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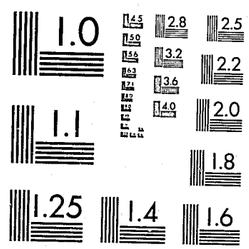

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United States Department of Justice
Washington, D. C. 20531

3-29-84

CRIME AND ARREST RATE PREDICTIONS FOR THE STATES OF ALASKA AND OREGON: BOX-JENKINS MONTHLY FORECASTS

92959

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Crime And Arrest Rate Prediction
Johnson, K et al.

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CRIME AND ARREST RATE PREDICTIONS FOR THE STATES OF ALASKA AND OREGON: BOX-JENKINS MONTHLY FORECASTS

Prepared by
The Research Team

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John Angell
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b. Anchorage (#2)	17
c. Fairbanks (#4)	19
d. Juneau (#6)	21
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1. Violent Crime	
a. Statewide Total	26
b. Region 1	28
c. Region 2	30
d. Region 3	32
e. Region 4	34
f. Region 5	
g. Region 6	36
h. Region 7	38
2. Non Violent Crime	
a. Statewide Total	40
b. Region 1	42
c. Region 2	44
d. Region 3	46
e. Region 4	48
f. Region 5	50
g. Region 6	52
h. Region 7	54

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ACQUISITIONS

* Terms Non Violent and Property used interchangeably

Funding for this research was provided by Grant No. 82-BJ-CX-K420 to the Justice Center, University of Alaska, Anchorage from the Bureau of Justice Statistics. Points of view or opinions stated in this document are those of the authors and do not necessarily represent the official position of policies of the Bureau of Justice Statistics.

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ii. under 18	60
iii. non-white	62
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i. over 18	64
ii. under 18	66
iii. non-white	68
c. Fairbanks (#4)	
i. over 18	70
ii. under 18	72
iii. non-white	74
d. Juneau (#6)	
i. over 18	76
ii. under 18	78
iii. non-white	80
e. Rest of State (#17)	
i. over 18	-
ii. under 18	82
iii. non-white	84
2. Non Violent Crime	
a. Statewide	
i. over 18	86
ii. under 18	88
iii. non-white	90
b. Anchorage (#2)	
i. over 18	92
ii. under 18	94
iii. non-white	96
c. Fairbanks (#4)	
i. over 18	98
ii. under 18	100
iii. non-white	102
d. Juneau (#6)	
i. over 18	104
ii. under 18	106
iii. non-white	108

(2. Non Violent Crime continued)

	Page
e. Rest of State (#17)	
i. over 18	110
ii. under 18	112
iii. non-white	114
B. OREGON	116
1. Violent Crime	
a. Statewide Total	
i. over 18	118
ii. under 18	-
iii. non-white	120
b. Region 1	
i. over 18	122
ii. under 18	124
iii. non-white	126
c. Region 2	
i. over 18	128
ii. under 18	130
iii. non-white	132
d. Region 3	
i. over 18	134
ii. under 18	136
iii. non-white	138
e. Region 4	
i. over 18	140
ii. under 18	142
iii. non-white	144
f. Region 5	
i. over 18	146
ii. under 18	148
iii. non-white	150
g. Region 6	
i. over 18	152
ii. under 18	154
iii. non-white	156
h. Region 7	
i. over 18	158
ii. under 18	160
iii. non-white	162

	Page
2. Non Violent Crime	
a. Statewide Total	
i. over 18	164
ii. under 18	-
iii. non-white	166
b. Region 1	
i. over 18	168
ii. under 18	170
iii. non-white	172
c. Region 2	
i. over 18	174
ii. under 18	176
iii. non-white	178
d. Region 3	
i. over 18	180
ii. under 18	182
iii. non-white	184
e. Region 4	
i. over 18	186
ii. under 18	188
iii. non-white	190
f. Region 5	
i. over 18	192
ii. under 18	194
iii. non-white	196
g. Region 6	
i. over 18	198
ii. under 18	200
iii. non-white	202
h. Region 7	
i. over 18	204
ii. under 18	206
iii. non-white	208

INTRODUCTION

In 1970, George E.P. Box and Gwilym M. Jenkins collaborated on the seminal work outlining the mathematics and methods of ARIMA time series analysis. Although these methods were in existence (in one form or another) for at least fifty years, Box and Jenkins must be credited with synthesizing a diverse range of methods into a comprehensive system of time series models. The acronym ARIMA stands for AutoRegressive Integrated Moving Average and an ARIMA time series model in the general case consists of a "best combination" of autoregressive, three types integrated, and moving average components. The methods by which one selects the "best combination" of these components for any given time series are described in detail by McCleary and Hay (1980: Ch. 2). In each specific case, however, modeling methods may differ substantially. So that our work may be replicated, we describe the exact method used in this research. In addition, each model and its monthly forecasts are presented in this volume for a five year period from 1983 to 1987.

Since ARIMA time series analysis requires a series of possibly subjective judgments, each analysis was independently replicated at least one time. In over 80 percent of the cases, the independent replications arrived at exactly the same ARIMA model. In 20 percent of the cases, independent replications arrived at different ARIMA models and, in these cases, disagreements were resolved by logical and statistical criteria.

ARIMA time series analysis consists generally of three itera-

tive analytic procedures: identification, estimation, and diagnosis. In addition to these three procedures, McCleary and Hay (1980: Ch. 2.11) recommend a series statistical procedure called "metadiagnosis." This analytic scheme was applied to all monthly time series.

In the identification procedure, autocorrelation functions were estimated for each of the time series. For a broad class of time series, the autocorrelation function is a statistic that describes the underlying characteristics of the series; and, in particular, whether the series follows an autoregressive, integrated, or moving average process model. To make each analysis roughly comparable, a 30-lag autocorrelation function was used for every analysis. From the autocorrelation function, the analyst determines the specific form of the forecasting model. In the general case, we can write an ARIMA model as

$$C(t) = f:C(t-1), C(t-2), \ldots, C(t-k)$$

where C(t) is the current time series observation (crime rate) and where C(t),...,C(t-k) are the k preceding observations. The analytic problem is determining how many and which of the k preceding observations are to be included in the model. The identification procedure consists simply of "reading" the autocorrelation function of a time series to make this determination.

After a tentative ARIMA model has been identified, model parameters must be estimated. All estimation was executed with an appropriate nonlinear software package (Pack, 1977). Statistical significance is a crucial issue of the estimation procedures; all parameter estimates must be statistically signif-

icant. To avoid ambiguity here, we adopted a nominal 95 percent significance criterion for all estimates. A parameter estimate was not considered statistically significant, in other words, unless its size was greater than what would be expected 95 percent of the time by chance alone.

After the parameters of a tentative ARIMA model have been estimated, the model must be evaluated to assure that all statistical assumptions have been satisfied. This procedure, diagnosis, consists of performing a series of statistical tests on the model residuals. In all analyses we required that the residual autocorrelation function (autocorrelation function estimated from the model residuals) have no statistically significant values at the first two lags and at seasonal lags; and that the entire residual autocorrelation function be not statistically significant by a chi-square criterion test of all 30 lags.

If a tentative model satisfies all diagnostic criteria, it is accepted as the final forecasting model for a time series; otherwise, the iterative analytic procedure returns to the identification procedures, a new tentative model is selected, parameters estimated, residuals diagnosed, and so forth. Even after an ARIMA model passes diagnosis, however, metadiagnosis procedures must be performed. In our cases, metadiagnosis consisted of checking each series for a "best" Box-Cox transformation and adding extra parameters to the tentative model. Metadiagnosis in this sense tries to overanalyze the series; and, to the extent that overanalysis does not improve the forecasting power of an ARIMA model, it ensures that the final model is the

best possible.

The final ARIMA forecasting models for the Alaska and Oregon crime time series consisted of three conceptually distinct components: seasonality, trend, and error or noise. Two of these three components, trend and seasonality, form the basis of the ARIMA forecast; that is, patterns of trend and seasonality can be extrapolated into the future. The third component, error, is essentially random and nonforecastable. Without error or noise, of course, each ARIMA forecast would be precise and correct; and since every time series has some amount of noise in its process, each ARIMA forecast will be imprecise and incorrect to some extent. The degree of impreciseness, however, is a function of the relative proportion of trend and seasonality in the series. Series that have heavy trend and/or seasonal components will be more forecastable than series with light trend and/or seasonal components.

As a measure of relative imprecision, our forecasts include detailed 95 percent confidence intervals around each monthly forecast. At the risk of oversimplification, these confidence intervals may be interpreted as the upper and lower bounds of error. That is, only five percent of the monthly forecasts are expected to lie outside these intervals. In the following sections we present models and monthly forecasts for 96 Alaska and Oregon crime and arrest time series.

SECTION I: MODELS AND FORECASTS OF REPORTED CRIME

A. ALASKA

1. Violent Crime

   a. Statewide Total
   b. Anchorage (#2)
   c. Fairbanks (#4)
   d. Juneau (#6)
   e. Rest of State (#17)

2. Non Violent Crime

   a. Statewide Total
   b. Anchorage (#2)
   c. Fairbanks (#4)
   d. Juneau (#6)
   e. Rest of State (#17)

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - 2 = ALASKA STATEWIDE, VIOLENT CRIMES,TOTAL 84 OBSERVATIONS

DIFFERENCING ON 2 - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	8	-.29360+00
2	MOVING AVERAGE 1	1	.23286+00
3	MOVING AVERAGE 1	12	.98103+00
4	TREND CONSTANT		.28025+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6795117+03	.1012376+04	.1145244+04	
2	.6911193+03	.8585783+03	.1026037+04	
3	.7524858+03	.9485256+03	.1144565+04	
4	.6899870+03	.9109410+03	.1131895+04	
5	.7582921+03	.1001623+04	.1244953+04	
6	.7100695+03	.9738655+03	.1237701+04	
7	.7604812+03	.1043303+04	.1326424+04	
8	.7865683+03	.1087196+04	.1367824+04	
9	.7069749+03	.1014115+04	.1321256+04	
10	.7348706+03	.1050338+04	.1365805+04	
11	.7014607+03	.1025060+04	.1348640+04	
12	.7851109+03	.1116604+04	.1448098+04	
13	.7578760+03	.1097643+04	.1437409+04	
14	.6228086+03	.9653590+03	.1307909+04	
15	.6797909+03	.1025103+04	.1370414+04	
16	.6446496+03	.9927007+03	.1340752+04	
17	.7206209+03	.1072996+04	.1425372+04	
18	.6914569+03	.1047703+04	.1403948+04	
19	.7549382+03	.1115012+04	.1475087+04	
20	.7868226+03	.1150685+04	.1514548+04	
21	.7021360+03	.1069643+04	.1437150+04	
22	.7298633+03	.1102352+04	.1474840+04	
23	.7113406+03	.1088744+04	.1466148+04	
24	.7993133+03	.1181569+04	.1563825+04	
25	.7815432+03	.1168459+04	.1555375+04	
26	.6502053+03	.1038261+04	.1426316+04	
27	.7122342+03	.1101426+04	.1490617+04	
28	.6839156+03	.1074240+04	.1464564+04	
29	.7682054+03	.1159675+04	.1551145+04	
30	.7457977+03	.1138216+04	.1530634+04	
31	.8115375+03	.1204902+04	.1598266+04	
32	.8486931+03	.1243001+04	.1637309+04	
33	.7677766+03	.1163043+04	.1558310+04	
34	.8010059+03	.1197942+04	.1594878+04	
35	.7875343+03	.1186133+04	.1584731+04	
36	.8799747+03	.1280228+04	.1680482+04	
37	.8662798+03	.1268412+04	.1670544+04	
38	.7376645+03	.1139890+04	.1542116+04	
39	.8037217+03	.1206041+04	.1608359+04	
40	.7785325+03	.1180945+04	.1583357+04	
41	.8663606+03	.1268863+04	.1671368+04	
42	.8470159+03	.1249565+04	.1652113+04	
43	.9159317+03	.1318525+04	.1721118+04	
44	.9564157+03	.1359054+04	.1761691+04	
45	.8788460+03	.1281518+04	.1684191+04	
46	.9158071+03	.1318727+04	.1721647+04	
47	.9056761+03	.1308894+04	.1712011+04	
48	.1001713+04	.1405129+04	.1808544+04	
49	.9916258+03	.1395385+04	.1799144+04	
50	.8650465+03	.1269034+04	.1673017+04	
51	.9331080+03	.1337317+04	.1741528+04	
52	.9098738+03	.1314310+04	.1718747+04	
53	.9996663+03	.1404321+04	.1808976+04	
54	.9821784+03	.1387145+04	.1792113+04	
55	.1053064+04	.1458343+04	.1863622+04	
56	.1095441+04	.1501031+04	.1906622+04	
57	.1019758+04	.1425690+04	.1831622+04	
58	.1059058+04	.1465065+04	.1871071+04	
59	.1051276+04	.1457357+04	.1863438+04	
60	.1149675+04	.1555831+04	.1961986+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: TOTAL VIOLENT CRIME 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.65963+00
2	MOVING AVERAGE 2	4	.21192+00
3	TREND CONSTANT		.44159+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

```
TIME SERIES FORECASTING FOR MODEL  1
*****************************************************************************************************
DATA -   Z = ALASKA #2:  TOTAL VIOLENT CRIME                                              84 OBSERVATIONS
DIFFERENCING ON   Z - 1) 1 OF ORDER  1
TRANSFORMATIONS EXAMINED - NONE
*****************************************************************************************************
UNIVARIATE MODEL PARAMETERS
*****************************************************************************************************
PARAMETER          PARAMETER          PARAMETER        BEGINNING
 NUMBER              TYPE               ORDER            VALUE
*****************************************************************************************************
     1          MOVING AVERAGE 1          1            .65963+00
     2          MOVING AVERAGE 2          4            .21192+00
     3          TREND CONSTANT                         .44159+00
*****************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =        1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =    60
FORECAST TIME ORIGINS ARE T=                 84
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
```

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6651236+02	.9241831+02	.1183243+03	
2	.6701012+02	.9437556+02	.1217410+03	
3	.6261969+02	.9137062+02	.1201215+03	
4	.5797770+02	.8805036+02	.1181230+03	
5	.6066329+02	.9091948+02	.1211757+03	
6	.6031716+02	.9136107+02	.1224050+03	
7	.5999053+02	.9180266+02	.1236148+03	
8	.5968202+02	.9224425+02	.1248065+03	
9	.5939091+02	.9268584+02	.1259813+03	
10	.5911460+02	.9312743+02	.1271403+03	
11	.5885361+02	.9356902+02	.1282844+03	
12	.5860656+02	.9401061+02	.1294147+03	
13	.5837265+02	.9445221+02	.1305318+03	
14	.5815116+02	.9489380+02	.1316364+03	
15	.5794142+02	.9533539+02	.1327294+03	
16	.5774284+02	.9577698+02	.1338111+03	
17	.5755485+02	.9621857+02	.1348823+03	
18	.5737696+02	.9666016+02	.1359434+03	
19	.5720868+02	.9710175+02	.1369948+03	
20	.5704958+02	.9754334+02	.1380371+03	
21	.5689927+02	.9798494+02	.1390706+03	
22	.5675737+02	.9842653+02	.1400957+03	
23	.5662352+02	.9886812+02	.1411127+03	
24	.5649741+02	.9930971+02	.1421220+03	
25	.5637872+02	.9975130+02	.1431239+03	
26	.5626719+02	.1001929+03	.1441186+03	
27	.5616253+02	.1006345+03	.1451064+03	
28	.5606450+02	.1010761+03	.1460877+03	
29	.5597286+02	.1015177+03	.1470625+03	
30	.5588740+02	.1019593+03	.1480311+03	
31	.5580789+02	.1024008+03	.1489938+03	
32	.5573415+02	.1028424+03	.1499507+03	
33	.5566599+02	.1032840+03	.1509021+03	
34	.5560322+02	.1037256+03	.1518480+03	
35	.5554569+02	.1041672+03	.1527887+03	
36	.5549323+02	.1046088+03	.1537244+03	
37	.5544569+02	.1050504+03	.1546551+03	
38	.5540293+02	.1054920+03	.1555810+03	
39	.5536480+02	.1059336+03	.1565024+03	
40	.5533119+02	.1063752+03	.1574192+03	
41	.5530195+02	.1068168+03	.1583316+03	
42	.5527699+02	.1072584+03	.1592397+03	
43	.5525617+02	.1076999+03	.1601437+03	
44	.5523939+02	.1081415+03	.1610437+03	
45	.5522655+02	.1085831+03	.1619397+03	
46	.5521755+02	.1090247+03	.1628319+03	
47	.5521229+02	.1094663+03	.1637203+03	
48	.5521068+02	.1099079+03	.1646051+03	
49	.5521264+02	.1103495+03	.1654863+03	
50	.5521807+02	.1107911+03	.1663641+03	
51	.5522690+02	.1112327+03	.1672385+03	
52	.5523904+02	.1116743+03	.1681095+03	
53	.5525443+02	.1121159+03	.1689773+03	
54	.5527299+02	.1125574+03	.1698419+03	
55	.5529465+02	.1129990+03	.1707034+03	
56	.5531935+02	.1134406+03	.1715619+03	
57	.5534702+02	.1138822+03	.1724174+03	
58	.5537759+02	.1143238+03	.1732700+03	
59	.5541101+02	.1147654+03	.1741198+03	
60	.5544721+02	.1152070+03	.1749668+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: TOTAL VIOLENT CRIME 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11631+02
2	AUTOREGRESSIVE 1	1	.12029+00
3	AUTOREGRESSIVE 2	5	.31971+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 81 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5007155+00	.1005459+02	.1960847+02	
2	.3116852+01	.1273960+02	.2236235+02	
3	.2248972+01	.1187272+02	.2149646+02	
4	.2899467+01	.1252322+02	.2214698+02	
5	-.2962707+00	.9327487+01	.1895125+02	
6	.1166424+01	.1126334+02	.2136027+02	
7	.2018176+01	.1212178+02	.2222539+02	
8	.1740932+01	.1184463+02	.2194833+02	
9	.1948903+01	.1205261+02	.2215631+02	
10	.9272029+00	.1103091+02	.2113461+02	
11	.1499022+01	.1164981+02	.2180060+02	
12	.1772790+01	.1192426+02	.2207673+02	
13	.1684175+01	.1183566+02	.2198714+02	
14	.1750665+01	.1190215+02	.2205363+02	
15	.1424020+01	.1157550+02	.2172698+02	
16	.1617089+01	.1177337+02	.2192965+02	
17	.1704762+01	.1186111+02	.2201746+02	
18	.1676433+01	.1183279+02	.2198914+02	
19	.1697691+01	.1185404+02	.2201039+02	
20	.1593260+01	.1174961+02	.2190596+02	
21	.1656030+01	.1181287+02	.2196971+02	
22	.1684075+01	.1184092+02	.2199777+02	
23	.1675018+01	.1183187+02	.2198872+02	
24	.1681814+01	.1183866+02	.2199551+02	
25	.1648427+01	.1180528+02	.2196213+02	
26	.1668602+01	.1182550+02	.2198240+02	
27	.1677569+01	.1183447+02	.2199137+02	
28	.1674674+01	.1183157+02	.2198847+02	
29	.1676847+01	.1183375+02	.2199065+02	
30	.1666172+01	.1182307+02	.2197997+02	
31	.1672633+01	.1182954+02	.2198644+02	
32	.1675501+01	.1183241+02	.2198931+02	
33	.1674575+01	.1183148+02	.2198839+02	
34	.1675269+01	.1183218+02	.2198908+02	
35	.1671857+01	.1182876+02	.2198567+02	
36	.1673924+01	.1183083+02	.2198774+02	
37	.1674840+01	.1183175+02	.2198865+02	
38	.1674544+01	.1183145+02	.2198836+02	
39	.1674766+01	.1183167+02	.2198858+02	
40	.1673675+01	.1183058+02	.2198749+02	
41	.1674336+01	.1183124+02	.2198815+02	
42	.1674629+01	.1183154+02	.2198844+02	
43	.1674535+01	.1183144+02	.2198835+02	
44	.1674606+01	.1183151+02	.2198842+02	
45	.1674257+01	.1183116+02	.2198807+02	
46	.1674463+01	.1183137+02	.2198828+02	
47	.1674562+01	.1183147+02	.2198837+02	
48	.1674532+01	.1183144+02	.2198834+02	
49	.1674554+01	.1183146+02	.2198837+02	
50	.1674443+01	.1183135+02	.2198826+02	
51	.1674510+01	.1183142+02	.2198832+02	
52	.1674540+01	.1183145+02	.2198835+02	
53	.1674531+01	.1183144+02	.2198834+02	
54	.1674538+01	.1183144+02	.2198835+02	
55	.1674502+01	.1183141+02	.2198831+02	
56	.1674524+01	.1183143+02	.2198834+02	
57	.1674533+01	.1183144+02	.2198835+02	
58	.1674530+01	.1183144+02	.2198834+02	
59	.1674533+01	.1183144+02	.2198834+02	
60	.1674521+01	.1183143+02	.2198833+02	
61	.1674528+01	.1183143+02	.2198834+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: VIOLENT CRIME, TOTAL 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.81392+02
2	MOVING AVERAGE 1	6	.17744+00
3	MOVING AVERAGE 1	12	-.82782-01
4	MOVING AVERAGE 1	18	.20204+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4265647+02	.7699267+02	.1113289+03	
2	.3779951+02	.7213571+02	.1064719+03	
3	.4009593+02	.7443213+02	.1087683+03	
4	.4110647+02	.7544267+02	.1097789+03	
5	.4825701+02	.8259321+02	.1169294+03	
6	.4015914+02	.7449535+02	.1088315+03	
7	.4762663+02	.8249917+02	.1173717+03	
8	.4545963+02	.8033218+02	.1152047+03	
9	.4598232+02	.8085487+02	.1157274+03	
10	.4906010+02	.8393264+02	.1188052+03	
11	.4562387+02	.8049641+02	.1153690+03	
12	.5490208+02	.8977462+02	.1246472+03	
13	.3853321+02	.7352180+02	.1085096+03	
14	.4186235+02	.7685054+02	.1118387+03	
15	.4306878+02	.7805297+02	.1130412+03	
16	.4625870+02	.8124690+02	.1162351+03	
17	.4960777+02	.8459596+02	.1195842+03	
18	.3661777+02	.7160597+02	.1065942+03	
19	.4572242+02	.8139172+02	.1170610+03	
20	.4572242+02	.8139172+02	.1170610+03	
21	.4572242+02	.8139172+02	.1170610+03	
22	.4572242+02	.8139172+02	.1170610+03	
23	.4572242+02	.8139172+02	.1170610+03	
24	.4572242+02	.8139172+02	.1170610+03	
25	.4572242+02	.8139172+02	.1170610+03	
26	.4572242+02	.8139172+02	.1170610+03	
27	.4572242+02	.8139172+02	.1170610+03	
28	.4572242+02	.8139172+02	.1170610+03	
29	.4572242+02	.8139172+02	.1170610+03	
30	.4572242+02	.8139172+02	.1170610+03	
31	.4572242+02	.8139172+02	.1170610+03	
32	.4572242+02	.8139172+02	.1170610+03	
33	.4572242+02	.8139172+02	.1170610+03	
34	.4572242+02	.8139172+02	.1170610+03	
35	.4572242+02	.8139172+02	.1170610+03	
36	.4572242+02	.8139172+02	.1170610+03	
37	.4572242+02	.8139172+02	.1170610+03	
38	.4572242+02	.8139172+02	.1170610+03	
39	.4572242+02	.8139172+02	.1170610+03	
40	.4572242+02	.8139172+02	.1170610+03	
41	.4572242+02	.8139172+02	.1170610+03	
42	.4572242+02	.8139172+02	.1170610+03	
43	.4572242+02	.8139172+02	.1170610+03	
44	.4572242+02	.8139172+02	.1170610+03	
45	.4572242+02	.8139172+02	.1170610+03	
46	.4572242+02	.8139172+02	.1170610+03	
47	.4572242+02	.8139172+02	.1170610+03	
48	.4572242+02	.8139172+02	.1170610+03	
49	.4572242+02	.8139172+02	.1170610+03	
50	.4572242+02	.8139172+02	.1170610+03	
51	.4572242+02	.8139172+02	.1170610+03	
52	.4572242+02	.8139172+02	.1170610+03	
53	.4572242+02	.8139172+02	.1170610+03	
54	.4572242+02	.8139172+02	.1170610+03	
55	.4572242+02	.8139172+02	.1170610+03	
56	.4572242+02	.8139172+02	.1170610+03	
57	.4572242+02	.8139172+02	.1170610+03	
58	.4572242+02	.8139172+02	.1170610+03	
59	.4572242+02	.8139172+02	.1170610+03	
60	.4572242+02	.8139172+02	.1170610+03	
61	.4572242+02	.8139172+02	.1170610+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA STATEWIDE: NONVIOLENT CRIMES, TOTAL 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.18392+04
2	AUTOREGRESSIVE 1	1	.51366+00
3	AUTOREGRESSIVE 1	3	-.29191+00
4	AUTOREGRESSIVE 1	6	-.37177+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1248497+04	.1536442+04	.1824387+04	
2	.1251902+04	.1575613+04	.1899324+04	
3	.1412872+04	.1745379+04	.2077886+04	
4	.1573691+04	.1909233+04	.2244775+04	
5	.1703879+04	.2045909+04	.2387939+04	
6	.1757113+04	.2103736+04	.2450358+04	
7	.1699498+04	.2067228+04	.2434957+04	
8	.1613269+04	.1994015+04	.2374752+04	
9	.1490567+04	.1876414+04	.2262261+04	
10	.1379358+04	.1765748+04	.2152137+04	
11	.1287812+04	.1679461+04	.2071111+04	
12	.1249753+04	.1647970+04	.2046187+04	
13	.1272140+04	.1677671+04	.2083202+04	
14	.1335759+04	.1745333+04	.2154907+04	
15	.1422203+04	.1833082+04	.2243802+04	
16	.1499479+04	.1910507+04	.2321535+04	
17	.1548674+04	.1962646+04	.2376419+04	
18	.1557377+04	.1975545+04	.2393713+04	
19	.1526660+04	.1948504+04	.2370348+04	
20	.1470862+04	.1894239+04	.2317616+04	
21	.1406442+04	.1830007+04	.2253572+04	
22	.1352268+04	.1776093+04	.2199917+04	
23	.1319521+04	.1744856+04	.2170190+04	
24	.1315102+04	.1742765+04	.2170428+04	
25	.1338024+04	.1767482+04	.2196939+04	
26	.1379394+04	.1809471+04	.2239548+04	
27	.1425437+04	.1855529+04	.2285620+04	
28	.1461658+04	.1892016+04	.2322374+04	
29	.1478857+04	.1910114+04	.2341371+04	
30	.1474308+04	.1906743+04	.2339176+04	
31	.1451923+04	.1885174+04	.2318420+04	
32	.1419720+04	.1853198+04	.2286675+04	
33	.1387157+04	.1820635+04	.2254113+04	
34	.1362944+04	.1796641+04	.2230337+04	
35	.1352690+04	.1786921+04	.2221152+04	
36	.1357863+04	.1792686+04	.2227510+04	
37	.1375496+04	.1810672+04	.2245848+04	
38	.1399386+04	.1834635+04	.2269883+04	
39	.1422109+04	.1857366+04	.2292624+04	
40	.1437299+04	.1872713+04	.2308127+04	
41	.1441495+04	.1877215+04	.2312935+04	
42	.1434734+04	.1870748+04	.2306762+04	
43	.1420099+04	.1856260+04	.2292421+04	
44	.1402416+04	.1838595+04	.2274774+04	
45	.1386764+04	.1822958+04	.2259153+04	
46	.1377151+04	.1813450+04	.2249748+04	
47	.1375581+04	.1812094+04	.2248515+04	
48	.1381689+04	.1818297+04	.2254906+04	
49	.1393002+04	.1829669+04	.2266336+04	
50	.1405817+04	.1842487+04	.2279156+04	
51	.1416374+04	.1853060+04	.2289746+04	
52	.1421955+04	.1858706+04	.2295458+04	
53	.1421545+04	.1858386+04	.2295228+04	
54	.1415905+04	.1852812+04	.2289719+04	
55	.1407144+04	.1844073+04	.2281002+04	
56	.1397983+04	.1834912+04	.2271841+04	
57	.1390960+04	.1827903+04	.2264846+04	
58	.1387772+04	.1824754+04	.2261737+04	
59	.1388901+04	.1825930+04	.2262959+04	
60	.1393594+04	.1830653+04	.2267711+04	
61	.1400181+04	.1837246+04	.2274312+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: TOTAL NONVIOLENT CRIME 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.48758+00
2	MOVING AVERAGE 2	4	.24698+00
3	MOVING AVERAGE 2	5	.25379+00
4	TREND CONSTANT		.43589+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS.

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8367038+03	.1005519+04	.1174335+04	
2	.8463683+03	.1036056+04	.1225744+04	
3	.8492890+03	.1057770+04	.1266251+04	
4	.8474758+03	.1073191+04	.1298906+04	
5	.8381582+03	.1068278+04	.1298398+04	
6	.8389026+03	.1070100+04	.1301298+04	
7	.8392628+03	.1074459+04	.1309656+04	
8	.8396897+03	.1078818+04	.1317946+04	
9	.8401803+03	.1083177+04	.1326173+04	
10	.8407316+03	.1087536+04	.1334340+04	
11	.8413406+03	.1091895+04	.1342449+04	
12	.8420050+03	.1096254+04	.1350502+04	
13	.8427223+03	.1100612+04	.1358503+04	
14	.8434903+03	.1104971+04	.1366452+04	
15	.8443070+03	.1109330+04	.1374354+04	
16	.8451703+03	.1113689+04	.1382208+04	
17	.8460786+03	.1118048+04	.1390017+04	
18	.8470302+03	.1122407+04	.1397784+04	
19	.8480234+03	.1126766+04	.1405508+04	
20	.8490567+03	.1131125+04	.1413193+04	
21	.8501288+03	.1135484+04	.1420838+04	
22	.8512383+03	.1139842+04	.1428447+04	
23	.8523840+03	.1144201+04	.1436019+04	
24	.8535647+03	.1148560+04	.1443556+04	
25	.8547793+03	.1152919+04	.1451059+04	
26	.8560267+03	.1157278+04	.1458529+04	
27	.8573059+03	.1161637+04	.1465968+04	
28	.8586160+03	.1165996+04	.1473376+04	
29	.8599560+03	.1170355+04	.1480753+04	
30	.8613251+03	.1174714+04	.1488102+04	
31	.8627224+03	.1179072+04	.1495422+04	
32	.8641472+03	.1183431+04	.1502715+04	
33	.8655988+03	.1187790+04	.1509982+04	
34	.8670763+03	.1192149+04	.1517222+04	
35	.8685791+03	.1196508+04	.1524437+04	
36	.8701066+03	.1200867+04	.1531627+04	
37	.8716582+03	.1205226+04	.1538793+04	
38	.8732332+03	.1209585+04	.1545936+04	
39	.8748310+03	.1213944+04	.1553056+04	
40	.8764511+03	.1218302+04	.1560154+04	
41	.8780930+03	.1222661+04	.1567230+04	
42	.8797561+03	.1227020+04	.1574284+04	
43	.8814400+03	.1231379+04	.1581318+04	
44	.8831443+03	.1235736+04	.1588332+04	
45	.8848683+03	.1240097+04	.1595325+04	
46	.8866117+03	.1244456+04	.1602300+04	
47	.8883742+03	.1248815+04	.1609255+04	
48	.8901552+03	.1253173+04	.1616192+04	
49	.8919543+03	.1257532+04	.1623110+04	
50	.8937713+03	.1261891+04	.1630011+04	
51	.8956057+03	.1266250+04	.1636895+04	
52	.8974572+03	.1270609+04	.1643761+04	
53	.8993254+03	.1274968+04	.1650610+04	
54	.9012100+03	.1279327+04	.1657444+04	
55	.9031107+03	.1283686+04	.1664261+04	
56	.9050272+03	.1288045+04	.1671062+04	
57	.9069592+03	.1292403+04	.1677848+04	
58	.9089063+03	.1296762+04	.1684618+04	
59	.9108684+03	.1301121+04	.1691374+04	
60	.9128451+03	.1305480+04	.1698115+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #47 TOTAL NONVIOLENT CRIME 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.18762+03
2	AUTOREGRESSIVE 1	1	.66479+00
3	MOVING AVERAGE 1	6	.19332+00
4	MOVING AVERAGE 2	12	-.24754+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6797311+02	.1284021+03	.1888312+03	
2	.6837012+02	.1409340+03	.2134978+03	
3	.8371204+02	.1610344+03	.2383567+03	
4	.9768367+02	.1770181+03	.2563526+03	
5	.1005408+03	.1807485+03	.2609561+03	
6	.1247248+03	.2053153+03	.2859058+03	
7	.1113463+03	.1921956+03	.2730452+03	
8	.1106525+03	.1916162+03	.2725798+03	
9	.9992472+02	.1809388+03	.2619529+03	
10	.1027414+03	.1837777+03	.2648141+03	
11	.9940664+02	.1804528+03	.2614990+03	
12	.8012400+02	.1611745+03	.2422251+03	
13	.8857834+02	.1708982+03	.2532181+03	
14	.9371862+02	.1765933+03	.2594679+03	
15	.9899542+02	.1821141+03	.2652327+03	
16	.1003249+03	.1835511+03	.2667774+03	
17	.1027242+03	.1859979+03	.2692717+03	
18	.1072353+03	.1905301+03	.2738248+03	
19	.1062944+03	.1895555+03	.2728665+03	
20	.1055893+03	.1889075+03	.2722258+03	
21	.1051553+03	.1884768+03	.2717983+03	
22	.1048676+03	.1881905+03	.2715133+03	
23	.1046766+03	.1880001+03	.2713236+03	
24	.1045498+03	.1878736+03	.2711973+03	
25	.1044655+03	.1877894+03	.2711133+03	
26	.1044096+03	.1877335+03	.2710574+03	
27	.1043723+03	.1876963+03	.2710203+03	
28	.1043476+03	.1876716+03	.2709956+03	
29	.1043312+03	.1876552+03	.2709792+03	
30	.1043203+03	.1876442+03	.2709682+03	
31	.1043130+03	.1876370+03	.2709610+03	
32	.1043082+03	.1876322+03	.2709562+03	
33	.1043050+03	.1876290+03	.2709529+03	
34	.1043028+03	.1876268+03	.2709506+03	
35	.1043014+03	.1876254+03	.2709494+03	
36	.1043005+03	.1876245+03	.2709484+03	
37	.1042998+03	.1876238+03	.2709478+03	
38	.1042994+03	.1876234+03	.2709474+03	
39	.1042991+03	.1876231+03	.2709471+03	
40	.1042990+03	.1876229+03	.2709469+03	
41	.1042988+03	.1876228+03	.2709468+03	
42	.1042988+03	.1876227+03	.2709467+03	
43	.1042987+03	.1876227+03	.2709467+03	
44	.1042987+03	.1876227+03	.2709466+03	
45	.1042986+03	.1876226+03	.2709466+03	
46	.1042986+03	.1876226+03	.2709466+03	
47	.1042986+03	.1876226+03	.2709466+03	
48	.1042986+03	.1876226+03	.2709466+03	
49	.1042986+03	.1876226+03	.2709466+03	
50	.1042986+03	.1876226+03	.2709466+03	
51	.1042986+03	.1876226+03	.2709466+03	
52	.1042986+03	.1876226+03	.2709466+03	
53	.1042986+03	.1876226+03	.2709466+03	
54	.1042986+03	.1876226+03	.2709466+03	
55	.1042986+03	.1876226+03	.2709466+03	
56	.1042986+03	.1876226+03	.2709466+03	
57	.1042986+03	.1876226+03	.2709466+03	
58	.1042986+03	.1876226+03	.2709466+03	
59	.1042986+03	.1876226+03	.2709466+03	
60	.1042986+03	.1876226+03	.2709466+03	
61	.1042986+03	.1876226+03	.2709466+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: TOTAL NONVIOLENT 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.51286+02
2	AUTOREGRESSIVE 1	1	.28336+00
3	MOVING AVERAGE 1	5	.29544+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2422684+02	.4853258+02	.7283833+02	
2	.2712136+02	.5238405+02	.7764673+02	
3	.2461892+02	.4995687+02	.7529482+02	
4	.2568612+02	.5103010+02	.7637409+02	
5	.2870151+02	.5404598+02	.7939045+02	
6	.2573777+02	.5206786+02	.7839794+02	
7	.2509971+02	.5150734+02	.7791497+02	
8	.2493467+02	.5134851+02	.7776235+02	
9	.2488916+02	.5130351+02	.7771785+02	
10	.2487637+02	.5129075+02	.7770514+02	
11	.2487276+02	.5128714+02	.7770152+02	
12	.2487173+02	.5128612+02	.7770050+02	
13	.2487144+02	.5128583+02	.7770021+02	
14	.2487136+02	.5128574+02	.7770013+02	
15	.2487134+02	.5128572+02	.7770011+02	
16	.2487133+02	.5128571+02	.7770010+02	
17	.2487133+02	.5128571+02	.7770010+02	
18	.2487133+02	.5128571+02	.7770010+02	
19	.2487133+02	.5128571+02	.7770010+02	
20	.2487133+02	.5128571+02	.7770010+02	
21	.2487133+02	.5128571+02	.7770010+02	
22	.2487133+02	.5128571+02	.7770010+02	
23	.2487133+02	.5128571+02	.7770010+02	
24	.2487133+02	.5128571+02	.7770010+02	
25	.2487133+02	.5128571+02	.7770010+02	
26	.2487133+02	.5128571+02	.7770010+02	
27	.2487133+02	.5128571+02	.7770010+02	
28	.2487133+02	.5128571+02	.7770010+02	
29	.2487133+02	.5128571+02	.7770010+02	
30	.2487133+02	.5128571+02	.7770010+02	
31	.2487133+02	.5128571+02	.7770010+02	
32	.2487133+02	.5128571+02	.7770010+02	
33	.2487133+02	.5128571+02	.7770010+02	
34	.2487133+02	.5128571+02	.7770010+02	
35	.2487133+02	.5128571+02	.7770010+02	
36	.2487133+02	.5128571+02	.7770010+02	
37	.2487133+02	.5128571+02	.7770010+02	
38	.2487133+02	.5128571+02	.7770010+02	
39	.2487133+02	.5128571+02	.7770010+02	
40	.2487133+02	.5128571+02	.7770010+02	
41	.2487133+02	.5128571+02	.7770010+02	
42	.2487133+02	.5128571+02	.7770010+02	
43	.2487133+02	.5128571+02	.7770010+02	
44	.2487133+02	.5128571+02	.7770010+02	
45	.2487133+02	.5128571+02	.7770010+02	
46	.2487133+02	.5128571+02	.7770010+02	
47	.2487133+02	.5128571+02	.7770010+02	
48	.2487133+02	.5128571+02	.7770010+02	
49	.2487133+02	.5128571+02	.7770010+02	
50	.2487133+02	.5128571+02	.7770010+02	
51	.2487133+02	.5128571+02	.7770010+02	
52	.2487133+02	.5128571+02	.7770010+02	
53	.2487133+02	.5128571+02	.7770010+02	
54	.2487133+02	.5128571+02	.7770010+02	
55	.2487133+02	.5128571+02	.7770010+02	
56	.2487133+02	.5128571+02	.7770010+02	
57	.2487133+02	.5128571+02	.7770010+02	
58	.2487133+02	.5128571+02	.7770010+02	
59	.2487133+02	.5128571+02	.7770010+02	
60	.2487133+02	.5128571+02	.7770010+02	
61	.2487133+02	.5128571+02	.7770010+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: NONVIOLENT CRIME, TOTAL 83 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.39756+00
2	MOVING AVERAGE 1	18	.29889+00
3	TREND CONSTANT		-.82931+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2409107+03	.4890775+03	.7372443+03	
2	.1793574+03	.4690752+03	.7588010+03	
3	.1028644+03	.4288869+03	.7549095+03	
4	.1376037+03	.4962716+03	.6549395+03	
5	.1513061+03	.5398863+03	.9284666+03	
6	.1400163+03	.5563654+03	.9727146+03	
7	.1118120+03	.5541903+03	.9965686+03	
8	.7450709+02	.5414659+03	.1008425+04	
9	.4301983+02	.5333284+03	.1023637+04	
10	.1302672+02	.5256225+03	.1038218+04	
11	-.9779022+01	.5241746+03	.1058128+04	
12	-.3328236+02	.5212070+03	.1075696+04	
13	-.1413280+03	.4329632+03	.1007254+04	
14	-.2255641+03	.3678686+03	.9613013+03	
15	-.1891904+03	.4227853+03	.1034761+04	
16	-.1492231+03	.4807502+03	.1110723+04	
17	-.1198529+03	.5276176+03	.1175088+04	
18	-.1222699+03	.5422376+03	.1206745+04	
19	-.1273556+03	.5414083+03	.1210172+04	
20	-.1325143+03	.5405790+03	.1213572+04	
21	-.1374466+03	.5397497+03	.1216946+04	
22	-.1424530+03	.5369204+03	.1220294+04	
23	-.1474340+03	.5360911+03	.1223616+04	
24	-.1523900+03	.5372618+03	.1226914+04	
25	-.1573214+03	.5364325+03	.1230186+04	
26	-.1622287+03	.5356032+03	.1233435+04	
27	-.1671123+03	.5347739+03	.1236660+04	
28	-.1719726+03	.5339445+03	.1239862+04	
29	-.1768101+03	.5331152+03	.1243041+04	
30	-.1816250+03	.5322859+03	.1246197+04	
31	-.1864178+03	.5314566+03	.1249331+04	
32	-.1911889+03	.5306273+03	.1252443+04	
33	-.1959385+03	.5297980+03	.1255535+04	
34	-.2006671+03	.5289687+03	.1258604+04	
35	-.2053749+03	.5281394+03	.1261654+04	
36	-.2100624+03	.5273101+03	.1264683+04	
37	-.2147297+03	.5264808+03	.1267691+04	
38	-.2193773+03	.5256515+03	.1270680+04	
39	-.2240054+03	.5248222+03	.1273650+04	
40	-.2286144+03	.5239929+03	.1276600+04	
41	-.2332045+03	.5231636+03	.1279532+04	
42	-.2377759+03	.5223342+03	.1282444+04	
43	-.2423290+03	.5215049+03	.1285339+04	
44	-.2468641+03	.5206756+03	.1288215+04	
45	-.2513813+03	.5198463+03	.1291074+04	
46	-.2558810+03	.5190170+03	.1293915+04	
47	-.2603634+03	.5181877+03	.1296739+04	
48	-.2648288+03	.5173584+03	.1299546+04	
49	-.2692773+03	.5165291+03	.1302335+04	
50	-.2737092+03	.5156998+03	.1305109+04	
51	-.2781247+03	.5148705+03	.1307866+04	
52	-.2825241+03	.5140412+03	.1310606+04	
53	-.2869076+03	.5132119+03	.1313331+04	
54	-.2912754+03	.5123826+03	.1316040+04	
55	-.2956276+03	.5115532+03	.1318734+04	
56	-.2999645+03	.5107239+03	.1321412+04	
57	-.3042864+03	.5098946+03	.1324076+04	
58	-.3085933+03	.5090653+03	.1326724+04	
59	-.3128854+03	.5082360+03	.1329357+04	
60	-.3171631+03	.5074067+03	.1331976+04	
61	-.3214264+03	.5065774+03	.1334581+04	

B. OREGON

1. Violent Crime

   a. Statewide Total
   b. Region 1
   c. Region 2
   d. Region 3
   e. Region 4
   f. ~~Region 5~~
   g. Region 6
   h. Region 7

2. Non Violent Crime

   a. Statewide Total
   b. Region 1
   c. Region 2
   d. Region 3
   e. Region 4
   f. Region 5
   g. Region 6
   h. Region 7

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON STATEWIDE: VIOLENT CRIMES,TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	8	-.29360+00
2	MOVING AVERAGE 1	1	.23286+00
3	MOVING AVERAGE 1	12	.98103+00
4	TREND CONSTANT		.28025+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6795117+03	.1012378+04	.1145244+04	
2	.6911193+03	.8585783+03	.1026037+04	
3	.7524858+03	.9465256+03	.1144565+04	
4	.6899870+03	.9109410+03	.1131895+04	
5	.7582921+03	.1001623+04	.1244953+04	
6	.7100695+03	.9738855+03	.1237701+04	
7	.7604812+03	.1043303+04	.1326124+04	
8	.7865683+03	.1087196+04	.1387824+04	
9	.7069740+03	.1014115+04	.1321256+04	
10	.7348706+03	.1050338+04	.1365805+04	
11	.7014807+03	.1025060+04	.1348640+04	
12	.7851109+03	.1116604+04	.1448098+04	
13	.7578760+03	.1097643+04	.1437409+04	
14	.6228086+03	.9653590+03	.1307909+04	
15	.6797909+03	.1025103+04	.1370414+04	
16	.6446496+03	.9927007+03	.1340752+04	
17	.7206209+03	.1072996+04	.1425372+04	
18	.6914569+03	.1047703+04	.1403948+04	
19	.7549382+03	.1115012+04	.1475087+04	
20	.7868228+03	.1150685+04	.1514548+04	
21	.7021360+03	.1069643+04	.1437150+04	
22	.7298633+03	.1102352+04	.1474840+04	
23	.7113406+03	.1088744+04	.1466148+04	
24	.7993133+03	.1181569+04	.1563825+04	
25	.7815432+03	.1168459+04	.1555375+04	
26	.6502053+03	.1038261+04	.1426316+04	
27	.7122342+03	.1101426+04	.1490617+04	
28	.6839156+03	.1074240+04	.1464564+04	
29	.7682054+03	.1159675+04	.1551145+04	
30	.7457977+03	.1138216+04	.1530634+04	
31	.8115375+03	.1204902+04	.1598266+04	
32	.8486931+03	.1243001+04	.1637309+04	
33	.7677766+03	.1163043+04	.1558310+04	
34	.8010059+03	.1197942+04	.1594878+04	
35	.7875343+03	.1186133+04	.1584731+04	
36	.8799747+03	.1280228+04	.1680482+04	
37	.8662798+03	.1268412+04	.1670544+04	
38	.7376645+03	.1139890+04	.1542116+04	
39	.8037217+03	.1206041+04	.1608359+04	
40	.7785325+03	.1180945+04	.1583357+04	
41	.8663606+03	.1268865+04	.1671368+04	
42	.8470159+03	.1249565+04	.1652113+04	
43	.9159317+03	.1318525+04	.1721118+04	
44	.9564157+03	.1359054+04	.1761691+04	
45	.8788460+03	.1281518+04	.1684191+04	
46	.9158071+03	.1318727+04	.1721647+04	
47	.9056761+03	.1308844+04	.1712011+04	
48	.1001713+04	.1405129+04	.1808544+04	
49	.9916258+03	.1395385+04	.1799144+04	
50	.8650465+03	.1269032+04	.1673017+04	
51	.9331060+03	.1337317+04	.1741528+04	
52	.9098736+03	.1314310+04	.1718747+04	
53	.9996663+03	.1404321+04	.1808976+04	
54	.9821784+03	.1387145+04	.1792113+04	
55	.1053064+04	.1458343+04	.1863622+04	
56	.1095441+04	.1501031+04	.1906622+04	
57	.1019758+04	.1425690+04	.1831622+04	
58	.1059058+04	.1465065+04	.1871071+04	
59	.1051276+04	.1457357+04	.1863438+04	
60	.1149675+04	.1555831+04	.1961986+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: TOTAL VIOLENT CRIME 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	6	-.34198+00
2	MOVING AVERAGE 1	1	.85110+00
3	MOVING AVERAGE 1	8	.42797+00
4	TREND CONSTANT		.11959+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5522586+03	.6358875+03	.7195165+03	
2	.5096452+03	.5941961+03	.6787470+03	
3	.5044960+03	.5899589+03	.6754218+03	
4	.4928524+03	.5792176+03	.6655829+03	
5	.4777332+03	.5649915+03	.6522498+03	
6	.4760533+03	.5641956+03	.6523379+03	
7	.4797758+03	.5693850+03	.6589942+03	
8	.4935370+03	.5835201+03	.6735031+03	
9	.4909687+03	.5850887+03	.6792086+03	
10	.4907991+03	.5888816+03	.6869641+03	
11	.4919752+03	.5938663+03	.6957574+03	
12	.4886957+03	.5942580+03	.6998204+03	
13	.4855476+03	.5926030+03	.6996584+03	
14	.4776878+03	.5878886+03	.6980894+03	
15	.4763976+03	.5874717+03	.6985458+03	
16	.4743536+03	.5862942+03	.6982348+03	
17	.4719086+03	.5847091+03	.6975096+03	
18	.4710409+03	.5846947+03	.6983485+03	
19	.4704255+03	.5853803+03	.7003351+03	
20	.4712590+03	.5871121+03	.7029653+03	
21	.4700399+03	.5873743+03	.7047086+03	
22	.4690994+03	.5878965+03	.7066937+03	
23	.4683161+03	.5865582+03	.7088003+03	
24	.4670128+03	.5886827+03	.7103526+03	
25	.4656542+03	.5885678+03	.7114815+03	
26	.4638097+03	.5880952+03	.7123806+03	
27	.4626846+03	.5881251+03	.7135655+03	
28	.4614812+03	.5880661+03	.7146510+03	
29	.4602403+03	.5879594+03	.7156785+03	
30	.4591931+03	.5880364+03	.7168797+03	
31	.4581857+03	.5881952+03	.7182047+03	
32	.4573548+03	.5884765+03	.7195981+03	
33	.4562974+03	.5885858+03	.7208742+03	
34	.4552806+03	.5887256+03	.7221706+03	
35	.4542900+03	.5888817+03	.7234733+03	
36	.4532464+03	.5889749+03	.7247035+03	
37	.4522012+03	.5890402+03	.7258791+03	
38	.4511087+03	.5890636+03	.7270184+03	
39	.4501049+03	.5891458+03	.7281866+03	
40	.4490992+03	.5892175+03	.7293359+03	
41	.4480961+03	.5892837+03	.7304714+03	
42	.4471225+03	.5893714+03	.7316204+03	
43	.4461608+03	.5894687+03	.7327766+03	
44	.4452259+03	.5895803+03	.7339347+03	
45	.4442715+03	.5896718+03	.7350720+03	
46	.4433282+03	.5897668+03	.7362054+03	
47	.4423941+03	.5898637+03	.7373334+03	
48	.4414598+03	.5899533+03	.7384468+03	
49	.4405311+03	.5900396+03	.7395482+03	
50	.4396028+03	.5901211+03	.7406394+03	
51	.4386903+03	.5902094+03	.7417284+03	
52	.4377832+03	.5902965+03	.7428097+03	
53	.4368819+03	.5903829+03	.7438839+03	
54	.4359893+03	.5904718+03	.7449543+03	
55	.4351036+03	.5905619+03	.7460202+03	
56	.4342261+03	.5906536+03	.7470812+03	
57	.4333514+03	.5907430+03	.7481346+03	
58	.4324831+03	.5908328+03	.7491826+03	
59	.4316207+03	.5909228+03	.7502250+03	
60	.4307631+03	.5910120+03	.7512609+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: TOTAL VIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - I) I OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.52844+00
2	TREND CONSTANT		-.11638+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 50

FORECAST TIME OPIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5089603+02	.9124956+02	.1316031+03	
2	.4651795+02	.9113319+02	.1357484+03	
3	.4251289+02	.9101681+02	.1395207+03	
4	.3879725+02	.9090044+02	.1430036+03	
5	.3531467+02	.9078406+02	.1462535+03	
6	.3202500+02	.9066769+02	.1493404+03	
7	.2889845+02	.9055131+02	.1522042+03	
8	.2591217+02	.9043494+02	.1549577+03	
9	.2304822+02	.9031856+02	.1575889+03	
10	.2029218+02	.9020219+02	.1601122+03	
11	.1763223+02	.9008581+02	.1625394+03	
12	.1505861+02	.8996944+02	.1648803+03	
13	.1256307+02	.8985306+02	.1671431+03	
14	.1013860+02	.8973669+02	.1693348+03	
15	.7779208+01	.8962031+02	.1714614+03	
16	.5479670+01	.8950394+02	.1735282+03	
17	.3235435+01	.8938756+02	.1755397+03	
18	.1042506+01	.8927119+02	.1774999+03	
19	-.1102660+01	.8915481+02	.1794123+03	
20	-.3203217+01	.8903844+02	.1812801+03	
21	-.5261981+01	.8892206+02	.1831061+03	
22	-.7281487+01	.8880569+02	.1848929+03	
23	-.9264026+01	.8868931+02	.1866426+03	
24	-.1121167+02	.8857294+02	.1883575+03	
25	-.1312631+02	.8845656+02	.1900394+03	
26	-.1500966+02	.8834019+02	.1916900+03	
27	-.1686330+02	.8822381+02	.1933109+03	
28	-.1868869+02	.8810744+02	.1949036+03	
29	-.2048716+02	.8799106+02	.1964693+03	
30	-.2225994+02	.8787469+02	.1980093+03	
31	-.2400817+02	.8775831+02	.1995248+03	
32	-.2573292+02	.8764194+02	.2010168+03	
33	-.2743517+02	.8752556+02	.2024863+03	
34	-.2911583+02	.8740919+02	.2039342+03	
35	-.3077577+02	.8729281+02	.2053614+03	
36	-.3241580+02	.8717644+02	.2067687+03	
37	-.3403665+02	.8706006+02	.2081568+03	
38	-.3563904+02	.8694369+02	.2095264+03	
39	-.3722363+02	.8682731+02	.2108783+03	
40	-.3879104+02	.8671094+02	.2122129+03	
41	-.4034187+02	.8659456+02	.2135310+03	
42	-.4187667+02	.8647819+02	.2148330+03	
43	-.4339596+02	.8636181+02	.2161196+03	
44	-.4490025+02	.8624544+02	.2173911+03	
45	-.4639000+02	.8612906+02	.2186481+03	
46	-.4786567+02	.8601269+02	.2198910+03	
47	-.4932767+02	.8589631+02	.2211203+03	
48	-.5077641+02	.8577994+02	.2223363+03	
49	-.5221228+02	.8566356+02	.2235394+03	
50	-.5363564+02	.8554719+02	.2247300+03	
51	-.5504683+02	.8543081+02	.2259085+03	
52	-.5644621+02	.8531444+02	.2270751+03	
53	-.5783407+02	.8519806+02	.2282302+03	
54	-.5921074+02	.8508169+02	.2293741+03	
55	-.6057648+02	.8496531+02	.2305074+03	
56	-.6193159+02	.8484894+02	.2316295+03	
57	-.6327634+02	.8473256+02	.2327415+03	
58	-.6461098+02	.8461619+02	.2338434+03	
59	-.6593575+02	.8449981+02	.2349354+03	
60	-.6725089+02	.8438344+02	.2360178+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: VIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) I OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.58222+00
2	TREND CONSTANT		.73337+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.7152724+02	.1023817+03	.1332362+03	
2	.6967621+02	.1031151+03	.1365539+03	
3	.6801107+02	.1038484+03	.1396858+03	
4	.6649668+02	.1045818+03	.1426669+03	
5	.6510776+02	.1053152+03	.1455226+03	
6	.6382538+02	.1060485+03	.1482717+03	
7	.6263493+02	.1067819+03	.1509289+03	
8	.6152490+02	.1075153+03	.1535056+03	
9	.6048595+02	.1082486+03	.1560113+03	
10	.5951046+02	.1089820+03	.1584535+03	
11	.5859206+02	.1097154+03	.1608387+03	
12	.5772538+02	.1104487+03	.1631721+03	
13	.5690584+02	.1111821+03	.1654583+03	
14	.5612952+02	.1119155+03	.1677014+03	
15	.5539299+02	.1126488+03	.1699046+03	
16	.5469327+02	.1133822+03	.1720711+03	
17	.5402771+02	.1141155+03	.1742034+03	
18	.5339399+02	.1148489+03	.1763038+03	
19	.5279002+02	.1155823+03	.1783745+03	
20	.5221395+02	.1163156+03	.1804473+03	
21	.5166410+02	.1170490+03	.1824339+03	
22	.5113895+02	.1177824+03	.1844258+03	
23	.5063714+02	.1185157+03	.1863943+03	
24	.5015739+02	.1192491+03	.1883408+03	
25	.4969859+02	.1199825+03	.1902663+03	
26	.4925967+02	.1207158+03	.1921720+03	
27	.4883968+02	.1214492+03	.1940587+03	
28	.4843772+02	.1221826+03	.1959274+03	
29	.4805298+02	.1229159+03	.1977789+03	
30	.4768469+02	.1236493+03	.1996139+03	
31	.4733216+02	.1243827+03	.2014332+03	
32	.4699471+02	.1251160+03	.2032373+03	
33	.4667175+02	.1258494+03	.2050270+03	
34	.4636269+02	.1265826+03	.2068028+03	
35	.4606701+02	.1273161+03	.2085652+03	
36	.4578420+02	.1280495+03	.2103148+03	
37	.4551379+02	.1287828+03	.2120519+03	
38	.4525533+02	.1295162+03	.2137771+03	
39	.4500842+02	.1302496+03	.2154907+03	
40	.4477265+02	.1309829+03	.2171932+03	
41	.4454765+02	.1317163+03	.2188850+03	
42	.4433308+02	.1324497+03	.2205663+03	
43	.4412860+02	.1331830+03	.2222375+03	
44	.4393389+02	.1339164+03	.2238989+03	
45	.4374865+02	.1346498+03	.2255509+03	
46	.4357261+02	.1353831+03	.2271936+03	
47	.4340549+02	.1361165+03	.2288275+03	
48	.4324702+02	.1368499+03	.2304527+03	
49	.4309698+02	.1375832+03	.2320695+03	
50	.4295512+02	.1383166+03	.2336780+03	
51	.4282122+02	.1390499+03	.2352787+03	
52	.4269506+02	.1397833+03	.2368716+03	
53	.4257645+02	.1405167+03	.2384669+03	
54	.4246519+02	.1412500+03	.2400349+03	
55	.4236109+02	.1419834+03	.2416057+03	
56	.4226397+02	.1427168+03	.2431696+03	
57	.4217366+02	.1434501+03	.2447266+03	
58	.4208999+02	.1441835+03	.2462770+03	
59	.4201281+02	.1449169+03	.2478209+03	
60	.4194197+02	.1456502+03	.2493585+03	

TIME SERIES FORECASTING FOR MODEL I

****

DATA - Z = OREGON #4: VIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	13	.33936+00
2	MOVING AVERAGE 1	1	.46515+00
3	TREND CONSTANT		-.15872+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1184496+02	.3078190+02	.4971882+02	
2	.1152333+02	.3299867+02	.5447400+02	
3	.8417321+01	.3216123+02	.5590514+02	
4	.5509913+01	.3132380+02	.5713768+02	
5	.5471443+01	.3320121+02	.6093097+02	
6	.7593183+01	.3711475+02	.6663632+02	
7	.9943719+00	.3220505+02	.6341573+02	
8	.4323713+01	.3713666+02	.6994961+02	
9	-.7561626+00	.3358438+02	.6792493+02	
10	-.6449631+01	.2935339+02	.6515641+02	
11	-.6316612+01	.3089145+02	.6809950+02	
12	-.1122277+02	.2733916+02	.6590110+02	
13	-.1065329+02	.2921658+02	.6908644+02	
14	-.1452569+02	.2864448+02	.7181466+02	
15	-.1601333+02	.2923803+02	.7448939+02	
16	-.1844582+02	.2879512+02	.7603607+02	
17	-.2079785+02	.2835221+02	.7750227+02	
18	-.2215715+02	.2883060+02	.7981834+02	
19	-.2276150+02	.2999996+02	.8276141+02	
20	-.2630235+02	.2817510+02	.8265255+02	
21	-.2645107+02	.2968995+02	.8583096+02	
22	-.2943096+02	.2832574+02	.8608243+02	
23	-.3259718+02	.2673120+02	.8605958+02	
24	-.3376507+02	.2709442+02	.8795392+02	
25	-.3662281+02	.2573021+02	.8808324+02	
26	-.3760301+02	.2620860+02	.9002021+02	
27	-.3986995+02	.2585573+02	.9158142+02	
28	-.4145803+02	.2589844+02	.9325490+02	
29	-.4335928+02	.2558941+02	.9453809+02	
30	-.4522458+02	.2528038+02	.9578533+02	
31	-.4674361+02	.2528400+02	.9731161+02	
32	-.4799662+02	.2552211+02	.9904084+02	
33	-.5023610+02	.2474411+02	.9972431+02	
34	-.5131428+02	.2509945+02	.1015132+03	
35	-.5334308+02	.2447778+02	.1022986+03	
36	-.5542505+02	.2377794+02	.1029809+03	
37	-.5681893+02	.2374248+02	.1043039+03	
38	-.5877650+02	.2312080+02	.1050181+03	
39	-.6008733+02	.2312442+02	.1063362+03	
40	-.6179196+02	.2284595+02	.1074839+03	
41	-.6327748+02	.2270172+02	.1086809+03	
42	-.6486176+02	.2243813+02	.1097380+03	
43	-.6642635+02	.2217453+02	.1107754+03	
44	-.6786601+02	.2201704+02	.1119001+03	
45	-.6920807+02	.2193912+02	.1130863+03	
46	-.7087765+02	.2151638+02	.1139104+03	
47	-.7214602+02	.2147824+02	.1151025+03	
48	-.7372999+02	.2110855+02	.1159471+03	
49	-.7532514+02	.2071233+02	.1167498+03	
50	-.7668004+02	.2054157+02	.1177632+03	
51	-.7821963+02	.2017188+02	.1185634+03	
52	-.7953327+02	.2001439+02	.1195620+03	
53	-.8096740+02	.1976116+02	.1204897+03	
54	-.8232473+02	.1955349+02	.1214317+03	
55	-.8370974+02	.1930532+02	.1223204+03	
56	-.8508233+02	.1905714+02	.1231966+03	
57	-.8640691+02	.1884497+02	.1240969+03	
58	-.8769285+02	.1865981+02	.1250125+03	
59	-.8908453+02	.1835762+02	.1257998+03	
60	-.9033476+02	.1818596+02	.1267067+03	

TIME SERIES FORECASTING FOR MODEL I

****

DATA - Z = OREGON #6: VIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	5	.28965+00
2	AUTOREGRESSIVE 1	7	.34849+00
3	MOVING AVERAGE 1	1	.77228+00
4	TREND CONSTANT		-.12034+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.3775122+02	.7632049+02	.1148898+03	
2	.3879774+02	.7835442+02	.1179111+03	
3	.3606669+02	.7658673+02	.1171068+03	
4	.2590398+02	.6736500+02	.1088260+03	
5	.3751768+02	.7969679+02	.1222799+03	
6	.2385360+02	.7069750+02	.1175414+03	
7	.2645723+02	.7465115+02	.1228451+03	
8	.1855069+02	.7273654+02	.1269224+03	
9	.1459039+02	.7065391+02	.1267174+03	
10	.1566768+02	.7354800+02	.1314283+03	
11	.7044888+01	.6754884+02	.1280528+03	
12	.1057578+02	.7294154+02	.1353073+03	
13	.2619106+01	.6906011+02	.1355011+03	
14	.1158175+01	.6971433+02	.1382705+03	
15	-.2107911+01	.6976596+02	.1416380+03	
16	-.7135622+01	.6718129+02	.1414982+03	
17	-.6876288+01	.6963150+02	.1461393+03	
18	-.1319157+02	.6629628+02	.1457841+03	
19	-.1347039+02	.6824472+02	.1499598+03	
20	-.1810884+02	.6678645+02	.1516817+03	
21	-.2110738+02	.6614571+02	.1533986+03	
22	-.2312682+02	.6675276+02	.1566323+03	
23	-.2767623+02	.6476596+02	.1572082+03	
24	-.2864717+02	.6606386+02	.1607749+03	
25	-.3309642+02	.6435886+02	.1618141+03	
26	-.3500722+02	.6473193+02	.1644711+03	
27	-.3808925+02	.6427924+02	.1666477+03	
28	-.4135932+02	.6336014+02	.1680796+03	
29	-.4323365+02	.6382729+02	.1708882+03	
30	-.4697605+02	.6252072+02	.1720175+03	
31	-.4874619+02	.6296074+02	.1746677+03	
32	-.5202930+02	.6211511+02	.1762595+03	
33	-.5449581+02	.6185857+02	.1782129+03	
34	-.5694202+02	.6171579+02	.1803736+03	
35	-.5999348+02	.6089670+02	.1817869+03	
36	-.6198231+02	.6106662+02	.1841155+03	
37	-.6504242+02	.6024602+02	.1855345+03	
38	-.6718202+02	.6020472+02	.1875915+03	
39	-.6982410+02	.5974833+02	.1893208+03	
40	-.7235759+02	.5930134+02	.1909603+03	
41	-.7456598+02	.5918046+02	.1929269+03	
42	-.7728827+02	.5853700+02	.1943623+03	
43	-.7937072+02	.5846391+02	.1962985+03	
44	-.8196012+02	.5792542+02	.1978110+03	
45	-.8419607+02	.5766122+02	.1995185+03	
46	-.8650300+02	.5734682+02	.2011966+03	
47	-.8891711+02	.5688434+02	.2026858+03	
48	-.9102693+02	.5670071+02	.2044283+03	
49	-.9345558+02	.5620016+02	.2058559+03	
50	-.9555573+02	.5597782+02	.2075114+03	
51	-.9784530+02	.5557876+02	.2090028+03	
52	-.1000395+03	.5523239+02	.2105043+03	
53	-.1021642+03	.5494931+02	.2120628+03	
54	-.1044139+03	.5452281+02	.2134595+03	
55	-.1064581+03	.5427409+02	.2150063+03	
56	-.1086626+03	.5386373+02	.2163901+03	
57	-.1107216+03	.5356558+02	.2178527+03	
58	-.1128209+03	.5322418+02	.2192693+03	
59	-.1149195+03	.5285961+02	.2206387+03	
60	-.1169299+03	.5256857+02	.2220670+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: VIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.44168+00
2	MOVING AVERAGE 2	12	.63302+00
3	TREND CONSTANT		.33331-01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5661976+01	.4247648+02	.7929099+02	
2	.6416922+00	.4200551+02	.8496934+02	
3	.9335961+01	.5624297+02	.1031500+03	
4	.2087417+01	.5330019+02	.1045130+03	
5	-.6725452+01	.4845813+02	.1036417+03	
6	-.3319061+01	.5556619+02	.1144554+03	
7	.1103489+02	.7340626+02	.1357776+03	
8	.1305610+02	.7872701+02	.1443979+03	
9	-.4047498+01	.6476491+02	.1335773+03	
10	-.1937601+02	.5244062+02	.1242572+03	
11	-.2667688+02	.4802324+02	.1227234+03	
12	-.4096094+02	.3651542+02	.1139918+03	
13	-.5405535+02	.3057902+02	.1152134+03	
14	-.5823505+02	.3094139+02	.1201178+03	
15	-.4908593+02	.4441218+02	.1379103+03	
16	-.5612594+02	.4150272+02	.1391314+03	
17	-.6489742+02	.3669400+02	.1382854+03	
18	-.6156791+02	.4383738+02	.1492427+03	
19	-.4737712+02	.6170879+02	.1707947+03	
20	-.4558347+02	.6706287+02	.1797092+03	
21	-.6296351+02	.5313410+02	.1692317+03	
22	-.7860608+02	.4084314+02	.1602924+03	
23	-.8625022+02	.3645909+02	.1591684+03	
24	-.1009004+03	.2498461+02	.1508696+03	
25	-.1135013+03	.1908154+02	.1516644+03	
26	-.1178124+03	.1947724+02	.1567669+03	
27	-.1088590+03	.3298136+02	.1748217+03	
28	-.1161443+03	.3010524+02	.1763548+03	
29	-.1251997+03	.2532984+02	.1758594+03	
30	-.1221847+03	.3250656+02	.1871978+03	
31	-.1083326+03	.5041130+02	.2091552+03	
32	-.1068969+03	.5579870+02	.2184943+03	
33	-.1246503+03	.4190327+02	.2084568+03	
34	-.1406785+03	.2964564+02	.1999696+03	
35	-.1487182+03	.2529492+02	.1993080+03	
36	-.1637717+03	.1365377+02	.1914792+03	
37	-.1763162+03	.7984035+01	.1922842+03	
38	-.1808787+03	.8413060+01	.1977048+03	
39	-.1722045+03	.2195051+02	.2161055+03	
40	-.1797917+03	.1910772+02	.2180071+03	
41	-.1891676+03	.1436566+02	.2178989+03	
42	-.1864882+03	.2157571+02	.2296396+03	
43	-.1729842+03	.3951378+02	.2520117+03	
44	-.1719069+03	.4493451+02	.2617759+03	
45	-.1900271+03	.3107241+02	.2521719+03	
46	-.2064290+03	.1864811+02	.2441252+03	
47	-.2148480+03	.1453073+02	.2439094+03	
48	-.2302853+03	.3122906+01	.2365311+03	
49	-.2429083+03	-.2713498+01	.2374813+03	
50	-.2477439+03	-.2251141+01	.2432417+03	
51	-.2393592+03	.1131964+02	.2619985+03	
52	-.2472496+03	.6510183+01	.2642699+03	
53	-.2569402+03	.3801451+01	.2645431+03	
54	-.2545653+03	.1104483+02	.2766750+03	
55	-.2414140+03	.2901623+02	.2994465+03	
56	-.2406764+03	.3447030+02	.3096470+03	
57	-.2591421+03	.2064153+02	.3004251+03	
58	-.2758943+03	.8450560+01	.2927955+03	
59	-.2846677+03	.4166507+01	.2930007+03	
60	-.3004627+03	-.7207983+01	.2860466+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON STATEWIDE: NONVIOLENT CRIMES,TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.15012+00
2	MOVING AVERAGE 1	2	.86490-01
3	MOVING AVERAGE 1	12	.68815+00
4	TREND CONSTANT		.15188+02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1143261+05	.1290706+05	.1438151+05	
2	.1033851+05	.1227052+05	.1420553+05	
3	.1092069+05	.1315925+05	.1539782+05	
4	.1006626+05	.1257187+05	.1507748+05	
5	.9871427+04	.1261825+05	.1536506+05	
6	.1000118+05	.1296967+05	.1593816+05	
7	.1052094+05	.1369566+05	.1687038+05	
8	.1044689+05	.1361524+05	.1718359+05	
9	.9391459+04	.1294289+05	.1649433+05	
10	.9437974+04	.1316351+05	.1688904+05	
11	.9143162+04	.1303401+05	.1692587+05	
12	.9814391+04	.1386574+05	.1791709+05	
13	.9151484+04	.1350196+05	.1785249+05	
14	.8321312+04	.1288064+05	.1743996+05	
15	.9060536+04	.1378456+05	.1850858+05	
16	.8329196+04	.1321236+05	.1809553+05	
17	.8236639+04	.1327393+05	.1831122+05	
18	.8453709+04	.1364054+05	.1882737+05	
19	.9049534+04	.1438172+05	.1971390+05	
20	.9042814+04	.1451649+05	.1999016+05	
21	.8047729+04	.1365933+05	.1927093+05	
22	.8148916+04	.1389513+05	.1964135+05	
23	.7903078+04	.1378083+05	.1965858+05	
24	.8621338+04	.1462774+05	.2063414+05	
25	.8037833+04	.1427917+05	.2052052+05	
26	.7259756+04	.1367301+05	.2008627+05	
27	.8038848+04	.1459212+05	.2114540+05	
28	.7344750+04	.1403512+05	.2072549+05	
29	.7287166+04	.1411187+05	.2093658+05	
30	.7537223+04	.1449367+05	.2145012+05	
31	.8164292+04	.1525004+05	.2233578+05	
32	.8187275+04	.1540000+05	.2261272+05	
33	.7220523+04	.1455803+05	.2189553+05	
34	.7348822+04	.1460902+05	.2226921+05	
35	.7128998+04	.1470990+05	.2229081+05	
36	.7872285+04	.1557200+05	.2327172+05	
37	.7329656+04	.1523863+05	.2314760+05	
38	.6581252+04	.1464766+05	.2271406+05	
39	.7384778+04	.1559195+05	.2377913+05	
40	.6714241+04	.1504014+05	.2336603+05	
41	.6679423+04	.1513208+05	.2358473+05	
42	.6951527+04	.1552907+05	.2410661+05	
43	.7599986+04	.1630062+05	.2500125+05	
44	.7643758+04	.1646577+05	.2528778+05	
45	.6697247+04	.1563899+05	.2458072+05	
46	.6845280+04	.1590517+05	.2496505+05	
47	.6644727+04	.1582124+05	.2499775+05	
48	.7406656+04	.1669853+05	.2599020+05	
49	.6892739+04	.1638034+05	.2586794+05	
50	.6166415+04	.1580456+05	.2544270+05	
51	.6988980+04	.1675404+05	.2651911+05	
52	.6337057+04	.1622741+05	.2611777+05	
53	.6320461+04	.1633454+05	.2634863+05	
54	.6610424+04	.1674672+05	.2688302+05	
55	.7276405+04	.1753346+05	.2779052+05	
56	.7337388+04	.1771380+05	.2809021+05	
57	.6407797+04	.1690221+05	.2739662+05	
58	.6572491+04	.1718358+05	.2779467+05	
59	.6388327+04	.1711484+05	.2784135+05	
60	.7166619+04	.1800732+05	.2864801+05	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: TOTAL NONVIOLENT CRIME 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	6	-.22662+00
2	MOVING AVERAGE 1	1	.38617+00
3	TREND CONSTANT		.22318+02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4126548+04	.4635313+04	.5144077+04	
2	.4059758+04	.4656724+04	.5253690+04	
3	.4025720+04	.4699437+04	.5373155+04	
4	.4036057+04	.4778636+04	.5521214+04	
5	.4021213+04	.4826788+04	.5632362+04	
6	.3927783+04	.4791772+04	.5655761+04	
7	.3939639+04	.4825803+04	.5711966+04	
8	.3924781+04	.4843268+04	.5761756+04	
9	.3906195+04	.4855907+04	.5805618+04	
10	.3880335+04	.4860277+04	.5840218+04	
11	.3862416+04	.4871683+04	.5880949+04	
12	.3864173+04	.4901936+04	.5939698+04	
13	.3844819+04	.4916541+04	.5988264+04	
14	.3832665+04	.4934901+04	.6037138+04	
15	.3822426+04	.4954355+04	.6086284+04	
16	.3814820+04	.4975682+04	.6136544+04	
17	.3806324+04	.4995416+04	.6184507+04	
18	.3794212+04	.5010878+04	.6227543+04	
19	.3787469+04	.5029885+04	.6272302+04	
20	.3779943+04	.5048043+04	.6316142+04	
21	.3772679+04	.5065952+04	.6359225+04	
22	.3765471+04	.5083437+04	.6401402+04	
23	.3759079+04	.5101283+04	.6443487+04	
24	.3754084+04	.5120096+04	.6486409+04	
25	.3748448+04	.5138107+04	.6527766+04	
26	.3743494+04	.5156310+04	.6569126+04	
27	.3738969+04	.5174569+04	.6610169+04	
28	.3734897+04	.5192925+04	.6650952+04	
29	.3731083+04	.5211198+04	.6691313+04	
30	.3727374+04	.5229253+04	.6731131+04	
31	.3724209+04	.5247489+04	.6770769+04	
32	.3721278+04	.5265682+04	.6810086+04	
33	.3718618+04	.5283862+04	.6849105+04	
34	.3716211+04	.5302020+04	.6887828+04	
35	.3714086+04	.5320196+04	.6926307+04	
36	.3712264+04	.5338423+04	.6964582+04	
37	.3710634+04	.5356608+04	.7002582+04	
38	.3709254+04	.5374803+04	.7040352+04	
39	.3708104+04	.5393001+04	.7077898+04	
40	.3707179+04	.5411204+04	.7115229+04	
41	.3706461+04	.5429403+04	.7152344+04	
42	.3705939+04	.5447590+04	.7189241+04	
43	.3705626+04	.5465787+04	.7225947+04	
44	.3705503+04	.5483981+04	.7262459+04	
45	.3705566+04	.5502175+04	.7298784+04	
46	.3705809+04	.5520368+04	.7334926+04	
47	.3706229+04	.5538562+04	.7370894+04	
48	.3706823+04	.5556758+04	.7406693+04	
49	.3707579+04	.5574952+04	.7442325+04	
50	.3708498+04	.5593147+04	.7477795+04	
51	.3709573+04	.5611341+04	.7513109+04	
52	.3710802+04	.5629536+04	.7548271+04	
53	.3712179+04	.5647731+04	.7583283+04	
54	.3713701+04	.5665925+04	.7618150+04	
55	.3715364+04	.5684120+04	.7652877+04	
56	.3717165+04	.5702315+04	.7687465+04	
57	.3719100+04	.5720509+04	.7721919+04	
58	.3721166+04	.5738704+04	.7756242+04	
59	.3723360+04	.5756898+04	.7790437+04	
60	.3725679+04	.5775093+04	.7824508+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: NONVIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.51788+00
2	MOVING AVERAGE 1	2	.10274+00
3	MOVING AVERAGE 2	12	.59928+00
4	TREND CONSTANT		.30973+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2005005+04	.2295465+04	.2585924+04	
2	.1914990+04	.2237444+04	.2559898+04	
3	.2030325+04	.2371088+04	.2711851+04	
4	.2000102+04	.2358239+04	.2716376+04	
5	.1945510+04	.2320217+04	.2694924+04	
6	.1964921+04	.2355495+04	.2746068+04	
7	.2106424+04	.2512245+04	.2918066+04	
8	.2108868+04	.2529383+04	.2949899+04	
9	.1741457+04	.2176171+04	.2610885+04	
10	.1769606+04	.2218069+04	.2666532+04	
11	.1852466+04	.2314268+04	.2776071+04	
12	.1977499+04	.2452267+04	.2927035+04	
13	.1891180+04	.2417247+04	.2943314+04	
14	.1811564+04	.2363294+04	.2915023+04	
15	.1927122+04	.2500035+04	.3072948+04	
16	.1896942+04	.2490283+04	.3083625+04	
17	.1842269+04	.2455359+04	.3068448+04	
18	.1861513+04	.2493734+04	.3125954+04	
19	.2002791+04	.2653581+04	.3304370+04	
20	.2004973+04	.2673817+04	.3342660+04	
21	.1637279+04	.2323701+04	.3010124+04	
22	.1665134+04	.2368697+04	.3072259+04	
23	.1747699+04	.2467994+04	.3188288+04	
24	.1872443+04	.2609090+04	.3345737+04	
25	.1792341+04	.2577167+04	.3361992+04	
26	.1713754+04	.2526311+04	.3338867+04	
27	.1829696+04	.2666149+04	.3502602+04	
28	.1799809+04	.2659495+04	.3519180+04	
29	.1745361+04	.2627667+04	.3509974+04	
30	.1764776+04	.2669139+04	.3573501+04	
31	.1906192+04	.2832084+04	.3757976+04	
32	.1908484+04	.2855417+04	.3802350+04	
33	.1540883+04	.2508399+04	.3475915+04	
34	.1568821+04	.2556491+04	.3544162+04	
35	.1651464+04	.2658885+04	.3666307+04	
36	.1776286+04	.2803079+04	.3829872+04	
37	.1700257+04	.2774253+04	.3848249+04	
38	.1622728+04	.2726494+04	.3830261+04	
39	.1739303+04	.2869430+04	.3999557+04	
40	.1709986+04	.2865873+04	.4021759+04	
41	.1656056+04	.2837142+04	.4018227+04	
42	.1675956+04	.2881712+04	.4087468+04	
43	.1817821+04	.3047754+04	.4277686+04	
44	.1820541+04	.3074184+04	.4327827+04	
45	.1453350+04	.2730263+04	.4007176+04	
46	.1461686+04	.2761453+04	.4081220+04	
47	.1568719+04	.2886944+04	.4209170+04	
48	.1689926+04	.3034235+04	.4378544+04	
49	.1617072+04	.3008506+04	.4399941+04	
50	.1540693+04	.2963845+04	.4386996+04	
51	.1658111+04	.3109876+04	.4561645+04	
52	.1629588+04	.3109416+04	.4589247+04	
53	.1576415+04	.3083785+04	.4591154+04	
54	.1597036+04	.3131451+04	.4665866+04	
55	.1739598+04	.3300590+04	.4861583+04	
56	.1742993+04	.3330116+04	.4917242+04	
57	.1376461+04	.2989294+04	.4602128+04	
58	.1405492+04	.3043581+04	.4681720+04	
59	.1489110+04	.3152170+04	.4815229+04	
60	.1614946+04	.3302557+04	.4990169+04	

CONTINUED

1 OF 5

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: NONVIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.53790+00
2	MOVING AVERAGE 2	12	.60946+00
3	TREND CONSTANT		-.21067+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1214465+04	.1447219+04	.1679973+04	
2	.1085340+04	.1341743+04	.1598146+04	
3	.1198485+04	.1476533+04	.1754582+04	
4	.1019988+04	.1318114+04	.1616240+04	
5	.9678077+03	.1284741+04	.1601675+04	
6	.9303642+03	.1265051+04	.1599738+04	
7	.1025304+04	.1376846+04	.1728392+04	
8	.9467666+03	.1314396+04	.1682026+04	
9	.8963319+03	.1279372+04	.1662412+04	
10	.9514731+03	.1349327+04	.1747181+04	
11	.9262104+03	.1338346+04	.1750482+04	
12	.1056970+04	.1482909+04	.1908848+04	
13	.8757814+03	.1345684+04	.1815587+04	
14	.7449719+03	.1238101+04	.1731231+04	
15	.6554746+03	.1370785+04	.1886095+04	
16	.6736837+03	.1210259+04	.1746834+04	
17	.6177508+03	.1174780+04	.1731809+04	
18	.5762247+03	.1152982+04	.1729740+04	
19	.6668395+03	.1262673+04	.1858507+04	
20	.5837970+03	.1198114+04	.1812432+04	
21	.5287223+03	.1160983+04	.1793244+04	
22	.5791226+03	.1228832+04	.1878541+04	
23	.5490431+03	.1215744+04	.1882445+04	
24	.6749297+03	.1358200+04	.2041471+04	
25	.4945211+03	.1218869+04	.1943216+04	
26	.3599288+03	.1109179+04	.1858430+04	
27	.4664043+03	.1239756+04	.2013109+04	
28	.2803987+03	.1077124+04	.1873848+04	
29	.2201064+03	.1039538+04	.1858969+04	
30	.1741085+03	.1015634+04	.1857159+04	
31	.2601640+03	.1123218+04	.1986271+04	
32	.1724941+03	.1056552+04	.1940610+04	
33	.1127396+03	.1017314+04	.1921889+04	
34	.1584198+03	.1083056+04	.2007693+04	
35	.1235900+03	.1067862+04	.2012434+04	
36	.2447038+03	.1208211+04	.2171719+04	
37	.6271486+02	.1066773+04	.2070831+04	
38	-.7589029+02	.9549771+03	.1985845+04	
39	.2645065+02	.1083447+04	.2140444+04	
40	-.1637877+03	.9187080+03	.2001204+04	
41	-.2283922+03	.8790154+03	.1986423+04	
42	-.2787666+03	.8530047+03	.1984776+04	
43	-.1971395+03	.9584819+03	.2114103+04	
44	-.2892794+03	.8897098+03	.2068699+04	
45	-.3535373+03	.8483654+03	.2050268+04	
46	-.3123870+03	.9120006+03	.2136388+04	
47	-.3517672+03	.8946996+03	.2141166+04	
48	-.2352196+03	.1032942+04	.2301104+04	
49	-.4196155+03	.8893973+03	.2198410+04	
50	-.5622107+03	.7754946+03	.2113200+04	
51	-.4639370+03	.9018583+03	.2267654+04	
52	-.6583069+03	.7350121+03	.2128331+04	
53	-.7270966+03	.6932128+03	.2113522+04	
54	-.7817010+03	.6650954+03	.2111892+04	
55	-.7043412+03	.7684660+03	.2241273+04	
56	-.8007793+03	.6975872+03	.2195954+04	
57	-.8693609+03	.6541361+03	.2177633+04	
58	-.8325551+03	.7156646+03	.2263884+04	
59	-.8762968+03	.6962569+03	.2268811+04	
60	-.7641241+03	.8323926+03	.2428910+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #4: NONVIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.81423+03
2	AUTOREGRESSIVE 1	1	.11536+00
3	AUTOREGRESSIVE 1	2	.29099+00
4	AUTOREGRESSIVE 1	3	.27756+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6203409+03	.7538908+03	.6874408+03	
2	.6367744+03	.7712100+03	.9056456+03	
3	.6256683+03	.7661119+03	.9065556+03	
4	.6315556+03	.7794150+03	.9272744+03	
5	.6348681+03	.7842731+03	.9336782+03	
6	.6354275+03	.7872896+03	.9391517+03	
7	.6392660+03	.7927436+03	.9462211+03	
8	.6412446+03	.7955989+03	.9499532+03	
9	.6431805+03	.7983525+03	.9535245+03	
10	.6453174+03	.8010148+03	.9567122+03	
11	.6468536+03	.8029157+03	.9589778+03	
12	.6483311+03	.8046740+03	.9610168+03	
13	.6496350+03	.8061689+03	.9627027+03	
14	.6507086+03	.8073806+03	.9640525+03	
15	.6516711+03	.8084433+03	.9652156+03	
16	.6524906+03	.8093335+03	.9661763+03	
17	.6531878+03	.8100817+03	.9669756+03	
18	.6537916+03	.8107220+03	.9676524+03	
19	.6543042+03	.8112607+03	.9682171+03	
20	.6547416+03	.8117168+03	.9686920+03	
21	.6551152+03	.8121039+03	.9690925+03	
22	.6554325+03	.8124308+03	.9694290+03	
23	.6557026+03	.8127077+03	.9697129+03	
24	.6559321+03	.8129422+03	.9699523+03	
25	.6561270+03	.8131406+03	.9701542+03	
26	.6562924+03	.8133086+03	.9703247+03	
27	.6564328+03	.8134508+03	.9704687+03	
28	.6565518+03	.8135711+03	.9705904+03	
29	.6566528+03	.8136730+03	.9706932+03	
30	.6567384+03	.8137592+03	.9707801+03	
31	.6568109+03	.8138322+03	.9708536+03	
32	.6568723+03	.8138940+03	.9709157+03	
33	.6569244+03	.8139463+03	.9709682+03	
34	.6569685+03	.8139906+03	.9710127+03	
35	.6570058+03	.8140281+03	.9710503+03	
36	.6570375+03	.8140598+03	.9710821+03	
37	.6570643+03	.8140867+03	.9711090+03	
38	.6570870+03	.8141094+03	.9711318+03	
39	.6571062+03	.8141286+03	.9711511+03	
40	.6571224+03	.8141449+03	.9711674+03	
41	.6571362+03	.8141587+03	.9711812+03	
42	.6571479+03	.8141704+03	.9711929+03	
43	.6571577+03	.8141803+03	.9712028+03	
44	.6571661+03	.8141886+03	.9712111+03	
45	.6571732+03	.8141957+03	.9712182+03	
46	.6571791+03	.8142017+03	.9712242+03	
47	.6571842+03	.8142068+03	.9712293+03	
48	.6571885+03	.8142111+03	.9712336+03	
49	.6571921+03	.8142147+03	.9712372+03	
50	.6571952+03	.8142178+03	.9712403+03	
51	.6571978+03	.8142204+03	.9712429+03	
52	.6572000+03	.8142226+03	.9712451+03	
53	.6572019+03	.8142244+03	.9712470+03	
54	.6572035+03	.8142260+03	.9712486+03	
55	.6572048+03	.8142273+03	.9712499+03	
56	.6572059+03	.8142285+03	.9712510+03	
57	.6572069+03	.8142294+03	.9712520+03	
58	.6572077+03	.8142302+03	.9712528+03	
59	.6572084+03	.8142309+03	.9712535+03	
60	.6572090+03	.8142315+03	.9712541+03	

```
TIME SERIES FORECASTING FOR MODEL  1
**************************************************************************************************************
DATA -   Z = OREGON #5:  NONVICLENT CRIME, TOTAL                                                  84 OBSERVATIONS
DIFFERENCING ON   Z - 1) 1 OF ORDER  1
TRANSFORMATIONS EXAMINED - NONE
**************************************************************************************************************
UNIVARIATE MODEL PARAMETERS
**************************************************************************************************************
PARAMETER          PARAMETER          PARAMETER      BEGINNING
 NUMBER             TYPE               ORDER          VALUE
**************************************************************************************************************
    1          MOVING AVERAGE 1          1          .80452+00
    2          TREND CONSTANT                       .59126+00
**************************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =        1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =    60
FORECAST TIME ORIGINS ARE T=                 84
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
```

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD. 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1036981+04	.1400661+04	.1764340+04	
2	.1030690+04	.1401252+04	.1771814+04	
3	.1024523+04	.1401843+04	.1779163+04	
4	.1018476+04	.1402434+04	.1786393+04	
5	.1012541+04	.1403025+04	.1793510+04	
6	.1006714+04	.1403617+04	.1800520+04	
7	.1000989+04	.1404208+04	.1807427+04	
8	.9953609+03	.1404799+04	.1814238+04	
9	.9898262+03	.1405390+04	.1820955+04	
10	.9843805+03	.1405982+04	.1827583+04	
11	.9790201+03	.1406573+04	.1834126+04	
12	.9737414+03	.1407164+04	.1840587+04	
13	.9685411+03	.1407755+04	.1846970+04	
14	.9634162+03	.1408347+04	.1853277+04	
15	.9583638+03	.1408938+04	.1859512+04	
16	.9533812+03	.1409529+04	.1865677+04	
17	.9484660+03	.1410120+04	.1871775+04	
18	.9436156+03	.1410712+04	.1877808+04	
19	.9388279+03	.1411303+04	.1883778+04	
20	.9341008+03	.1411894+04	.1889688+04	
21	.9294322+03	.1412485+04	.1895539+04	
22	.9248202+03	.1413077+04	.1901333+04	
23	.9202632+03	.1413668+04	.1907073+04	
24	.9157592+03	.1414259+04	.1912759+04	
25	.9113069+03	.1414850+04	.1918394+04	
26	.9069046+03	.1415442+04	.1923979+04	
27	.9025508+03	.1416033+04	.1929515+04	
28	.8982442+03	.1416624+04	.1935004+04	
29	.8939835+03	.1417215+04	.1940447+04	
30	.8897673+03	.1417807+04	.1945846+04	
31	.8855945+03	.1418398+04	.1951201+04	
32	.8814639+03	.1418989+04	.1956514+04	
33	.8773745+03	.1419580+04	.1961786+04	
34	.8733251+03	.1420172+04	.1967018+04	
35	.8693147+03	.1420763+04	.1972211+04	
36	.8653425+03	.1421354+04	.1977366+04	
37	.8614073+03	.1421945+04	.1982483+04	
38	.8575085+03	.1422537+04	.1987565+04	
39	.8536451+03	.1423128+04	.1992611+04	
40	.8498162+03	.1423719+04	.1997622+04	
41	.8460211+03	.1424310+04	.2002600+04	
42	.8422590+03	.1424902+04	.2007544+04	
43	.8385293+03	.1425493+04	.2012457+04	
44	.8348310+03	.1426084+04	.2017337+04	
45	.8311637+03	.1426675+04	.2022187+04	
46	.8275267+03	.1427267+04	.2027007+04	
47	.8239192+03	.1427858+04	.2031797+04	
48	.8203407+03	.1428449+04	.2036558+04	
49	.8167906+03	.1429040+04	.2041290+04	
50	.8132684+03	.1429632+04	.2045995+04	
51	.8097734+03	.1430223+04	.2050672+04	
52	.8063052+03	.1430814+04	.2055323+04	
53	.8028631+03	.1431405+04	.2059948+04	
54	.7994468+03	.1431997+04	.2064546+04	
55	.7960557+03	.1432588+04	.2069120+04	
56	.7926894+03	.1433179+04	.2073669+04	
57	.7893474+03	.1433770+04	.2078193+04	
58	.7860292+03	.1434362+04	.2082694+04	
59	.7827345+03	.1434953+04	.2087171+04	
60	.7794628+03	.1435544+04	.2091625+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #6: NONVIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.67604+00
2	MOVING AVERAGE 2	12	.60189+00
3	TREND CONSTANT		-.53100+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1131175+04	.1409574+04	.1687983+04	
2	.1061995+04	.1354643+04	.1647292+04	
3	.1099946+04	.1406178+04	.1712409+04	
4	.9596142+03	.1278851+04	.1598087+04	
5	.9580788+03	.1289811+04	.1621544+04	
6	.1021435+04	.1365209+04	.1708984+04	
7	.1030981+04	.1386390+04	.1741798+04	
8	.1057161+04	.1423835+04	.1790509+04	
9	.8903259+03	.1267929+04	.1645532+04	
10	.7748415+03	.1163066+04	.1551291+04	
11	.8111082+03	.1209672+04	.1608235+04	
12	.8911751+03	.1299816+04	.1708456+04	
13	.7695251+03	.1224936+04	.1680347+04	
14	.6921443+03	.1164690+04	.1637236+04	
15	.7218335+03	.1210914+04	.1699995+04	
16	.5732026+03	.1078274+04	.1583352+04	
17	.5633503+03	.1063928+04	.1604506+04	
18	.6183842+03	.1154016+04	.1689648+04	
19	.6196120+03	.1169886+04	.1720161+04	
20	.6374844+03	.1202022+04	.1766559+04	
21	.4623568+03	.1040805+04	.1619254+04	
22	.3385995+03	.9306327+03	.1522666+04	
23	.3666151+03	.9719281+03	.1577241+04	
24	.4384547+03	.1056762+04	.1675070+04	
25	.3144232+03	.9765725+03	.1638722+04	
26	.2293373+03	.9110167+03	.1592696+04	
27	.2512655+03	.9519306+03	.1652596+04	
28	.9483382+02	.8139839+03	.1533134+04	
29	.7715269+02	.8143243+03	.1551496+04	
30	.1243395+03	.8791024+03	.1633865+04	
31	.1177094+03	.8896628+03	.1661616+04	
32	.1277187+03	.9164881+03	.1705257+04	
33	-.5527248+02	.7499617+03	.1555196+04	
34	-.1868901+03	.6344789+03	.1455848+04	
35	-.1667288+03	.6704643+03	.1507657+04	
36	-.1027350+03	.7499884+03	.1602712+04	
37	-.2308206+03	.6644887+03	.1559798+04	
38	-.3232997+03	.5936228+03	.1510545+04	
39	-.3088110+03	.6292269+03	.1567265+04	
40	-.4727182+03	.4859700+03	.1444658+04	
41	-.4979028+03	.4810003+03	.1459903+04	
42	-.4582405+03	.5404684+03	.1539177+04	
43	-.4724107+03	.5457187+03	.1563848+04	
44	-.4699524+03	.5672340+03	.1604820+04	
45	-.6605019+03	.3953976+03	.1451297+04	
46	-.7996819+03	.2746048+03	.1348891+04	
47	-.7870843+03	.3052801+03	.1397645+04	
48	-.7306536+03	.3794942+03	.1489642+04	
49	-.8635969+03	.2886844+03	.1440966+04	
50	-.9632559+03	.2125085+03	.1388273+04	
51	-.9559650+03	.2428025+03	.1441590+04	
52	-.1127141+04	.9423562+02	.1315612+04	
53	-.1159600+04	.8395587+02	.1327512+04	
54	-.1127232+04	.1381139+03	.1403460+04	
55	-.1148713+04	.1380542+03	.1424822+04	
56	-.1153579+04	.1542595+03	.1462097+04	
57	-.1351461+04	-.2288695+02	.1305687+04	
58	-.1497982+04	-.1469898+03	.1200002+04	
59	-.1492730+04	-.1236245+03	.1245481+04	
60	-.1443648+04	-.5472046+02	.1334207+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: NONVIOLENT CRIME, TOTAL 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.56847*00
2	AUTOREGRESSIVE 1	2	-.36796*00
3	TREND CONSTANT		-.25410*01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8776776+03	.1174281+04	.1470884+04	
2	.8200385+03	.1143080+04	.1466121+04	
3	.8157392+03	.1158540+04	.1501342+04	
4	.7694877+03	.1158691+04	.1547895+04	
5	.7334014+03	.1150376+04	.1567350+04	
6	.7114558+03	.1152506+04	.1593557+04	
7	.6826930+03	.1151814+04	.1620935+04	
8	.6554881+03	.1148883+04	.1642277+04	
9	.6323096+03	.1148263+04	.1664216+04	
10	.6085412+03	.1147153+04	.1685764+04	
11	.5854938+03	.1145471+04	.1705448+04	
12	.5638890+03	.1144294+04	.1724700+04	
13	.5426901+03	.1143041+04	.1743392+04	
14	.5220553+03	.1141646+04	.1761236+04	
15	.5021472+03	.1140359+04	.1778571+04	
16	.4827141+03	.1139063+04	.1795412+04	
17	.4637451+03	.1137732+04	.1811719+04	
18	.4452585+03	.1136425+04	.1827591+04	
19	.4271793+03	.1135117+04	.1843054+04	
20	.4094818+03	.1133800+04	.1858119+04	
21	.3921537+03	.1132489+04	.1872824+04	
22	.3751633+03	.1131178+04	.1887193+04	
23	.3584698+03	.1129865+04	.1901240+04	
24	.3421178+03	.1128553+04	.1914988+04	
25	.3260286+03	.1127241+04	.1928453+04	
26	.3102066+03	.1125928+04	.1941650+04	
27	.2946386+03	.1124616+04	.1954594+04	
28	.2793113+03	.1123304+04	.1967297+04	
29	.2642126+03	.1121992+04	.1979771+04	
30	.2493325+03	.1120680+04	.1992027+04	
31	.2346603+03	.1119368+04	.2004075+04	
32	.2201868+03	.1118055+04	.2015924+04	
33	.2059035+03	.1116743+04	.2027683+04	
34	.1918024+03	.1115431+04	.2039060+04	
35	.1778759+03	.1114119+04	.2050362+04	
36	.1641171+03	.1112807+04	.2061496+04	
37	.1505196+03	.1111494+04	.2072469+04	
38	.1370771+03	.1110182+04	.2083287+04	
39	.1237840+03	.1108870+04	.2093956+04	
40	.1106348+03	.1107558+04	.2104481+04	
41	.9762457+02	.1106246+04	.2114867+04	
42	.8474846+02	.1104934+04	.2125119+04	
43	.7200195+02	.1103621+04	.2135241+04	
44	.5938081+02	.1102309+04	.2145237+04	
45	.4688101+02	.1100997+04	.2155113+04	
46	.3449869+02	.1099685+04	.2164871+04	
47	.2223022+02	.1098373+04	.2174515+04	
48	.1007219+02	.1097060+04	.2184049+04	
49	-.1978668+01	.1095748+04	.2193475+04	
50	-.1392552+02	.1094436+04	.2202798+04	
51	-.2577126+02	.1093124+04	.2212019+04	
52	-.3751875+02	.1091812+04	.2221142+04	
53	-.4917073+02	.1090499+04	.2230170+04	
54	-.6072972+02	.1089187+04	.2239104+04	
55	-.7219824+02	.1087875+04	.2247948+04	
56	-.8357857+02	.1086563+04	.2256704+04	
57	-.9487302+02	.1085251+04	.2265374+04	
58	-.1060837+03	.1083939+04	.2273961+04	
59	-.1172128+03	.1082626+04	.2282465+04	
60	-.1282621+03	.1081314+04	.2290890+04	

SECTION II: MODELS AND FORECASTS OF ARRESTS

A. ALASKA

1. Violent Crime

a. Statewide
i. over 18
ii. under 18
iii. non-white

b. Anchorage (#2)
i. over 18
ii. under 18
iii. non-white

c. Fairbanks (#4)
i. over 18
ii. under 18
iii. non-white

d. Juneau (#6)
i. over 18
ii. under 18
iii. non-white

e. Rest of State (#17)
i. over 18
ii. under 18
iii. non-white

2. Non Violent Crime

a. Statewide
i. over 18
ii. under 18
iii. non-white

b. Anchorage (#2)
i. over 18
ii. under 18
iii. non-white

c. Fairbanks (#4)
i. over 18
ii. under 18
iii. non-white

d. Juneau (#6)
i. over 18
ii. under 18
iii. non-white

e. Rest of State (#17)
i. over 18
ii. under 18
iii. non-white

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA STATEWIDE: VIOLENT CRIMES, OVER 16 83 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	0	.34478+00
2	MOVING AVERAGE 1	1	.72507+00
3	MOVING AVERAGE 1	6	.68331+00
4	TREND CONSTANT		-.40080+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.4500552+02	.3417421+02	.1133539+03	
2	-.3415737+02	.4796029+02	.1300779+03	
3	-.2189217+02	.6306188+02	.1480159+03	
4	-.3142262+02	.5627613+02	.1439749+03	
5	-.1392013+02	.7643998+02	.1668001+03	
6	-.3123198+02	.6171333+02	.1546586+03	
7	-.4123427+02	.5717522+02	.1555847+03	
8	-.4095022+02	.6263562+02	.1662215+03	
9	-.5623869+02	.4746951+02	.1511777+03	
10	-.5481746+02	.5182183+02	.1584611+03	
11	-.5206424+02	.5662770+02	.1661196+03	
12	-.5838479+02	.5388734+02	.1661595+03	
13	-.5454656+02	.6043855+02	.1754237+03	
14	-.6267519+02	.5496036+02	.1725959+03	
15	-.7242039+02	.5299493+02	.1784103+03	
16	-.7826317+02	.5447675+02	.1872167+03	
17	-.8819601+02	.4864704+02	.1858901+03	
18	-.9306832+02	.4994684+02	.1929620+03	
19	-.9754468+02	.5140297+02	.1999506+03	
20	-.1044099+03	.4965737+02	.2041247+03	
21	-.1078809+03	.5171527+02	.2113114+03	
22	-.1153270+03	.4942573+02	.2141785+03	
23	-.1230686+03	.4834730+02	.2197632+03	
24	-.1293722+03	.4845740+02	.2262869+03	
25	-.1370964+03	.4611561+02	.2293277+03	
26	-.1429112+03	.4609399+02	.2350991+03	
27	-.1484996+03	.4612629+02	.2407522+03	
28	-.1548272+03	.4526156+02	.2453504+03	
29	-.1599052+03	.4550132+02	.2509078+03	
30	-.1662786+03	.4431114+02	.2549011+03	
31	-.1725986+03	.4353653+02	.2596756+03	
32	-.1783698+03	.4317589+02	.2647212+03	
33	-.1846200+03	.4196751+02	.2665551+03	
34	-.1901285+03	.4155926+02	.2732470+03	
35	-.1955085+03	.4116959+02	.2778477+03	
36	-.2010947+03	.4047066+02	.2820360+03	
37	-.2062032+03	.4015253+02	.2865082+03	
38	-.2117133+03	.3934139+02	.2903960+03	
39	-.2171387+03	.3867421+02	.2944871+03	
40	-.2223360+03	.3814832+02	.2986326+03	
41	-.2276712+03	.3733097+02	.3023331+03	
42	-.2327056+03	.3678942+02	.3062844+03	
43	-.2376598+03	.3625427+02	.3101684+03	
44	-.2426506+03	.3561250+02	.3138756+03	
45	-.2474431+03	.3510202+02	.3176472+03	
46	-.2523417+03	.3442156+02	.3211848+03	
47	-.2571740+03	.3379074+02	.3247555+03	
48	-.2618976+03	.3320863+02	.3283150+03	
49	-.2666426+03	.3252603+02	.3316949+03	
50	-.2712540+03	.3193852+02	.3351310+03	
51	-.2758103+03	.3135322+02	.3385167+03	
52	-.2803526+03	.3073115+02	.3418149+03	
53	-.2848009+03	.3015436+02	.3451096+03	
54	-.2892608+03	.2951895+02	.3482987+03	
55	-.2936721+03	.2890066+02	.3514734+03	
56	-.2980225+03	.2829917+02	.3546209+03	
57	-.3023582+03	.2766303+02	.3576842+03	
58	-.3066249+03	.2705967+02	.3607443+03	
59	-.3108511+03	.2645706+02	.3637653+03	
60	-.3150515+03	.2584191+02	.3667351+03	
1	-.3191990+03	.2524215+02	.3696833+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA STATEWIDE: VIOLENT CRIMES, UNDER 18 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.76088+01
2	AUTOREGRESSIVE 1	10	-.40489+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1262520+C1	.7450380+C1	.1363824+C2	
2	.1667409+C1	.7855268+D1	.1404313+D2	
3	.2882074+C1	.9069934+D1	.1525779+D2	
4	-.3570331+C0	.5830826+D1	.1201869+C2	
5	-.7619216+C0	.5425938+D1	.1161380+D2	
6	.1262520+C1	.7450380+C1	.1363824+C2	
7	-.3191252+D1	.2996607+D1	.9184467+D1	
8	.2882074+C1	.9069934+D1	.1525779+D2	
9	.2882074+D1	.9069934+D1	.1525779+D2	
10	.4785526-D1	.6235715+D1	.1242357+C2	
11	.9970929+C0	.7672915+C1	.1434874+C2	
12	.8331584+C0	.7508980+D1	.1418480+D2	
13	.3413545+D0	.7017176+C1	.1369300+D2	
14	.1652631+C1	.8328653+D1	.1500447+D2	
15	.1816766+C1	.8492586+D1	.1516841+C2	
16	.9970929+C0	.7672915+D1	.1434874+C2	
17	.2800374+C1	.9476196+D1	.1615202+D2	
18	.3413545+D0	.7017176+D1	.1369300+D2	
19	.3413545+C0	.7017176+D1	.1369300+C2	
20	.1488897+C1	.8164719+D1	.1484054+C2	
21	.8303607+C0	.7582813+D1	.1433527+D2	
22	.8967358+C0	.7649188+D1	.1440164+D2	
23	.1095861+C1	.7848314+D1	.1460077+D2	
24	.5648597+C0	.7317312+D1	.1406976+D2	
25	.4964845+C0	.7250937+D1	.1400339+C2	
26	.8303607+C0	.7582813+D1	.1433527+D2	
27	.1002331+C0	.6852686+D1	.1360514+D2	
28	.1095861+C1	.7848314+D1	.1460077+D2	
29	.1095861+C1	.7848314+D1	.1460077+C2	
30	.6312349+C0	.7383687+D1	.1413614+C2	
31	.8543622+C0	.7619294+D1	.1438423+D2	
32	.8274876+D0	.7592420+D1	.1435735+D2	
33	.7468640+C0	.7511796+D1	.1427673+D2	
34	.9618604+C0	.7726792+D1	.1449172+D2	
35	.9887350+C0	.7753667+D1	.1451860+C2	
36	.8543622+D0	.7619294+D1	.1438423+D2	
37	.1149982+C1	.7914914+D1	.1467985+D2	
38	.7468640+C0	.7511796+D1	.1427673+D2	
39	.7468640+C0	.7511796+C1	.1427673+C2	
40	.9349859+C0	.7699916+C1	.1446485+C2	
41	.6375478+C0	.7604523+D1	.1437150+D2	
42	.8484289+C0	.7615404+C1	.1438238+D2	
43	.8810725+C0	.7648046+D1	.1441502+C2	
44	.7940230+D0	.7560999+D1	.1432797+D2	
45	.7831418+C0	.7550117+C1	.1431709+C2	
46	.8375478+C0	.7604523+D1	.1437150+D2	
47	.7178546+C0	.7484830+D1	.1425181+C2	
48	.8810725+C0	.7648046+D1	.1441502+D2	
49	.8810725+C0	.7648046+C1	.1441502+C2	
50	.8049042+C0	.7571880+D1	.1433886+C2	
51	.8431933+C0	.7610504+D1	.1437781+D2	
52	.8387877+C0	.7606098+D1	.1437341+C2	
53	.8255707+D0	.7592881+C1	.1436019+D2	
54	.8608160+C0	.7628127+C1	.1439544+C2	
55	.8652217+C0	.7632532+C1	.1439984+D2	
56	.8431933+D0	.7610504+D1	.1437781+D2	
57	.8916557+C0	.7658966+D1	.1442628+C2	
58	.8255707+D0	.7592881+D1	.1436019+D2	
59	.8255707+C0	.7592881+D1	.1436019+C2	
60	.8564103+C0	.7623721+D1	.1439103+D2	
61	.8407170+D0	.7608082+D1	.1437545+D2	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA STATEWIDE: VIOLENT CRIMES, NATIVE 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.23770+02
2	AUTOREGRESSIVE 1	1	.14348+00
3	AUTOREGRESSIVE 1	2	.23838+00
4	AUTOREGRESSIVE 1	5	.24154+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6756296+01	.2301469+02	.3927309+02	
2	.1217147+02	.2859637+02	.4502126+02	
3	.9314264+01	.2627023+02	.4322619+02	
4	.6648374+01	.2364399+02	.4063960+02	
5	.7850645+01	.2468649+02	.4192234+02	
6	.6129888+01	.2371766+02	.4130543+02	
7	.7545257+01	.2519432+02	.4284339+02	
8	.6771286+01	.2456572+02	.4236016+02	
9	.6373093+01	.2419370+02	.4201331+02	
10	.6444017+01	.2429002+02	.4213602+02	
11	.6030252+01	.2393279+02	.4183533+02	
12	.6341409+01	.2426128+02	.4218116+02	
13	.6123662+01	.2407143+02	.4201920+02	
14	.6075943+01	.2403252+02	.4198910+02	
15	.6040029+01	.2400506+02	.4197010+02	
16	.5931913+01	.2390557+02	.4187922+02	
17	.5985949+01	.2396409+02	.4194222+02	
18	.5919584+01	.2390291+02	.4188623+02	
19	.5912962+01	.2389868+02	.4188440+02	
20	.5886989+01	.2387686+02	.4186473+02	
21	.5859159+01	.2384869+02	.4183822+02	
22	.5862957+01	.2385358+02	.4184421+02	
23	.5841153+01	.2383279+02	.4182443+02	
24	.5837726+01	.2382995+02	.4182218+02	
25	.5826596+01	.2381932+02	.4181204+02	
26	.5817235+01	.2381031+02	.4180339+02	
27	.5814334+01	.2380767+02	.4180100+02	
28	.5806576+01	.2380012+02	.4179366+02	
29	.5804039+01	.2379772+02	.4179140+02	
30	.5799216+01	.2379301+02	.4178680+02	
31	.5795714+01	.2378956+02	.4178345+02	
32	.5793402+01	.2378733+02	.4178126+02	
33	.5790395+01	.2378437+02	.4177834+02	
34	.5788822+01	.2378283+02	.4177683+02	
35	.5786731+01	.2378076+02	.4177479+02	
36	.5785223+01	.2377927+02	.4177332+02	
37	.5783960+01	.2377802+02	.4177208+02	
38	.5782699+01	.2377677+02	.4177084+02	
39	.5781642+01	.2377592+02	.4177000+02	
40	.5780918+01	.2377500+02	.4176908+02	
41	.5780220+01	.2377431+02	.4176839+02	
42	.5779596+01	.2377366+02	.4176777+02	
43	.5779037+01	.2377313+02	.4176722+02	
44	.5778603+01	.2377269+02	.4176679+02	
45	.5778185+01	.2377228+02	.4176637+02	
46	.5777853+01	.2377195+02	.4176604+02	
47	.5777556+01	.2377165+02	.4176575+02	
48	.5777300+01	.2377139+02	.4176549+02	
49	.5777087+01	.2377118+02	.4176528+02	
50	.5776895+01	.2377099+02	.4176509+02	
51	.5776737+01	.2377083+02	.4176493+02	
52	.5776597+01	.2377069+02	.4176479+02	
53	.5776477+01	.2377057+02	.4176467+02	
54	.5776375+01	.2377047+02	.4176457+02	
55	.5776285+01	.2377038+02	.4176448+02	
56	.5776210+01	.2377031+02	.4176440+02	
57	.5776144+01	.2377024+02	.4176434+02	
58	.5776088+01	.2377018+02	.4176426+02	
59	.5776039+01	.2377014+02	.4176423+02	
60	.5775997+01	.2377009+02	.4176419+02	
61	.5775962+01	.2377006+02	.4176415+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.12816+02
2	AUTOREGRESSIVE 1	1	.29629+00
3	AUTOREGRESSIVE 1	3	.36988+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL. 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6838520+01	.1478977+02	.2274103+02	
2	.6504719+01	.1679765+02	.2509057+02	
3	.7590791+01	.1591304+02	.2423530+02	
4	.5565864+01	.1446355+02	.2336123+02	
5	.5698008+01	.1477674+02	.2385548+02	
6	.5429066+01	.1454234+02	.2365562+02	
7	.4716689+01	.1393675+02	.2315682+02	
8	.4569848+01	.1387317+02	.2315648+02	
9	.4464041+01	.1376763+02	.2307121+02	
10	.4182524+01	.1351236+02	.2264220+02	
11	.4063621+01	.1341321+02	.2276279+02	
12	.3986352+01	.1334479+02	.2270323+02	
13	.3863981+01	.1323010+02	.2259622+02	
14	.3787263+01	.1315945+02	.2253163+02	
15	.3737679+01	.1311321+02	.2248873+02	
16	.3679104+01	.1305709+02	.2243507+02	
17	.3634453+01	.1301432+02	.2239419+02	
18	.3603506+01	.1298455+02	.2236559+02	
19	.3573116+01	.1295497+02	.2233682+02	
20	.3547934+01	.1293039+02	.2231284+02	
21	.3529241+01	.1291209+02	.2229494+02	
22	.3512509+01	.1289573+02	.2227885+02	
23	.3498475+01	.1268179+02	.2226510+02	
24	.3487445+01	.1287089+02	.2225434+02	
25	.3478074+01	.1286161+02	.2224515+02	
26	.3470105+01	.1285371+02	.2223731+02	
27	.3463688+01	.1284733+02	.2223098+02	
28	.3458337+01	.1284201+02	.2222568+02	
29	.3453815+01	.1283751+02	.2222120+02	
30	.3450110+01	.1283382+02	.2221753+02	
31	.3447038+01	.1283076+02	.2221446+02	
32	.3444459+01	.1282818+02	.2221191+02	
33	.3442327+01	.1282606+02	.2220979+02	
34	.3440561+01	.1282429+02	.2220803+02	
35	.3439086+01	.1282282+02	.2220656+02	
36	.3437861+01	.1282160+02	.2220534+02	
37	.3436845+01	.1282058+02	.2220432+02	
38	.3435999+01	.1281974+02	.2220348+02	
39	.3435295+01	.1281903+02	.2220277+02	
40	.3434711+01	.1281845+02	.2220219+02	
41	.3434225+01	.1281797+02	.2220171+02	
42	.3433821+01	.1281756+02	.2220130+02	
43	.3433485+01	.1281723+02	.2220097+02	
44	.3433206+01	.1281695+02	.2220069+02	
45	.3432974+01	.1281671+02	.2220046+02	
46	.3432781+01	.1281652+02	.2220026+02	
47	.3432621+01	.1281636+02	.2220010+02	
48	.3432487+01	.1281623+02	.2219997+02	
49	.3432377+01	.1281612+02	.2219986+02	
50	.3432284+01	.1281603+02	.2219977+02	
51	.3432208+01	.1281595+02	.2219969+02	
52	.3432144+01	.1281588+02	.2219963+02	
53	.3432091+01	.1281583+02	.2219957+02	
54	.3432047+01	.1281579+02	.2219953+02	
55	.3432010+01	.1281575+02	.2219949+02	
56	.3431980+01	.1281572+02	.2219946+02	
57	.3431955+01	.1281570+02	.2219944+02	
58	.3431934+01	.1281567+02	.2219941+02	
59	.3431916+01	.1281566+02	.2219940+02	
60	.3431902+01	.1281564+02	.2219938+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.24741+01
2	MOVING AVERAGE 1	1	-.23178+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.6602567+00	.3033375+01	.6727007+01	
2	-.1317474+01	.2474077+01	.6265627+01	
3	-.1317474+01	.2474077+01	.6265627+01	
4	-.1317474+01	.2474077+01	.6265627+01	
5	-.1317474+01	.2474077+01	.6265627+01	
6	-.1317474+01	.2474077+01	.6265627+01	
7	-.1317474+01	.2474077+01	.6265627+01	
8	-.1317474+01	.2474077+01	.6265627+01	
9	-.1317474+01	.2474077+01	.6265627+01	
10	-.1317474+01	.2474077+01	.6265627+01	
11	-.1317474+01	.2474077+01	.6265627+01	
12	-.1317474+01	.2474077+01	.6265627+01	
13	-.1317474+01	.2474077+01	.6265627+01	
14	-.1317474+01	.2474077+01	.6265627+01	
15	-.1317474+01	.2474077+01	.6265627+01	
16	-.1317474+01	.2474077+01	.6265627+01	
17	-.1317474+01	.2474077+01	.6265627+01	
18	-.1317474+01	.2474077+01	.6265627+01	
19	-.1317474+01	.2474077+01	.6265627+01	
20	-.1317474+01	.2474077+01	.6265627+01	
21	-.1317474+01	.2474077+01	.6265627+01	
22	-.1317474+01	.2474077+01	.6265627+01	
23	-.1317474+01	.2474077+01	.6265627+01	
24	-.1317474+01	.2474077+01	.6265627+01	
25	-.1317474+01	.2474077+01	.6265627+01	
26	-.1317474+01	.2474077+01	.6265627+01	
27	-.1317474+01	.2474077+01	.6265627+01	
28	-.1317474+01	.2474077+01	.6265627+01	
29	-.1317474+01	.2474077+01	.6265627+01	
30	-.1317474+01	.2474077+01	.6265627+01	
31	-.1317474+01	.2474077+01	.6265627+01	
32	-.1317474+01	.2474077+01	.6265627+01	
33	-.1317474+01	.2474077+01	.6265627+01	
34	-.1317474+01	.2474077+01	.6265627+01	
35	-.1317474+01	.2474077+01	.6265627+01	
36	-.1317474+01	.2474077+01	.6265627+01	
37	-.1317474+01	.2474077+01	.6265627+01	
38	-.1317474+01	.2474077+01	.6265627+01	
39	-.1317474+01	.2474077+01	.6265627+01	
40	-.1317474+01	.2474077+01	.6265627+01	
41	-.1317474+01	.2474077+01	.6265627+01	
42	-.1317474+01	.2474077+01	.6265627+01	
43	-.1317474+01	.2474077+01	.6265627+01	
44	-.1317474+01	.2474077+01	.6265627+01	
45	-.1317474+01	.2474077+01	.6265627+01	
46	-.1317474+01	.2474077+01	.6265627+01	
47	-.1317474+01	.2474077+01	.6265627+01	
48	-.1317474+01	.2474077+01	.6265627+01	
49	-.1317474+01	.2474077+01	.6265627+01	
50	-.1317474+01	.2474077+01	.6265627+01	
51	-.1317474+01	.2474077+01	.6265627+01	
52	-.1317474+01	.2474077+01	.6265627+01	
53	-.1317474+01	.2474077+01	.6265627+01	
54	-.1317474+01	.2474077+01	.6265627+01	
55	-.1317474+01	.2474077+01	.6265627+01	
56	-.1317474+01	.2474077+01	.6265627+01	
57	-.1317474+01	.2474077+01	.6265627+01	
58	-.1317474+01	.2474077+01	.6265627+01	
59	-.1317474+01	.2474077+01	.6265627+01	
60	-.1317474+01	.2474077+01	.6265627+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: VIOLENT CRIME, NATIVE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.26723+01
2	AUTOREGRESSIVE 1	1	.87962-01
3	AUTOREGRESSIVE 1	2	.23875+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1. FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.6506749+00	.2779380+01	.6209436+01	
2	-.6833253+00	.2759974+01	.6203274+01	
3	-.8399816+00	.2705595+01	.6251171+01	
4	-.8524193+00	.2696176+01	.6244776+01	
5	-.8727214+00	.2682367+01	.6237455+01	
6	-.8765922+00	.2678904+01	.6234400+01	
7	-.8806352+00	.2675302+01	.6231239+01	
8	-.8818233+00	.2674158+01	.6230140+01	
9	-.8828152+00	.2673196+01	.6229210+01	
10	-.8831771+00	.2672840+01	.6228857+01	
11	-.8834402+00	.2672579+01	.6228599+01	
12	-.8835489+00	.2672471+01	.6228491+01	
13	-.8836208+00	.2672399+01	.6228419+01	
14	-.8836530+00	.2672367+01	.6228387+01	
15	-.8836730+00	.2672347+01	.6228367+01	
16	-.8836824+00	.2672336+01	.6228358+01	
17	-.8836880+00	.2672332+01	.6228352+01	
18	-.8836908+00	.2672329+01	.6228349+01	
19	-.8836924+00	.2672328+01	.6228348+01	
20	-.8836932+00	.2672327+01	.6228347+01	
21	-.8836936+00	.2672326+01	.6228346+01	
22	-.8836938+00	.2672326+01	.6228346+01	
23	-.8836940+00	.2672326+01	.6228346+01	
24	-.8836940+00	.2672326+01	.6228346+01	
25	-.8836941+00	.2672326+01	.6228346+01	
26	-.8836941+00	.2672326+01	.6228346+01	
27	-.8836941+00	.2672326+01	.6228346+01	
28	-.8836941+00	.2672326+01	.6228346+01	
29	-.8836941+00	.2672326+01	.6228346+01	
30	-.8836941+00	.2672326+01	.6228346+01	
31	-.8836941+00	.2672326+01	.6228346+01	
32	-.8836941+00	.2672326+01	.6228346+01	
33	-.8836941+00	.2672326+01	.6228346+01	
34	-.8836941+00	.2672326+01	.6228346+01	
35	-.8836941+00	.2672326+01	.6228346+01	
36	-.8836941+00	.2672326+01	.6228346+01	
37	-.8836941+00	.2672326+01	.6228346+01	
38	-.8836941+00	.2672326+01	.6228346+01	
39	-.8836941+00	.2672326+01	.6228346+01	
40	-.8836941+00	.2672326+01	.6228346+01	
41	-.8836941+00	.2672326+01	.6228346+01	
42	-.8836941+00	.2672326+01	.6228346+01	
43	-.8836941+00	.2672326+01	.6228346+01	
44	-.8836941+00	.2672326+01	.6228346+01	
45	-.8836941+00	.2672326+01	.6228346+01	
46	-.8836941+00	.2672326+01	.6228346+01	
47	-.8836941+00	.2672326+01	.6228346+01	
48	-.8836941+00	.2672326+01	.6228346+01	
49	-.8836941+00	.2672326+01	.6228346+01	
50	-.8836941+00	.2672326+01	.6228346+01	
51	-.8836941+00	.2672326+01	.6228346+01	
52	-.8836941+00	.2672326+01	.6228346+01	
53	-.8836941+00	.2672326+01	.6228346+01	
54	-.8836941+00	.2672326+01	.6228346+01	
55	-.8836941+00	.2672326+01	.6228346+01	
56	-.8836941+00	.2672326+01	.6228346+01	
57	-.8836941+00	.2672326+01	.6228346+01	
58	-.8836941+00	.2672326+01	.6228346+01	
59	-.8836941+00	.2672326+01	.6228346+01	
60	-.8836941+00	.2672326+01	.6228346+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: OVER EIGHTEEN VIOLENT CRIME 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.53141+01
2	AUTOREGRESSIVE 1	1	.21291+00
3	AUTOREGRESSIVE 1	2	.31619+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.2102466+01	.4509167+01	.1112080+02	
2	-.2665013+01	.4094813+01	.1085464+02	
3	-.2370002+01	.4799971+01	.1196994+02	
4	-.2414072+01	.4819090+01	.1205225+02	
5	-.2250318+01	.5046125+01	.1234257+02	
6	-.2213446+01	.5100507+01	.1241446+02	
7	-.2141613+01	.5183873+01	.1250936+02	
8	-.2110845+01	.5218817+01	.1254848+02	
9	-.2079320+01	.5252616+01	.1258455+02	
10	-.2062010+01	.5270861+01	.1260373+02	
11	-.2047904+01	.5285433+01	.1261877+02	
12	-.2039236+01	.5294304+01	.1262785+02	
13	-.2032837+01	.5300801+01	.1263449+02	
14	-.2028693+01	.5304989+01	.1263867+02	
15	-.2025768+01	.5307934+01	.1264164+02	
16	-.2023826+01	.5309886+01	.1264360+02	
17	-.2022483+01	.5311233+01	.1264495+02	
18	-.2021581+01	.5312137+01	.1264585+02	
19	-.2020964+01	.5312755+01	.1264647+02	
20	-.2020547+01	.5313172+01	.1264689+02	
21	-.2020263+01	.5313457+01	.1264718+02	
22	-.2020070+01	.5313649+01	.1264737+02	
23	-.2019939+01	.5313780+01	.1264750+02	
24	-.2019851+01	.5313869+01	.1264759+02	
25	-.2019790+01	.5313929+01	.1264765+02	
26	-.2019749+01	.5313970+01	.1264769+02	
27	-.2019722+01	.5313998+01	.1264772+02	
28	-.2019703+01	.5314017+01	.1264774+02	
29	-.2019690+01	.5314029+01	.1264775+02	
30	-.2019681+01	.5314038+01	.1264776+02	
31	-.2019675+01	.5314044+01	.1264776+02	
32	-.2019671+01	.5314048+01	.1264777+02	
33	-.2019669+01	.5314051+01	.1264777+02	
34	-.2019667+01	.5314053+01	.1264777+02	
35	-.2019666+01	.5314054+01	.1264777+02	
36	-.2019665+01	.5314055+01	.1264777+02	
37	-.2019664+01	.5314055+01	.1264777+02	
38	-.2019664+01	.5314056+01	.1264777+02	
39	-.2019664+01	.5314056+01	.1264778+02	
40	-.2019663+01	.5314056+01	.1264778+02	
41	-.2019663+01	.5314056+01	.1264778+02	
42	-.2019663+01	.5314056+01	.1264778+02	
43	-.2019663+01	.5314056+01	.1264778+02	
44	-.2019663+01	.5314056+01	.1264778+02	
45	-.2019663+01	.5314056+01	.1264778+02	
46	-.2019663+01	.5314056+01	.1264778+02	
47	-.2019663+01	.5314056+01	.1264778+02	
48	-.2019663+01	.5314056+01	.1264778+02	
49	-.2019663+01	.5314056+01	.1264778+02	
50	-.2019663+01	.5314056+01	.1264778+02	
51	-.2019663+01	.5314056+01	.1264778+02	
52	-.2019663+01	.5314056+01	.1264778+02	
53	-.2019663+01	.5314056+01	.1264778+02	
54	-.2019663+01	.5314056+01	.1264778+02	
55	-.2019663+01	.5314056+01	.1264778+02	
56	-.2019663+01	.5314056+01	.1264778+02	
57	-.2019663+01	.5314056+01	.1264778+02	
58	-.2019663+01	.5314056+01	.1264778+02	
59	-.2019663+01	.5314056+01	.1264778+02	
60	-.2019663+01	.5314056+01	.1264778+02	
61	-.2019663+01	.5314056+01	.1264778+02	

```
TIME SERIES FORECASTING FOR MODEL  1
*************************************************************************************************
DATA -   Z = ALASKA #4:  UNDER EIGHTEEN VIOLENT CRIME                                  83 OBSERVATIONS
DIFFERENCING ON   Z - NONE
TRANSFORMATIONS EXAMINED - NONE
*************************************************************************************************
UNIVARIATE MODEL PARAMETERS
*************************************************************************************************
PARAMETER          PARAMETER          PARAMETER        BEGINNING
 NUMBER              TYPE               ORDER            VALUE
*************************************************************************************************
    1              MEAN                                 .57831+00
*************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =        1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =     61
FORECAST TIME ORIGINS ARE T=                  83
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
```

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1610262+01	.5783135+00	.2766889+01	
2	-.1610262+01	.5783135+00	.2766889+01	
3	-.1610262+01	.5783135+00	.2766889+01	
4	-.1610262+01	.5783135+00	.2766889+01	
5	-.1610262+01	.5783135+00	.2766889+01	
6	-.1610262+01	.5783135+00	.2766889+01	
7	-.1610262+01	.5783135+00	.2766889+01	
8	-.1610262+01	.5783135+00	.2766889+01	
9	-.1610262+01	.5783135+00	.2766889+01	
10	-.1610262+01	.5783135+00	.2766889+01	
11	-.1610262+01	.5783135+00	.2766889+01	
12	-.1610262+01	.5783135+00	.2766889+01	
13	-.1610262+01	.5783135+00	.2766889+01	
14	-.1610262+01	.5783135+00	.2766889+01	
15	-.1610262+01	.5783135+00	.2766889+01	
16	-.1610262+01	.5783135+00	.2766889+01	
17	-.1610262+01	.5783135+00	.2766889+01	
18	-.1610262+01	.5783135+00	.2766889+01	
19	-.1610262+01	.5783135+00	.2766889+01	
20	-.1610262+01	.5783135+00	.2766889+01	
21	-.1610262+01	.5783135+00	.2766889+01	
22	-.1610262+01	.5783135+00	.2766889+01	
23	-.1610262+01	.5783135+00	.2766889+01	
24	-.1610262+01	.5783135+00	.2766889+01	
25	-.1610262+01	.5783135+00	.2766889+01	
26	-.1610262+01	.5783135+00	.2766889+01	
27	-.1610262+01	.5783135+00	.2766889+01	
28	-.1610262+01	.5783135+00	.2766889+01	
29	-.1610262+01	.5783135+00	.2766889+01	
30	-.1610262+01	.5783135+00	.2766889+01	
31	-.1610262+01	.5783135+00	.2766889+01	
32	-.1610262+01	.5783135+00	.2766889+01	
33	-.1610262+01	.5783135+00	.2766889+01	
34	-.1610262+01	.5783135+00	.2766889+01	
35	-.1610262+01	.5783135+00	.2766889+01	
36	-.1610262+01	.5783135+00	.2766889+01	
37	-.1610262+01	.5783135+00	.2766889+01	
38	-.1610262+01	.5783135+00	.2766889+01	
39	-.1610262+01	.5783135+00	.2766889+01	
40	-.1610262+01	.5783135+00	.2766889+01	
41	-.1610262+01	.5783135+00	.2766889+01	
42	-.1610262+01	.5783135+00	.2766889+01	
43	-.1610262+01	.5783135+00	.2766889+01	
44	-.1610262+01	.5783135+00	.2766889+01	
45	-.1610262+01	.5783135+00	.2766889+01	
46	-.1610262+01	.5783135+00	.2766889+01	
47	-.1610262+01	.5783135+00	.2766889+01	
48	-.1610262+01	.5783135+00	.2766889+01	
49	-.1610262+01	.5783135+00	.2766889+01	
50	-.1610262+01	.5783135+00	.2766889+01	
51	-.1610262+01	.5783135+00	.2766889+01	
52	-.1610262+01	.5783135+00	.2766889+01	
53	-.1610262+01	.5783135+00	.2766889+01	
54	-.1610262+01	.5783135+00	.2766889+01	
55	-.1610262+01	.5783135+00	.2766889+01	
56	-.1610262+01	.5783135+00	.2766889+01	
57	-.1610262+01	.5783135+00	.2766889+01	
58	-.1610262+01	.5783135+00	.2766889+01	
59	-.1610262+01	.5783135+00	.2766889+01	
60	-.1610262+01	.5783135+00	.2766889+01	
61	-.1610262+01	.5783135+00	.2766889+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: NATIVES ARRESTED FOR VIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.58181+02
2	AUTOREGRESSIVE 1	1	.33434+00
3	AUTOREGRESSIVE 1	2	.31216+00
4	AUTOREGRESSIVE 1	3	.35337+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1920146+01	.1048657+01	.4017459+01	
2	-.2459991+01	.6703453+00	.3800681+01	
3	-.2461461+01	.9124217+00	.4286305+01	
4	-.2922060+01	.8924561+00	.4706972+01	
5	-.3214930+01	.8276634+00	.4870257+01	
6	-.3408746+01	.8853111+00	.5179369+01	
7	-.3681477+01	.8773041+00	.5436085+01	
8	-.3910128+01	.8697267+00	.5649581+01	
9	-.4115700+01	.8850646+00	.5885829+01	
10	-.4330443+01	.8849974+00	.6100438+01	
11	-.4529320+01	.8870854+00	.6303491+01	
12	-.4719267+01	.8931823+00	.6505632+01	
13	-.4906229+01	.8958488+00	.6697927+01	
14	-.5085387+01	.8993816+00	.6884150+01	
15	-.5258984+01	.9035497+00	.7066084+01	
16	-.5428276+01	.9069881+00	.7242252+01	
17	-.5592546+01	.9106874+00	.7413920+01	
18	-.5752589+01	.9144702+00	.7581630+01	
19	-.5908811+01	.9181051+00	.7745022+01	
20	-.6061262+01	.9218082+00	.7904879+01	
21	-.6210293+01	.9255180+00	.8061329+01	
22	-.6356126+01	.9291987+00	.8214523+01	
23	-.6498913+01	.9328957+00	.8364704+01	
24	-.6638855+01	.9365916+00	.8512039+01	
25	-.6776110+01	.9402823+00	.8656675+01	
26	-.6910814+01	.9439764+00	.8798767+01	
27	-.7043106+01	.9476695+00	.8938445+01	
28	-.7173106+01	.9513617+00	.9075829+01	
29	-.7300924+01	.9550538+00	.9211032+01	
30	-.7426664+01	.9587460+00	.9344156+01	
31	-.7550420+01	.9624376+00	.9475295+01	
32	-.7672279+01	.9661293+00	.9604538+01	
33	-.7792324+01	.9698210+00	.9731966+01	
34	-.7910632+01	.9735117+00	.9857655+01	
35	-.8027270+01	.9772029+00	.9981676+01	
36	-.8142307+01	.9808936+00	.1010409+02	
37	-.8255804+01	.9845839+00	.1022497+02	
38	-.8367818+01	.9882741+00	.1034437+02	
39	-.8478405+01	.9919643+00	.1046233+02	
40	-.8587615+01	.9956536+00	.1057892+02	
41	-.8695495+01	.9993434+00	.1069418+02	
42	-.8802093+01	.1003033+01	.1080816+02	
43	-.8907450+01	.1006721+01	.1092089+02	
44	-.9011607+01	.1010410+01	.1103243+02	
45	-.9114603+01	.1014099+01	.1114280+02	
46	-.9216473+01	.1017787+01	.1125205+02	
47	-.9317252+01	.1021475+01	.1136020+02	
48	-.9416973+01	.1025163+01	.1146730+02	
49	-.9515667+01	.1028851+01	.1157337+02	
50	-.9613363+01	.1032538+01	.1167844+02	
51	-.9710091+01	.1036225+01	.1178254+02	
52	-.9805877+01	.1039912+01	.1188570+02	
53	-.9900745+01	.1043599+01	.1198794+02	
54	-.9994723+01	.1047285+01	.1208929+02	
55	-.1008783+02	.1050971+01	.1218977+02	
56	-.1018009+02	.1054657+01	.1228941+02	
57	-.1027153+02	.1058342+01	.1238822+02	
58	-.1036217+02	.1062028+01	.1248622+02	
59	-.1045202+02	.1065713+01	.1258344+02	
60	-.1054110+02	.1069398+01	.1267990+02	
61	-.1062944+02	.1073083+01	.1277560+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: OVER EIGHTEEN VIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.19639+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.9472531+00	.1963854+01	.4874962+01	
2	-.9472531+00	.1963854+01	.4874962+01	
3	-.9472531+00	.1963854+01	.4874962+01	
4	-.9472531+00	.1963854+01	.4874962+01	
5	-.9472531+00	.1963854+01	.4874962+01	
6	-.9472531+00	.1963854+01	.4874962+01	
7	-.9472531+00	.1963854+01	.4874962+01	
8	-.9472531+00	.1963854+01	.4874962+01	
9	-.9472531+00	.1963854+01	.4874962+01	
10	-.9472531+00	.1963854+01	.4874962+01	
11	-.9472531+00	.1963854+01	.4874962+01	
12	-.9472531+00	.1963854+01	.4874962+01	
13	-.9472531+00	.1963854+01	.4874962+01	
14	-.9472531+00	.1963854+01	.4874962+01	
15	-.9472531+00	.1963854+01	.4874962+01	
16	-.9472531+00	.1963854+01	.4874962+01	
17	-.9472531+00	.1963854+01	.4874962+01	
18	-.9472531+00	.1963854+01	.4874962+01	
19	-.9472531+00	.1963854+01	.4874962+01	
20	-.9472531+00	.1963854+01	.4874962+01	
21	-.9472531+00	.1963854+01	.4874962+01	
22	-.9472531+00	.1963854+01	.4874962+01	
23	-.9472531+00	.1963854+01	.4874962+01	
24	-.9472531+00	.1963854+01	.4874962+01	
25	-.9472531+00	.1963854+01	.4874962+01	
26	-.9472531+00	.1963854+01	.4874962+01	
27	-.9472531+00	.1963854+01	.4874962+01	
28	-.9472531+00	.1963854+01	.4874962+01	
29	-.9472531+00	.1963854+01	.4874962+01	
30	-.9472531+00	.1963854+01	.4874962+01	
31	-.9472531+00	.1963854+01	.4874962+01	
32	-.9472531+00	.1963854+01	.4874962+01	
33	-.9472531+00	.1963854+01	.4874962+01	
34	-.9472531+00	.1963854+01	.4874962+01	
35	-.9472531+00	.1963854+01	.4874962+01	
36	-.9472531+00	.1963854+01	.4874962+01	
37	-.9472531+00	.1963854+01	.4874962+01	
38	-.9472531+00	.1963854+01	.4874962+01	
39	-.9472531+00	.1963854+01	.4874962+01	
40	-.9472531+00	.1963854+01	.4874962+01	
41	-.9472531+00	.1963854+01	.4874962+01	
42	-.9472531+00	.1963854+01	.4874962+01	
43	-.9472531+00	.1963854+01	.4874962+01	
44	-.9472531+00	.1963854+01	.4874962+01	
45	-.9472531+00	.1963854+01	.4874962+01	
46	-.9472531+00	.1963854+01	.4874962+01	
47	-.9472531+00	.1963854+01	.4874962+01	
48	-.9472531+00	.1963854+01	.4874962+01	
49	-.9472531+00	.1963854+01	.4874962+01	
50	-.9472531+00	.1963854+01	.4874962+01	
51	-.9472531+00	.1963854+01	.4874962+01	
52	-.9472531+00	.1963854+01	.4874962+01	
53	-.9472531+00	.1963854+01	.4874962+01	
54	-.9472531+00	.1963854+01	.4874962+01	
55	-.9472531+00	.1963854+01	.4874962+01	
56	-.9472531+00	.1963854+01	.4874962+01	
57	-.9472531+00	.1963854+01	.4874962+01	
58	-.9472531+00	.1963854+01	.4874962+01	
59	-.9472531+00	.1963854+01	.4874962+01	
60	-.9472531+00	.1963854+01	.4874962+01	
61	-.9472531+00	.1963854+01	.4874962+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: UNDER EIGHTEEN VIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z = NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.32118+00
2	MOVING AVERAGE 1	3	-.40351+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1420792+01	.2288854+00	.1878562+01	
2	-.1746175+01	-.9649754-01	.1553179+01	
3	-.1421671+01	.2260062+00	.1877683+01	
4	-.1457737+01	.3211784+00	.2100094+01	
5	-.1457737+01	.3211784+00	.2100094+01	
6	-.1457737+01	.3211784+00	.2100094+01	
7	-.1457737+01	.3211784+00	.2100094+01	
8	-.1457737+01	.3211784+00	.2100094+01	
9	-.1457737+01	.3211784+00	.2100094+01	
10	-.1457737+01	.3211784+00	.2100094+01	
11	-.1457737+01	.3211784+00	.2100094+01	
12	-.1457737+01	.3211784+00	.2100094+01	
13	-.1457737+01	.3211784+00	.2100094+01	
14	-.1457737+01	.3211784+00	.2100094+01	
15	-.1457737+01	.3211784+00	.2100094+01	
16	-.1457737+01	.3211784+00	.2100094+01	
17	-.1457737+01	.3211784+00	.2100094+01	
18	-.1457737+01	.3211784+00	.2100094+01	
19	-.1457737+01	.3211784+00	.2100094+01	
20	-.1457737+01	.3211784+00	.2100094+01	
21	-.1457737+01	.3211784+00	.2100094+01	
22	-.1457737+01	.3211784+00	.2100094+01	
23	-.1457737+01	.3211784+00	.2100094+01	
24	-.1457737+01	.3211784+00	.2100094+01	
25	-.145773,+01	.3211784+00	.2100094+01	
26	-.1457737+01	.3211784+00	.2100094+01	
27	-.1457737+01	.3211784+00	.2100094+01	
28	-.1457737+01	.3211784+00	.2100094+01	
29	-.1457737+01	.3211784+00	.2100094+01	
30	-.1457737+01	.3211784+00	.2100094+01	
31	-.1457737+01	.3211784+00	.2100094+01	
32	-.1457737+01	.3211784+00	.2100094+01	
33	-.1457737+01	.3211784+00	.2100094+01	
34	-.1457737+01	.3211784+00	.2100094+01	
35	-.1457737+01	.3211784+00	.2100094+01	
36	-.1457737+01	.3211784+00	.2100094+01	
37	-.1457737+01	.3211784+00	.2100094+01	
38	-.1457737+01	.3211784+00	.2100094+01	
39	-.1457737+01	.3211784+00	.2100094+01	
40	-.1457737+01	.3211784+00	.2100094+01	
41	-.1457737+01	.3211784+00	.2100094+01	
42	-.1457737+01	.3211784+00	.2100094+01	
43	-.1457737+01	.3211784+00	.2100094+01	
44	-.1457737+01	.3211784+00	.2100094+01	
45	-.1457737+01	.3211784+00	.2100094+01	
46	-.1457737+01	.3211784+00	.2100094+01	
47	-.1457737+01	.3211784+00	.2100094+01	
48	-.1457737+01	.3211784+00	.2100094+01	
49	-.1457737+01	.3211784+00	.2100094+01	
50	-.1457737+01	.3211784+00	.2100094+01	
51	-.1457737+01	.3211784+00	.2100094+01	
52	-.1457737+01	.3211784+00	.2100094+01	
53	-.1457737+01	.3211784+00	.2100094+01	
54	-.1457737+01	.3211784+00	.2100094+01	
55	-.1457737+01	.3211784+00	.2100094+01	
56	-.1457737+01	.3211784+00	.2100094+01	
57	-.1457737+01	.3211784+00	.2100094+01	
58	-.1457737+01	.3211784+00	.2100094+01	
59	-.1457737+01	.3211784+00	.2100094+01	
60	-.1457737+01	.3211784+00	.2100094+01	
61	-.1457737+01	.3211784+00	.2100094+01	

TIME SERIES FORECASTING FOR MODEL I

****

DATA - Z = ALASKA #6: NATIVES ARRESTED FOR VIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE

****

1	MEAN		.13133+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1474241+01	.1313253+01	.4100747+01	
2	-.1474241+01	.1313253+01	.4100747+01	
3	-.1474241+01	.1313253+01	.4100747+01	
4	-.1474241+01	.1313253+01	.4100747+01	
5	-.1474241+01	.1313253+01	.4100747+01	
6	-.1474241+01	.1313253+01	.4100747+01	
7	-.1474241+01	.1313253+01	.4100747+01	
8	-.1474241+01	.1313253+01	.4100747+01	
9	-.1474241+01	.1313253+01	.4100747+01	
10	-.1474241+01	.1313253+01	.4100747+01	
11	-.1474241+01	.1313253+01	.4100747+01	
12	-.1474241+01	.1313253+01	.4100747+01	
13	-.1474241+01	.1313253+01	.4100747+01	
14	-.1474241+01	.1313253+01	.4100747+01	
15	-.1474241+01	.1313253+01	.4100747+01	
16	-.1474241+01	.1313253+01	.4100747+01	
17	-.1474241+01	.1313253+01	.4100747+01	
18	-.1474241+01	.1313253+01	.4100747+01	
19	-.1474241+01	.1313253+01	.4100747+01	
20	-.1474241+01	.1313253+01	.4100747+01	
21	-.1474241+01	.1313253+01	.4100747+01	
22	-.1474241+01	.1313253+01	.4100747+01	
23	-.1474241+01	.1313253+01	.4100747+01	
24	-.1474241+01	.1313253+01	.4100747+01	
25	-.1474241+01	.1313253+01	.4100747+01	
26	-.1474241+01	.1313253+01	.4100747+01	
27	-.1474241+01	.1313253+01	.4100747+01	
28	-.1474241+01	.1313253+01	.4100747+01	
29	-.1474241+01	.1313253+01	.4100747+01	
30	-.1474241+01	.1313253+01	.4100747+01	
31	-.1474241+01	.1313253+01	.4100747+01	
32	-.1474241+01	.1313253+01	.4100747+01	
33	-.1474241+01	.1313253+01	.4100747+01	
34	-.1474241+01	.1313253+01	.4100747+01	
35	-.1474241+01	.1313253+01	.4100747+01	
36	-.1474241+01	.1313253+01	.4100747+01	
37	-.1474241+01	.1313253+01	.4100747+01	
38	-.1474241+01	.1313253+01	.4100747+01	
39	-.1474241+01	.1313253+01	.4100747+01	
40	-.1474241+01	.1313253+01	.4100747+01	
41	-.1474241+01	.1313253+01	.4100747+01	
42	-.1474241+01	.1313253+01	.4100747+01	
43	-.1474241+01	.1313253+01	.4100747+01	
44	-.1474241+01	.1313253+01	.4100747+01	
45	-.1474241+01	.1313253+01	.4100747+01	
46	-.1474241+01	.1313253+01	.4100747+01	
47	-.1474241+01	.1313253+01	.4100747+01	
48	-.1474241+01	.1313253+01	.4100747+01	
49	-.1474241+01	.1313253+01	.4100747+01	
50	-.1474241+01	.1313253+01	.4100747+01	
51	-.1474241+01	.1313253+01	.4100747+01	
52	-.1474241+01	.1313253+01	.4100747+01	
53	-.1474241+01	.1313253+01	.4100747+01	
54	-.1474241+01	.1313253+01	.4100747+01	
55	-.1474241+01	.1313253+01	.4100747+01	
56	-.1474241+01	.1313253+01	.4100747+01	
57	-.1474241+01	.1313253+01	.4100747+01	
58	-.1474241+01	.1313253+01	.4100747+01	
59	-.1474241+01	.1313253+01	.4100747+01	
60	-.1474241+01	.1313253+01	.4100747+01	
61	-.1474241+01	.1313253+01	.4100747+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: VIOLENT CRIME, UNDER 18 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.44312*01
2	MOVING_AVERAGE 1	17	.28633*00
3	MOVING AVERAGE 1	20	-.44776*00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6685305-01	.4248205+01	.8429557+01	
2	-.9080009+00	.3273351+01	.7454703+01	
3	.1233529+01	.5414882+01	.9596234+01	
4	-.6473493+00	.3534003+01	.7715355+01	
5	.8359784-01	.4264950+01	.8446302+01	
6	-.7621057+00	.3419246+01	.7600599+01	
7	.5908825+00	.4772235+01	.8953587+01	
8	.2684177+00	.4449770+01	.8631122+01	
9	.1367162+00	.4318068+01	.8499421+01	
10	.1045901+01	.5227253+01	.9408605+01	
11	-.9900818+00	.3191270+01	.7372623+01	
12	-.1926962+01	.2254390+01	.6435742+01	
13	.3741552+00	.4555507+01	.8736860+01	
14	.1962807+00	.4377633+01	.6558985+01	
15	.3209975+01	.7391327+01	.1157268+02	
16	.3075839+00	.4488936+01	.8670288+01	
17	.1208622+01	.5389974+01	.9571326+01	
18	-.5871895+00	.3762189+01	.8111667+01	
19	-.1223305+01	.3126074+01	.7475452+01	
20	.1856580+01	.6205958+01	.1055534+02	
21	-.3040002+00	.4431222+01	.9166444+01	
22	-.3040002+00	.4431222+01	.9166444+01	
23	-.3040002+00	.4431222+01	.9166444+01	
24	-.3040002+00	.4431222+01	.9166444+01	
25	-.3040002+00	.4431222+01	.9166444+01	
26	-.3040002+00	.4431222+01	.9166444+01	
27	-.3040002+00	.4431222+01	.9166444+01	
28	-.3040002+00	.4431222+01	.9166444+01	
29	-.3040002+00	.4431222+01	.9166444+01	
30	-.3040002+00	.4431222+01	.9166444+01	
31	-.3040002+00	.4431222+01	.9166444+01	
32	-.3040002+00	.4431222+01	.9166444+01	
33	-.3040002+00	.4431222+01	.9166444+01	
34	-.3040002+00	.4431222+01	.9166444+01	
35	-.3040002+00	.4431222+01	.9166444+01	
36	-.3040002+00	.4431222+01	.9166444+01	
37	-.3040002+00	.4431222+01	.9166444+01	
38	-.3040002+00	.4431222+01	.9166444+01	
39	-.3040002+00	.4431222+01	.9166444+01	
40	-.3040002+00	.4431222+01	.9166444+01	
41	-.3040002+00	.4431222+01	.9166444+01	
42	-.3040002+00	.4431222+01	.9166444+01	
43	-.3040002+00	.4431222+01	.9166444+01	
44	-.3040002+00	.4431222+01	.9166444+01	
45	-.3040002+00	.4431222+01	.9166444+01	
46	-.3040002+00	.4431222+01	.9166444+01	
47	-.3040002+00	.4431222+01	.9166444+01	
48	-.3040002+00	.4431222+01	.9166444+01	
49	-.3040002+00	.4431222+01	.9166444+01	
50	-.3040002+00	.4431222+01	.9166444+01	
51	-.3040002+00	.4431222+01	.9166444+01	
52	-.3040002+00	.4431222+01	.9166444+01	
53	-.3040002+00	.4431222+01	.9166444+01	
54	-.3040002+00	.4431222+01	.9166444+01	
55	-.3040002+00	.4431222+01	.9166444+01	
56	-.3040002+00	.4431222+01	.9166444+01	
57	-.3040002+00	.4431222+01	.9166444+01	
58	-.3040002+00	.4431222+01	.9166444+01	
59	-.3040002+00	.4431222+01	.9166444+01	
60	-.3040002+00	.4431222+01	.9166444+01	
61	-.3040002+00	.4431222+01	.9166444+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: VIOLENT CRIME, NATIVE 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.18071+02
2	AUTOREGRESSIVE 1	1	.11780+00
3	AUTOREGRESSIVE 1	2	.19475+00
4	AUTOREGRESSIVE 1	3	.28592+00
5	MOVING AVERAGE 1	6	.20895+00
6	MOVING AVERAGE 1	13	-.39255+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2808674+C1	.1619295+02	.2957722+C2	
2	.3202723+C1	.1667954+02	.3015635+02	
3	.7875071+01	.2163811+02	.3540114+G2	
4	.1671783+C1	.1614028+02	.3C60878+G2	
5	.4890382+01	.1943853+02	.3398668+C2	
6	.1140652+01	.1580552+02	.3047039+L2	
7	.2804546+C0	.1497986+02	.2967927+02	
8	.3972126+01	.1868705+02	.3340198+L2	
9	.2378730+01	.1709941+02	.3182009+C2	
10	.6777239+G1	.2149831+02	.3621939+L2	
11	.5022169+01	.1974555+02	.3446893+C2	
12	.4959617+G0	.1521989+G2	.2994382+02	
13	.3939792+01	.1866376+02	.3338774+02	
14	.2395833+01	.1806420+02	.3373256+02	
15	.1687411+C1	.1737028+02	.3305314+L2	
16	.2432720+G1	.1815644+02	.3388016+L2	
17	.2116461+C1	.1794248+02	.3376851+02	
18	.2033617+01	.1787198+02	.3371034+L2	
19	.2190801+01	.1804678+02	.3390276+02	
20	.2119993+C1	.1799247+02	.3386495+C2	
21	.2122197+01	.1799995+02	.3387771+G2	
22	.2157374+G1	.1804024+L2	.3392310+u2	
23	.2144536+01	.1803091+02	.3391729+02	
24	.2151686+C1	.1803980+02	.3392791+G2	
25	.2161076+G1	.1805055+G2	.3394002+C2	
26	.2160542+01	.1805088+02	.3394122+G2	
27	.2164706+01	.1805555+02	.3394640+L2	
28	.2168036+G1	.1805924+02	.3395045+02	
29	.2169249+01	.1806066+02	.3395211+U2	
30	.2171331+C1	.1806296+02	.3395448+G2	
31	.2172833+01	.1806450+02	.3395617+G2	
32	.2173806+C1	.1806553+02	.3395726+02	
33	.2174836+01	.1806660+02	.3395837+G2	
34	.2175594+01	.1806738+02	.3395918+G2	
35	.2176173+C1	.1806798+C2	.3395979+C2	
36	.2176691+01	.1806851+02	.3396033+G2	
37	.2177087+01	.1806891+02	.3396073+02	
38	.2177403+01	.1806923+02	.3396106+G2	
39	.2177667+G1	.1806950+02	.3396133+G2	
40	.2177875+C1	.1806971+G2	.3396154+C2	
41	.2178042+01	.1806986+02	.3396171+G2	
42	.2178178+01	.1807001+02	.3396185+U2	
43	.2178286+C1	.1807012+G2	.3396196+L2	
44	.2178373+01	.1807021+02	.3396204+02	
45	.2178444+01	.1807028+C2	.3396211+L2	
46	.2178500+01	.1807034+02	.3396217+L2	
47	.2178545+01	.1807038+02	.3396222+C2	
48	.2178582+01	.1807042+02	.3396225+G2	
49	.2178611+01	.1807045+C2	.3396228+L2	
50	.2178635+01	.1807047+G2	.3396231+G2	
51	.2178654+01	.1807049+02	.3396233+02	
52	.2178669+G1	.1807050+02	.3396234+C2	
53	.2178681+L1	.1807052+02	.3396235+G2	
54	.2178691+G1	.1807053+G2	.3396236+G2	
55	.2178699+01	.1807053+02	.3396237+G2	
56	.2178705+01	.1807054+02	.3396236+02	
57	.2178710+01	.1807055+02	.3396238+02	
58	.2178715+01	.1807055+02	.3396239+02	
59	.2178718+G1	.1807055+G2	.3396239+C2	
60	.2178720+C1	.1807056+G2	.3396239+02	
61	.2178722+01	.1807056+02	.3396239+02	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = ALASKA STATEWIDE: NONVIOLENT CRIMES, OVER 18 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.14336+03
2	AUTOREGRESSIVE 1	1	.41052+00
3	MOVING AVERAGE 1	3	-.15014+00
4	MOVING AVERAGE 1	7	-.28226+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8929885+02	.1311049+03	.1729109+03	
2	.9672342+02	.1419150+03	.1871067+03	
3	.1032322+03	.1489698+03	.1947073+03	
4	.9416120+02	.1408085+03	.1874556+03	
5	.9056706+02	.1373659+03	.1841648+03	
6	.8161236+02	.1284367+03	.1752611+03	
7	.9213826+02	.1389670+03	.1857956+03	
8	.9320084+02	.1415576+03	.1899144+03	
9	.9401157+02	.1426212+03	.1912307+03	
10	.9440569+02	.1430576+03	.1917098+03	
11	.9457777+02	.1432370+03	.1918962+03	
12	.9465014+02	.1433106+03	.1919710+03	
13	.9468614+02	.1433408+03	.1920014+03	
14	.9469251+02	.1433532+03	.1920138+03	
15	.9469759+02	.1433583+03	.1920189+03	
16	.9469968+02	.1433603+03	.1920210+03	
17	.9470054+02	.1433612+03	.1920219+03	
18	.9470089+02	.1433616+03	.1920222+03	
19	.9470104+02	.1433617+03	.1920224+03	
20	.9470110+02	.1433616+03	.1920224+03	
21	.9470112+02	.1433618+03	.1920224+03	
22	.9470113+02	.1433616+03	.1920225+03	
23	.9470113+02	.1433618+03	.1920225+03	
24	.9470114+02	.1433618+03	.1920225+03	
25	.9470114+02	.1433616+03	.1920225+03	
26	.9470114+02	.1433618+03	.1920225+03	
27	.9470114+02	.1433618+03	.1920225+03	
28	.9470114+02	.1433616+03	.1920225+03	
29	.9470114+02	.1433616+03	.1920225+03	
30	.9470114+02	.1433618+03	.1920225+03	
31	.9470114+02	.1433618+03	.1920225+03	
32	.9470114+02	.1433618+03	.1920225+03	
33	.9470114+02	.1433618+03	.1920225+03	
34	.9470114+02	.1433618+03	.1920225+03	
35	.9470114+02	.1433618+03	.1920225+03	
36	.9470114+02	.1433618+03	.1920225+03	
37	.9470114+02	.1433618+03	.1920225+03	
38	.9470114+02	.1433618+03	.1920225+03	
39	.9470114+02	.1433616+03	.1920225+03	
40	.9470114+02	.1433616+03	.1920225+03	
41	.9470114+02	.1433616+03	.1920225+03	
42	.9470114+02	.1433618+03	.1920225+03	
43	.9470114+02	.1433616+03	.1920225+03	
44	.9470114+02	.1433616+03	.1920225+03	
45	.9470114+02	.1433618+03	.1920225+03	
46	.9470114+02	.1433616+03	.1920225+03	
47	.9470114+02	.1433618+03	.1920225+03	
48	.9470114+02	.1433618+03	.1920225+03	
49	.9470114+02	.1433616+03	.1920225+03	
50	.9470114+02	.1433616+03	.1920225+03	
51	.9470114+02	.1433618+03	.1920225+03	
52	.9470114+02	.1433616+03	.1920225+03	
53	.9470114+02	.1433616+03	.1920225+03	
54	.9470114+02	.1433616+03	.1920225+03	
55	.9470114+02	.1433618+03	.1920225+03	
56	.9470114+02	.1433616+03	.1920225+03	
57	.9470114+02	.1433616+03	.1920225+03	
58	.9470114+02	.1433616+03	.1920225+03	
59	.9470114+02	.1433618+03	.1920225+03	
60	.9470114+02	.1433616+03	.1920225+03	
61	.9470114+02	.1433616+03	.1920225+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA STATEWIDE: UNDER EIGHTEEN NONVIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

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PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11779+04
2	AUTOREGRESSIVE 1	1	.21627+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.0615211+C2	.1150043+C4	.1438566+C4	
2	.0767036+C3	.1171896+C4	.1467089+C4	
3	.0811215+C3	.1176623+C4	.1472124+C4	
4	.0821292+C3	.1177645+C4	.1473160+C4	
5	.0823496+C3	.1177866+C4	.1473382+C4	
6	.0823974+C3	.1177914+C4	.1473430+C4	
7	.0824077+C3	.1177924+C4	.1473440+C4	
8	.0824099+C3	.1177926+C4	.1473443+C4	
9	.0824104+C3	.1177927+C4	.1473443+C4	
10	.0824105+C3	.1177927+C4	.1473443+C4	
11	.0824106+C3	.1177927+C4	.1473443+C4	
12	.0824106+C3	.1177927+C4	.1473443+C4	
13	.0824106+C3	.1177927+C4	.1473443+C4	
14	.0824106+C3	.1177927+C4	.1473443+C4	
15	.0824106+C3	.1177927+C4	.1473443+C4	
16	.0824106+C3	.1177927+C4	.1473443+C4	
17	.0824106+C3	.1177927+C4	.1473443+C4	
18	.0824106+C3	.1177927+C4	.1473443+C4	
19	.0824106+C3	.1177927+C4	.1473443+C4	
20	.0824106+C3	.1177927+C4	.1473443+C4	
21	.0824106+C3	.1177927+C4	.1473443+C4	
22	.0824106+C3	.1177927+C4	.1473443+C4	
23	.0824106+C3	.1177927+C4	.1473443+C4	
24	.0824106+C3	.1177927+C4	.1473443+C4	
25	.0824106+C3	.1177927+C4	.1473443+C4	
26	.0824106+C3	.1177927+C4	.1473443+C4	
27	.0824106+C3	.1177927+C4	.1473443+C4	
28	.0824106+C3	.1177927+C4	.1473443+C4	
29	.0824106+C3	.1177927+C4	.1473443+C4	
30	.0824106+C3	.1177927+C4	.1473443+C4	
31	.0824106+C3	.1177927+C4	.1473443+C4	
32	.0824106+C3	.1177927+C4	.1473443+C4	
33	.0824106+C3	.1177927+C4	.1473443+C4	
34	.0824106+C3	.1177927+C4	.1473443+C4	
35	.0824106+C3	.1177927+C4	.1473443+C4	
36	.0824106+C3	.1177927+C4	.1473443+C4	
37	.0824106+C3	.1177927+C4	.1473443+C4	
38	.0824106+C3	.1177927+C4	.1473443+C4	
39	.0824106+C3	.1177927+C4	.1473443+C4	
40	.0824106+C3	.1177927+C4	.1473443+C4	
41	.0824106+C3	.1177927+C4	.1473443+C4	
42	.0824106+C3	.1177927+C4	.1473443+C4	
43	.0824106+C3	.1177927+C4	.1473443+C4	
44	.0824106+C3	.1177927+C4	.1473443+C4	
45	.0824106+C3	.1177927+C4	.1473443+C4	
46	.0824106+C3	.1177927+C4	.1473443+C4	
47	.0824106+C3	.1177927+C4	.1473443+C4	
48	.0824106+C3	.1177927+C4	.1473443+C4	
49	.0824106+C3	.1177927+C4	.1473443+C4	
50	.0824106+C3	.1177927+C4	.1473443+C4	
51	.0824106+C3	.1177927+C4	.1473443+C4	
52	.0824106+C3	.1177927+C4	.1473443+C4	
53	.0824106+C3	.1177927+C4	.1473443+C4	
54	.0824106+C3	.1177927+C4	.1473443+C4	
55	.0824106+C3	.1177927+C4	.1473443+C4	
56	.0824106+C3	.1177927+C4	.1473443+C4	
57	.0824106+C3	.1177927+C4	.1473443+C4	
58	.0824106+C3	.1177927+C4	.1473443+C4	
59	.0824106+C3	.1177927+C4	.1473443+C4	
60	.0824106+C3	.1177927+C4	.1473443+C4	

```
TIME SERIES FORECASTING FOR MODEL  1
*****************************************************************************************************
DATA -   Z = ALASKA STATEWIDE:  NONVIOLENT CRIMES, NATIVE                                  83 OBSERVATIONS
DIFFERENCING ON    Z - NONE
TRANSFORMATIONS EXAMINED - NONE
*****************************************************************************************************
UNIVARIATE MODEL PARAMETERS
*****************************************************************************************************
PARAMETER          PARAMETER          PARAMETER        BEGINNING
 NUMBER              TYPE              ORDER            VALUE
*****************************************************************************************************
    1             MEAN                                 .61621*02
    2             AUTOREGRESSIVE 1          4          .27253*00
*****************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =          1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =      61
FORECAST TIME ORIGINS ARE T=                   83
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
```

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4783211+02	.7790873+02	.1079853+03	
2	.4728704+02	.7736366+02	.1074403+03	
3	.4401665+02	.7409327+02	.1041699+03	
4	.4265399+02	.7273061+02	.1028072+03	
5	.4943561+02	.8060916+02	.1117827+03	
6	.4928706+02	.8046063+02	.1116342+03	
7	.4839577+02	.7956934+02	.1107429+03	
8	.4802440+02	.7919797+02	.1103715+03	
9	.5009163+02	.8134514+02	.1125986+03	
10	.5005114+02	.8130465+02	.1125582+03	
11	.4980824+02	.8106175+02	.1123153+03	
12	.4970703+02	.8096054+02	.1122140+03	
13	.5028627+02	.8154571+02	.1128051+03	
14	.5027524+02	.8153468+02	.1127941+03	
15	.5020904+02	.8146848+02	.1127279+03	
16	.5018145+02	.8144089+02	.1127003+03	
17	.5034049+02	.8160037+02	.1128603+03	
18	.5033749+02	.8159736+02	.1128572+03	
19	.5031944+02	.8157932+02	.1128392+03	
20	.5031193+02	.8157181+02	.1128317+03	
21	.5035536+02	.8161527+02	.1128752+03	
22	.5035454+02	.8161445+02	.1128744+03	
23	.5034962+02	.8160953+02	.1128694+03	
24	.5034757+02	.8160746+02	.1128674+03	
25	.5035942+02	.8161933+02	.1128792+03	
26	.5035919+02	.8161911+02	.1128790+03	
27	.5035785+02	.8161777+02	.1128777+03	
28	.5035729+02	.8161721+02	.1128771+03	
29	.5036052+02	.8162044+02	.1128804+03	
30	.5036046+02	.8162037+02	.1128803+03	
31	.5036010+02	.8162001+02	.1128799+03	
32	.5035994+02	.8161986+02	.1128798+03	
33	.5036082+02	.8162074+02	.1128807+03	
34	.5036081+02	.8162072+02	.1128806+03	
35	.5036071+02	.8162062+02	.1128805+03	
36	.5036067+02	.8162056+02	.1128805+03	
37	.5036090+02	.8162082+02	.1128807+03	
38	.5036090+02	.8162081+02	.1128807+03	
39	.5036087+02	.8162079+02	.1128807+03	
40	.5036086+02	.8162076+02	.1128807+03	
41	.5036093+02	.8162094+02	.1128808+03	
42	.5036093+02	.8162084+02	.1128808+03	
43	.5036092+02	.8162083+02	.1128807+03	
44	.5036092+02	.8162083+02	.1128807+03	
45	.5036093+02	.8162085+02	.1128808+03	
46	.5036093+02	.8162085+02	.1128808+03	
47	.5036093+02	.8162085+02	.1128808+03	
48	.5036093+02	.8162084+02	.1128808+03	
49	.5036094+02	.8162085+02	.1128808+03	
50	.5036094+02	.8162085+02	.1128808+03	
51	.5036093+02	.8162085+02	.1128808+03	
52	.5036093+02	.8162085+02	.1128808+03	
53	.5036094+02	.8162085+02	.1128808+03	
54	.5036094+02	.8162095+02	.1128808+03	
55	.5036094+02	.8162095+02	.1128808+03	
56	.5036094+02	.8162085+02	.1128808+03	
57	.5036094+02	.8162085+02	.1128808+03	
58	.5036094+02	.8162085+02	.1128808+03	
59	.5036094+02	.8162085+02	.1128808+03	
60	.5036094+02	.8162085+02	.1128808+03	
61	.5036094+02	.8162085+02	.1128808+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: NONVIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

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PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.57713+00
2	MOVING AVERAGE 1	4	.12656+00
3	TREND CONSTANT		-.19743+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2116926+02	.4550326+02	.6983730+02	
2	.1924236+02	.4566266+02	.7208299+02	
3	.1567524+02	.4402875+02	.7238225+02	
4	.1326053+02	.4342356+02	.7358664+02	
5	.1221322+02	.4322616+02	.7423910+02	
6	.1118856+02	.4302873+02	.7486888+02	
7	.1018490+02	.4283130+02	.7547776+02	
8	.9200650+01	.4263387+02	.7606709+02	
9	.8234500+01	.4243644+02	.7663839+02	
10	.7285253+01	.4223902+02	.7719278+02	
11	.6351839+01	.4204159+02	.7773133+02	
12	.5433299+01	.4184416+02	.7825502+02	
13	.4528765+01	.4164673+02	.7876470+02	
14	.3637453+01	.4144930+02	.7926115+02	
15	.2758646+01	.4125187+02	.7974510+02	
16	.1891693+01	.4105445+02	.8021720+02	
17	.1035996+01	.4085702+02	.8067804+02	
18	.1910043+00	.4065959+02	.8112817+02	
19	-.6437874+00	.4046216+02	.8156811+02	
20	-.1468846+01	.4026473+02	.8199831+02	
21	-.2284605+01	.4006730+02	.8241921+02	
22	-.3091465+01	.3986988+02	.8283122+02	
23	-.3889600+01	.3967245+02	.8323470+02	
24	-.4679957+01	.3947502+02	.8363000+02	
25	-.5462264+01	.3927759+02	.8401745+02	
26	-.6237622+01	.3908016+02	.8439735+02	
27	-.7004517+01	.3888274+02	.8476999+02	
28	-.7765016+01	.3868531+02	.8513563+02	
29	-.8518771+01	.3848788+02	.8549453+02	
30	-.9266016+01	.3829045+02	.8584692+02	
31	-.1000696+02	.3809302+02	.8619303+02	
32	-.1074187+02	.3789559+02	.8653306+02	
33	-.1147088+02	.3769817+02	.8686722+02	
34	-.1219421+02	.3750074+02	.8719569+02	
35	-.1291203+02	.3730331+02	.8751865+02	
36	-.1362452+02	.3710588+02	.8783628+02	
37	-.1433182+02	.3690845+02	.8814873+02	
38	-.1503411+02	.3671102+02	.8845616+02	
39	-.1573151+02	.3651360+02	.8875870+02	
40	-.1642416+02	.3631617+02	.8905651+02	
41	-.1711223+02	.3611874+02	.8934971+02	
42	-.1779581+02	.3592131+02	.8963843+02	
43	-.1847502+02	.3572388+02	.8992279+02	
44	-.1915000+02	.3552646+02	.9020291+02	
45	-.1982083+02	.3532903+02	.9047889+02	
46	-.2048764+02	.3513160+02	.9075084+02	
47	-.2115052+02	.3493417+02	.9101886+02	
48	-.2180956+02	.3473674+02	.9128305+02	
49	-.2246487+02	.3453931+02	.9154350+02	
50	-.2311653+02	.3434189+02	.9180031+02	
51	-.2376463+02	.3414446+02	.9205355+02	
52	-.2440925+02	.3394703+02	.9230331+02	
53	-.2505046+02	.3374960+02	.9254967+02	
54	-.2568836+02	.3355217+02	.9279270+02	
55	-.2632300+02	.3335474+02	.9303249+02	
56	-.2695446+02	.3315732+02	.9326909+02	
57	-.2758281+02	.3295989+02	.9350259+02	
58	-.2820811+02	.3276246+02	.9373303+02	
59	-.2883044+02	.3256503+02	.9396050+02	
60	-.2944984+02	.3236760+02	.9418505+02	

CONTINUED

2 OF 5

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: NONVIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

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PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.92926+02
2	AUTOREGRESSIVE 1	4	.17793+00
3	AUTOREGRESSIVE 1	12	.35594+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4276681+02	.8122033+02	.1196738+03	
2	.4614676+02	.8460026+02	.1230538+03	
3	.4419011+02	.8264363+02	.1210971+03	
4	.4935151+02	.8780502+02	.1262585+03	
5	.4789680+02	.8695428+02	.1260118+03	
6	.5597284+02	.9503032+02	.1340878+03	
7	.4067540+02	.7973288+02	.1187904+03	
8	.5298371+02	.9204119+02	.1310987+03	
9	.4640652+02	.8548298+02	.1245594+03	
10	.6172498+02	.1008014+03	.1398779+03	
11	.4939284+02	.8846929+02	.1275457+03	
12	.4837945+02	.8745590+02	.1265323+03	
13	.4595898+02	.8743522+02	.1289115+03	
14	.4988765+02	.9136389+02	.1328401+03	
15	.4699694+02	.8847318+02	.1299494+03	
16	.4865375+02	.9012999+02	.1316062+03	
17	.4805774+02	.8982350+02	.1315893+03	
18	.5163132+02	.9339708+02	.1351628+03	
19	.4567207+02	.8743783+02	.1292036+03	
20	.5034783+02	.9211360+02	.1338794+03	
21	.4793856+02	.8972476+02	.1315110+03	
22	.5402679+02	.9581299+02	.1375992+03	
23	.4857701+02	.9036321+02	.1321494+03	
24	.4904827+02	.9083447+02	.1326207+03	
25	.4829586+02	.9040207+02	.1325083+03	
26	.5077749+02	.9288370+02	.1349899+03	
27	.4877890+02	.9088511+02	.1329913+03	
28	.4945247+02	.9155868+02	.1336649+03	
29	.4918192+02	.9137265+02	.1335634+03	
30	.5089544+02	.9308617+02	.1352769+03	
31	.4841873+02	.9060946+02	.1328002+03	
32	.5020285+02	.9239358+02	.1345843+03	
33	.4930900+02	.9151020+02	.1337114+03	
34	.5178091+02	.9398211+02	.1361833+03	
35	.4940045+02	.9160166+02	.1338029+03	
36	.4988564+02	.9208684+02	.1342880+03	
37	.4952664+02	.9177576+02	.1340249+03	
38	.5084977+02	.9309889+02	.1353480+03	
39	.4971485+02	.9196396+02	.1342131+03	
40	.5004093+02	.9229004+02	.1345392+03	
41	.4989912+02	.9216847+02	.1344378+03	
42	.5074445+02	.9301380+02	.1352832+03	
43	.4966096+02	.9193031+02	.1341997+03	
44	.5035401+02	.9262336+02	.1348927+03	
45	.5001415+02	.9228731+02	.1345605+03	
46	.5104439+02	.9331756+02	.1355907+03	
47	.5000432+02	.9227748+02	.1345506+03	
48	.5030033+02	.9257349+02	.1348467+03	
49	.5012192+02	.9240297+02	.1346840+03	
50	.5077618+02	.9305723+02	.1353383+03	
51	.5018716+02	.9246821+02	.1347493+03	
52	.5035589+02	.9263694+02	.1349180+03	
53	.5027787+02	.9256333+02	.1348488+03	
54	.5069516+02	.9298063+02	.1352661+03	
55	.5020470+02	.9249017+02	.1347756+03	
56	.5048141+02	.9276688+02	.1350523+03	
57	.5034756+02	.9263416+02	.1349208+03	
58	.5078851+02	.9307512+02	.1353617+03	
59	.5033104+02	.9261765+02	.1349043+03	
60	.5048564+02	.9277224+02	.1350589+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #2: NONVICLENT CRIME, NATIVE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.24182+02
2	MOVING AVERAGE 1	6	-.80223-01
3	MOVING AVERAGE 1	12	.13948+00
4	MOVING AVERAGE 1	18	.38300+00
5	MOVING AVERAGE 1	24	.31059+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6712742+01	.1883614+02	.3095954+02	
2	.1473961+02	.2686301+02	.3898641+02	
3	.1520016+02	.2732356+02	.3944696+02	
4	.1212165+02	.2424505+02	.3636845+02	
5	.7784281+01	.1990766+02	.3203108+02	
6	.1164173+02	.2376513+02	.3588853+02	
7	.8722001+01	.2088435+02	.3304670+02	
8	.1528716+02	.2744951+02	.3961186+02	
9	.1518772+02	.2735007+02	.3951242+02	
10	.1035464+02	.2251699+02	.3467934+02	
11	.1135591+02	.2351826+02	.3568061+02	
12	.1215161+02	.2431396+02	.3647631+02	
13	.1126231+02	.2354165+02	.3582099+02	
14	.1410067+02	.2638001+02	.3865936+02	
15	.1339317+02	.2567251+02	.3795186+02	
16	.1168175+02	.2396109+02	.3624043+02	
17	.1400067+02	.2628002+02	.3855936+02	
18	.1245906+02	.2473841+02	.3701775+02	
19	.1158478+02	.2471268+02	.3784058+02	
20	.1149614+02	.2462404+02	.3775194+02	
21	.1190502+02	.2503292+02	.3816082+02	
22	.1257437+02	.2570227+02	.3883018+02	
23	.1183975+02	.2496765+02	.3809556+02	
24	.1153942+02	.2466732+02	.3779523+02	
25	.1052459+02	.2418183+02	.3783908+02	
26	.1052459+02	.2418183+02	.3783908+02	
27	.1052459+02	.2418183+02	.3783908+02	
28	.1052459+02	.2418183+02	.3783908+02	
29	.1052459+02	.2418183+02	.3783908+02	
30	.1052459+02	.2418183+02	.3783908+02	
31	.1052459+02	.2418183+02	.3783908+02	
32	.1052459+02	.2418183+02	.3783908+02	
33	.1052459+02	.2418183+02	.3783908+02	
34	.1052459+02	.2418183+02	.3783908+02	
35	.1052459+02	.2418183+02	.3783908+02	
36	.1052459+02	.2418183+02	.3783908+02	
37	.1052459+02	.2418183+02	.3783908+02	
38	.1052459+02	.2418183+02	.3783908+02	
39	.1052459+02	.2418183+02	.3783908+02	
40	.1052459+02	.2418183+02	.3783908+02	
41	.1052459+02	.2418183+02	.3783908+02	
42	.1052459+02	.2418183+02	.3783908+02	
43	.1052459+02	.2418183+02	.3783908+02	
44	.1052459+02	.2418183+02	.3783908+02	
45	.1052459+02	.2418183+02	.3783908+02	
46	.1052459+02	.2418183+02	.3783908+02	
47	.1052459+02	.2418183+02	.3783908+02	
48	.1052459+02	.2418183+02	.3783908+02	
49	.1052459+02	.2418183+02	.3783908+02	
50	.1052459+02	.2418183+02	.3783908+02	
51	.1052459+02	.2418183+02	.3783908+02	
52	.1052459+02	.2418183+02	.3783908+02	
53	.1052459+02	.2418183+02	.3783908+02	
54	.1052459+02	.2418183+02	.3783908+02	
55	.1052459+02	.2418183+02	.3783908+02	
56	.1052459+02	.2418183+02	.3783908+02	
57	.1052459+02	.2418183+02	.3783908+02	
58	.1052459+02	.2418183+02	.3783908+02	
59	.1052459+02	.2418183+02	.3783908+02	
60	.1052459+02	.2418183+02	.3783908+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: OVER EIGHTEEN NONVIOLENT CRIME

DIFFERENCING ON Z - NONE 83 OBSERVATIONS

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.30369+02
2	AUTOREGRESSIVE 1	1	.25410+00
3	AUTOREGRESSIVE 1	2	.10937+00
4	AUTOREGRESSIVE 1	3	.28756+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1303458+02	.3038464+02	.4773470+02	
2	.1207795+02	.2997938+02	.4788082+02	
3	.1287410+02	.3102814+02	.4918218+02	
4	.1130230+02	.3049824+02	.4969418+02	
5	.1090372+02	.3036177+02	.4981981+02	
6	.1097020+02	.3057071+02	.5017122+02	
7	.1066520+02	.3045650+02	.5024779+02	
8	.1053165+02	.3041108+02	.5029051+02	
9	.1051465+02	.3044714+02	.5037962+02	
10	.1043952+02	.3041849+02	.5039746+02	
11	.1039593+02	.3040209+02	.5040825+02	
12	.1038171+02	.3040516+02	.5042861+02	
13	.1035962+02	.3039591+02	.5043219+02	
14	.1034470+02	.3038918+02	.5043366+02	
15	.1033750+02	.3038734+02	.5043717+02	
16	.1032991+02	.3038347+02	.5043703+02	
17	.1032434+02	.3038035+02	.5043637+02	
18	.1032097+02	.3037861+02	.5043625+02	
19	.1031798+02	.3037672+02	.5043545+02	
20	.1031567+02	.3037515+02	.5043462+02	
21	.1031408+02	.3037404+02	.5043400+02	
22	.1031275+02	.3037304+02	.5043333+02	
23	.1031171+02	.3037221+02	.5043272+02	
24	.1031092+02	.3037158+02	.5043223+02	
25	.1031028+02	.3037104+02	.5043179+02	
26	.1030977+02	.3037059+02	.5043141+02	
27	.1030938+02	.3037024+02	.5043110+02	
28	.1030905+02	.3036994+02	.5043084+02	
29	.1030879+02	.3036970+02	.5043061+02	
30	.1030858+02	.3036951+02	.5043043+02	
31	.1030841+02	.3036935+02	.5043028+02	
32	.1030828+02	.3036922+02	.5043015+02	
33	.1030816+02	.3036911+02	.5043005+02	
34	.1030807+02	.3036902+02	.5042997+02	
35	.1030800+02	.3036895+02	.5042990+02	
36	.1030794+02	.3036889+02	.5042984+02	
37	.1030789+02	.3036884+02	.5042979+02	
38	.1030785+02	.3036880+02	.5042975+02	
39	.1030782+02	.3036877+02	.5042972+02	
40	.1030779+02	.3036874+02	.5042969+02	
41	.1030777+02	.3036872+02	.5042967+02	
42	.1030775+02	.3036870+02	.5042966+02	
43	.1030774+02	.3036869+02	.5042964+02	
44	.1030773+02	.3036866+02	.5042963+02	
45	.1030772+02	.3036867+02	.5042962+02	
46	.1030771+02	.3036866+02	.5042961+02	
47	.1030770+02	.3036865+02	.5042961+02	
48	.1030770+02	.3036865+02	.5042960+02	
49	.1030769+02	.3036864+02	.5042960+02	
50	.1030769+02	.3036864+02	.5042959+02	
51	.1030769+02	.3036864+02	.5042959+02	
52	.1030769+02	.3036864+02	.5042959+02	
53	.1030768+02	.3036863+02	.5042958+02	
54	.1030768+02	.3036863+02	.5042958+02	
55	.1030768+02	.3036863+02	.5042958+02	
56	.1030768+02	.3036863+02	.5042958+02	
57	.1030768+02	.3036863+02	.5042958+02	
58	.1030768+02	.3036863+02	.5042958+02	
59	.1030768+02	.3036863+02	.5042958+02	
60	.1030768+02	.3036863+02	.5042958+02	
61	.1030768+02	.3036863+02	.5042958+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: UNDER EIGHTEEN NONVIOLENT CRIME 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.21491+02
2	AUTOREGRESSIVE 1	1	.29498+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1799590+01	.1544632+02	.3269222+02	
2	.1727125+01	.1970770+02	.3768827+02	
3	.2921637+01	.2096472+02	.3900780+02	
4	.3287006+01	.2133552+02	.3938403+02	
5	.3395911+01	.2144490+02	.3949388+02	
6	.3428135+01	.2147716+02	.3952616+02	
7	.3437649+01	.2148668+02	.3953571+02	
8	.3440456+01	.2148948+02	.3953851+02	
9	.3441284+01	.2149031+02	.3953934+02	
10	.3441528+01	.2149056+02	.3953959+02	
11	.3441600+01	.2149063+02	.3953966+02	
12	.3441621+01	.2149065+02	.3953968+02	
13	.3441626+01	.2149066+02	.3953969+02	
14	.3441629+01	.2149066+02	.3953969+02	
15	.3441630+01	.2149066+02	.3953969+02	
16	.3441630+01	.2149066+02	.3953969+02	
17	.3441630+01	.2149066+02	.3953969+02	
18	.3441630+01	.2149066+02	.3953969+02	
19	.3441630+01	.2149066+02	.3953969+02	
20	.3441630+01	.2149066+02	.3953969+02	
21	.3441630+01	.2149066+02	.3953969+02	
22	.3441630+01	.2149066+02	.3953969+02	
23	.3441630+01	.2149066+02	.3953969+02	
24	.3441630+01	.2149066+02	.3953969+02	
25	.3441630+01	.2149066+02	.3953969+02	
26	.3441630+01	.2149066+02	.3953969+02	
27	.3441630+01	.2149066+02	.3953969+02	
28	.3441630+01	.2149066+02	.3953969+02	
29	.3441630+01	.2149066+02	.3953969+02	
30	.3441630+01	.2149066+02	.3953969+02	
31	.3441630+01	.2149066+02	.3953969+02	
32	.3441630+01	.2149066+02	.3953969+02	
33	.3441630+01	.2149066+02	.3953969+02	
34	.3441630+01	.2149066+02	.3953969+02	
35	.3441630+01	.2149066+02	.3953969+02	
36	.3441630+01	.2149066+02	.3953969+02	
37	.3441630+01	.2149066+02	.3953969+02	
38	.3441630+01	.2149066+02	.3953969+02	
39	.3441630+01	.2149066+02	.3953969+02	
40	.3441630+01	.2149066+02	.3953969+02	
41	.3441630+01	.2149066+02	.3953969+02	
42	.3441630+01	.2149066+02	.3953969+02	
43	.3441630+01	.2149066+02	.3953969+02	
44	.3441630+01	.2149066+02	.3953969+02	
45	.3441630+01	.2149066+02	.3953969+02	
46	.3441630+01	.2149066+02	.3953969+02	
47	.3441630+01	.2149066+02	.3953969+02	
48	.3441630+01	.2149066+02	.3953969+02	
49	.3441630+01	.2149066+02	.3953969+02	
50	.3441630+01	.2149066+02	.3953969+02	
51	.3441630+01	.2149066+02	.3953969+02	
52	.3441630+01	.2149066+02	.3953969+02	
53	.3441630+01	.2149066+02	.3953969+02	
54	.3441630+01	.2149066+02	.3953969+02	
55	.3441630+01	.2149066+02	.3953969+02	
56	.3441630+01	.2149066+02	.3953969+02	
57	.3441630+01	.2149066+02	.3953969+02	
58	.3441630+01	.2149066+02	.3953969+02	
59	.3441630+01	.2149066+02	.3953969+02	
60	.3441630+01	.2149066+02	.3953969+02	
61	.3441630+01	.2149066+02	.3953969+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #4: NATIVES ARRESTED FOR NONVIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.12682+02
2	AUTOREGRESSIVE 1	1	.28858+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1025567+00	.1017619+02	.2045494+02	
2	.1260342+01	.1195855+02	.2265675+02	
3	.1740508+01	.1247290+02	.2320530+02	
4	.1886101+01	.1262134+02	.2335658+02	
5	.1928701+01	.1266418+02	.2339965+02	
6	.1941043+01	.1267654+02	.2341203+02	
7	.1944608+01	.1268011+02	.2341560+02	
8	.1945638+01	.1268114+02	.2341663+02	
9	.1945935+01	.1268143+02	.2341693+02	
10	.1946021+01	.1268152+02	.2341702+02	
11	.1946045+01	.1268154+02	.2341704+02	
12	.1946053+01	.1268155+02	.2341705+02	
13	.1946055+01	.1268155+02	.2341705+02	
14	.1946055+01	.1268155+02	.2341705+02	
15	.1946055+01	.1268155+02	.2341705+02	
16	.1946055+01	.1268155+02	.2341705+02	
17	.1946055+01	.1268155+02	.2341705+02	
18	.1946055+01	.1268155+02	.2341705+02	
19	.1946055+01	.1268155+02	.2341705+02	
20	.1946055+01	.1268155+02	.2341705+02	
21	.1946055+01	.1268155+02	.2341705+02	
22	.1946055+01	.1268155+02	.2341705+02	
23	.1946055+01	.1268155+02	.2341705+02	
24	.1946055+01	.1268155+02	.2341705+02	
25	.1946055+01	.1268155+02	.2341705+02	
26	.1946055+01	.1268155+02	.2341705+02	
27	.1946055+01	.1268155+02	.2341705+02	
28	.1946055+01	.1268155+02	.2341705+02	
29	.1946055+01	.1268155+02	.2341705+02	
30	.1946055+01	.1268155+02	.2341705+02	
31	.1946055+01	.1268155+02	.2341705+02	
32	.1946055+01	.1268155+02	.2341705+02	
33	.1946055+01	.1268155+02	.2341705+02	
34	.1946055+01	.1268155+02	.2341705+02	
35	.1946055+01	.1268155+02	.2341705+02	
36	.1946055+01	.1268155+02	.2341705+02	
37	.1946055+01	.1268155+02	.2341705+02	
38	.1946055+01	.1268155+02	.2341705+02	
39	.1946055+01	.1268155+02	.2341705+02	
40	.1946055+01	.1268155+02	.2341705+02	
41	.1946055+01	.1268155+02	.2341705+02	
42	.1946055+01	.1268155+02	.2341705+02	
43	.1946055+01	.1268155+02	.2341705+02	
44	.1946055+01	.1268155+02	.2341705+02	
45	.1946055+01	.1268155+02	.2341705+02	
46	.1946055+01	.1268155+02	.2341705+02	
47	.1946055+01	.1268155+02	.2341705+02	
48	.1946055+01	.1268155+02	.2341705+02	
49	.1946055+01	.1268155+02	.2341705+02	
50	.1946055+01	.1268155+02	.2341705+02	
51	.1946055+01	.1268155+02	.2341705+02	
52	.1946055+01	.1268155+02	.2341705+02	
53	.1946055+01	.1268155+02	.2341705+02	
54	.1946055+01	.1268155+02	.2341705+02	
55	.1946055+01	.1268155+02	.2341705+02	
56	.1946055+01	.1268155+02	.2341705+02	
57	.1946055+01	.1268155+02	.2341705+02	
58	.1946055+01	.1268155+02	.2341705+02	
59	.1946055+01	.1268155+02	.2341705+02	
60	.1946055+01	.1268155+02	.2341705+02	
61	.1946055+01	.1268155+02	.2341705+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: OVER EIGHTEEN NONVIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.35422+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1103114+01	.3542169+01	.8187452+01	
2	-.1103114+01	.3542169+01	.8187452+01	
3	-.1103114+01	.3542169+01	.8187452+01	
4	-.1103114+01	.3542169+01	.8187452+01	
5	-.1103114+01	.3542169+01	.8187452+01	
6	-.1103114+01	.3542169+01	.8187452+01	
7	-.1103114+01	.3542169+01	.8187452+01	
8	-.1103114+01	.3542169+01	.8187452+01	
9	-.1103114+01	.3542169+01	.8187452+01	
10	-.1103114+01	.3542169+01	.8187452+01	
11	-.1103114+01	.3542169+01	.8187452+01	
12	-.1103114+01	.3542169+01	.8187452+01	
13	-.1103114+01	.3542169+01	.8187452+01	
14	-.1103114+01	.3542169+01	.8187452+01	
15	-.1103114+01	.3542169+01	.8187452+01	
16	-.1103114+01	.3542169+01	.8187452+01	
17	-.1103114+01	.3542169+01	.8187452+01	
18	-.1103114+01	.3542169+01	.8187452+01	
19	-.1103114+01	.3542169+01	.8187452+01	
20	-.1103114+01	.3542169+01	.8187452+01	
21	-.1103114+01	.3542169+01	.8187452+01	
22	-.1103114+01	.3542169+01	.8187452+01	
23	-.1103114+01	.3542169+01	.8187452+01	
24	-.1103114+01	.3542169+01	.8187452+01	
25	-.1103114+01	.3542169+01	.8187452+01	
26	-.1103114+01	.3542169+01	.8187452+01	
27	-.1103114+01	.3542169+01	.8187452+01	
28	-.1103114+01	.3542169+01	.8187452+01	
29	-.1103114+01	.3542169+01	.8187452+01	
30	-.1103114+01	.3542169+01	.8187452+01	
31	-.1103114+01	.3542169+01	.8187452+01	
32	-.1103114+01	.3542169+01	.8187452+01	
33	-.1103114+01	.3542169+01	.8187452+01	
34	-.1103114+01	.3542169+01	.8187452+01	
35	-.1103114+01	.3542169+01	.8187452+01	
36	-.1103114+01	.3542169+01	.8187452+01	
37	-.1103114+01	.3542169+01	.8187452+01	
38	-.1103114+01	.3542169+01	.8187452+01	
39	-.1103114+01	.3542169+01	.8187452+01	
40	-.1103114+01	.3542169+01	.8187452+01	
41	-.1103114+01	.3542169+01	.8187452+01	
42	-.1103114+01	.3542169+01	.8187452+01	
43	-.1103114+01	.3542169+01	.8187452+01	
44	-.1103114+01	.3542169+01	.8187452+01	
45	-.1103114+01	.3542169+01	.8187452+01	
46	-.1103114+01	.3542169+01	.8187452+01	
47	-.1103114+01	.3542169+01	.8187452+01	
48	-.1103114+01	.3542169+01	.8187452+01	
49	-.1103114+01	.3542169+01	.8187452+01	
50	-.1103114+01	.3542169+01	.8187452+01	
51	-.1103114+01	.3542169+01	.8187452+01	
52	-.1103114+01	.3542169+01	.8187452+01	
53	-.1103114+01	.3542169+01	.8187452+01	
54	-.1103114+01	.3542169+01	.8187452+01	
55	-.1103114+01	.3542169+01	.8187452+01	
56	-.1103114+01	.3542169+01	.8187452+01	
57	-.1103114+01	.3542169+01	.8187452+01	
58	-.1103114+01	.3542169+01	.8187452+01	
59	-.1103114+01	.3542169+01	.8187452+01	
60	-.1103114+01	.3542169+01	.8187452+01	
61	-.1103114+01	.3542169+01	.8187452+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: UNDER EIGHTEEN NONVIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.55660+01
2	MOVING AVERAGE 1	11	-.24904+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.2592462+01	.5821564+01	.1423559+02	
2	-.3889565+01	.4524461+01	.1293849+02	
3	-.3108985+01	.5305041+01	.1371907+02	
4	-.3061860+01	.5352166+01	.1376619+02	
5	-.2149580+01	.6264446+01	.1467847+02	
6	-.3463503+01	.4950523+01	.1336455+02	
7	-.3990032+01	.4423994+01	.1283802+02	
8	-.3292549+01	.5121478+01	.1353550+02	
9	-.3808640+01	.4605386+01	.1301941+02	
10	-.3787701+01	.4626325+01	.1304035+02	
11	-.3371599+01	.5042427+01	.1345645+02	
12	-.3105028+01	.5565986+01	.1423700+02	
13	-.3105028+01	.5565986+01	.1423700+02	
14	-.3105028+01	.5565986+01	.1423700+02	
15	-.3105028+01	.5565986+01	.1423700+02	
16	-.3105028+01	.5565986+01	.1423700+02	
17	-.3105028+01	.5565986+01	.1423700+02	
18	-.3105028+01	.5565986+01	.1423700+02	
19	-.3105028+01	.5565986+01	.1423700+02	
20	-.3105028+01	.5565986+01	.1423700+02	
21	-.3105028+01	.5565986+01	.1423700+02	
22	-.3105028+01	.5565986+01	.1423700+02	
23	-.3105028+01	.5565986+01	.1423700+02	
24	-.3105028+01	.5565986+01	.1423700+02	
25	-.3105028+01	.5565986+01	.1423700+02	
26	-.3105028+01	.5565986+01	.1423700+02	
27	-.3105028+01	.5565986+01	.1423700+02	
28	-.3105028+01	.5565986+01	.1423700+02	
29	-.3105028+01	.5565986+01	.1423700+02	
30	-.3105028+01	.5565986+01	.1423700+02	
31	-.3105028+01	.5565986+01	.1423700+02	
32	-.3105028+01	.5565986+01	.1423700+02	
33	-.3105028+01	.5565986+01	.1423700+02	
34	-.3105028+01	.5565986+01	.1423700+02	
35	-.3105028+01	.5565986+01	.1423700+02	
36	-.3105028+01	.5565986+01	.1423700+02	
37	-.3105028+01	.5565986+01	.1423700+02	
38	-.3105028+01	.5565986+01	.1423700+02	
39	-.3105028+01	.5565986+01	.1423700+02	
40	-.3105028+01	.5565986+01	.1423700+02	
41	-.3105028+01	.5565986+01	.1423700+02	
42	-.3105028+01	.5565986+01	.1423700+02	
43	-.3105028+01	.5565986+01	.1423700+02	
44	-.3105028+01	.5565986+01	.1423700+02	
45	-.3105028+01	.5565986+01	.1423700+02	
46	-.3105028+01	.5565986+01	.1423700+02	
47	-.3105028+01	.5565986+01	.1423700+02	
48	-.3105028+01	.5565986+01	.1423700+02	
49	-.3105028+01	.5565986+01	.1423700+02	
50	-.3105028+01	.5565986+01	.1423700+02	
51	-.3105028+01	.5565986+01	.1423700+02	
52	-.3105028+01	.5565986+01	.1423700+02	
53	-.3105028+01	.5565986+01	.1423700+02	
54	-.3105028+01	.5565986+01	.1423700+02	
55	-.3105028+01	.5565986+01	.1423700+02	
56	-.3105028+01	.5565986+01	.1423700+02	
57	-.3105028+01	.5565986+01	.1423700+02	
58	-.3105028+01	.5565986+01	.1423700+02	
59	-.3105028+01	.5565986+01	.1423700+02	
60	-.3105028+01	.5565986+01	.1423700+02	
61	-.3105028+01	.5565986+01	.1423700+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #6: NATIVES ARRESTED FOR NONVIOLENT CRIMES 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.49518+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1926289+01	.4951809+01	.1182991+02	
2	-.1926289+01	.4951809+01	.1182991+02	
3	-.1926289+01	.4951809+01	.1182991+02	
4	-.1926289+01	.4951809+01	.1182991+02	
5	-.1926289+01	.4951809+01	.1182991+02	
6	-.1926289+01	.4951809+01	.1182991+02	
7	-.1926289+01	.4951809+01	.1182991+02	
8	-.1926289+01	.4951809+01	.1182991+02	
9	-.1926289+01	.4951809+01	.1182991+02	
10	-.1926289+01	.4951809+01	.1182991+02	
11	-.1926289+01	.4951809+01	.1182991+02	
12	-.1926289+01	.4951809+01	.1182991+02	
13	-.1926289+01	.4951809+01	.1182991+02	
14	-.1926289+01	.4951809+01	.1182991+02	
15	-.1926289+01	.4951809+01	.1182991+02	
16	-.1926289+01	.4951809+01	.1182991+02	
17	-.1926289+01	.4951809+01	.1182991+02	
18	-.1926289+01	.4951809+01	.1182991+02	
19	-.1926289+01	.4951809+01	.1182991+02	
20	-.1926289+01	.4951809+01	.1182991+02	
21	-.1926289+01	.4951809+01	.1182991+02	
22	-.1926289+01	.4951809+01	.1182991+02	
23	-.1926289+01	.4951809+01	.1182991+02	
24	-.1926289+01	.4951809+01	.1182991+02	
25	-.1926289+01	.4951809+01	.1182991+02	
26	-.1926289+01	.4951809+01	.1182991+02	
27	-.1926289+01	.4951809+01	.1182991+02	
28	-.1926289+01	.4951809+01	.1182991+02	
29	-.1926289+01	.4951809+01	.1182991+02	
30	-.1926289+01	.4951809+01	.1182991+02	
31	-.1926289+01	.4951809+01	.1182991+02	
32	-.1926289+01	.4951809+01	.1182991+02	
33	-.1926289+01	.4951809+01	.1182991+02	
34	-.1926289+01	.4951809+01	.1182991+02	
35	-.1926289+01	.4951809+01	.1182991+02	
36	-.1926289+01	.4951809+01	.1182991+02	
37	-.1926289+01	.4951809+01	.1182991+02	
38	-.1926289+01	.4951809+01	.1182991+02	
39	-.1926289+01	.4951809+01	.1182991+02	
40	-.1926289+01	.4951809+01	.1182991+02	
41	-.1926289+01	.4951809+01	.1182991+02	
42	-.1926289+01	.4951809+01	.1182991+02	
43	-.1926289+01	.4951809+01	.1182991+02	
44	-.1926289+01	.4951809+01	.1182991+02	
45	-.1926289+01	.4951809+01	.1182991+02	
46	-.1926289+01	.4951809+01	.1182991+02	
47	-.1926289+01	.4951809+01	.1182991+02	
48	-.1926289+01	.4951809+01	.1182991+02	
49	-.1926289+01	.4951809+01	.1182991+02	
50	-.1926289+01	.4951809+01	.1182991+02	
51	-.1926289+01	.4951809+01	.1182991+02	
52	-.1926289+01	.4951809+01	.1182991+02	
53	-.1926289+01	.4951809+01	.1182991+02	
54	-.1926289+01	.4951809+01	.1182991+02	
55	-.1926289+01	.4951809+01	.1182991+02	
56	-.1926289+01	.4951809+01	.1182991+02	
57	-.1926289+01	.4951809+01	.1182991+02	
58	-.1926289+01	.4951809+01	.1182991+02	
59	-.1926289+01	.4951809+01	.1182991+02	
60	-.1926289+01	.4951809+01	.1182991+02	
61	-.1926289+01	.4951809+01	.1182991+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: NONVIOLENT CRIME, OVER 18 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.58456+02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.3021137+02	.5845784+02	.8670430+02	
2	.3021137+02	.5845784+02	.8670430+02	
3	.3021137+02	.5845784+02	.8670430+02	
4	.3021137+02	.5845784+02	.8670430+02	
5	.3021137+02	.5845784+02	.8670430+02	
6	.3021137+02	.5845784+02	.8670430+02	
7	.3021137+02	.5845784+02	.8670430+02	
8	.3021137+02	.5845784+02	.8670430+02	
9	.3021137+02	.5845784+02	.8670430+02	
10	.3021137+02	.5845784+02	.8670430+02	
11	.3021137+02	.5845784+02	.8670430+02	
12	.3021137+02	.5845784+02	.8670430+02	
13	.3021137+02	.5845784+02	.8670430+02	
14	.3021137+02	.5845784+02	.8670430+02	
15	.3021137+02	.5845784+02	.8670430+02	
16	.3021137+02	.5845784+02	.8670430+02	
17	.3021137+02	.5845784+02	.8670430+02	
18	.3021137+02	.5845784+02	.8670430+02	
19	.3021137+02	.5845784+02	.8670430+02	
20	.3021137+02	.5845784+02	.8670430+02	
21	.3021137+02	.5845784+02	.8670430+02	
22	.3021137+02	.5845784+02	.8670430+02	
23	.3021137+02	.5845784+02	.8670430+02	
24	.3021137+02	.5845784+02	.8670430+02	
25	.3021137+02	.5845784+02	.8670430+02	
26	.3021137+02	.5845784+02	.8670430+02	
27	.3021137+02	.5845784+02	.8670430+02	
28	.3021137+02	.5845784+02	.8670430+02	
29	.3021137+02	.5845784+02	.8670430+02	
30	.3021137+02	.5845784+02	.8670430+02	
31	.3021137+02	.5845784+02	.8670430+02	
32	.3021137+02	.5845784+02	.8670430+02	
33	.3021137+02	.5845784+02	.8670430+02	
34	.3021137+02	.5845784+02	.8670430+02	
35	.3021137+02	.5845784+02	.8670430+02	
36	.3021137+02	.5845784+02	.8670430+02	
37	.3021137+02	.5845784+02	.8670430+02	
38	.3021137+02	.5845784+02	.8670430+02	
39	.3021137+02	.5845784+02	.8670430+02	
40	.3021137+02	.5845784+02	.8670430+02	
41	.3021137+02	.5845784+02	.8670430+02	
42	.3021137+02	.5845784+02	.8670430+02	
43	.3021137+02	.5845784+02	.8670430+02	
44	.3021137+02	.5845784+02	.8670430+02	
45	.3021137+02	.5845784+02	.8670430+02	
46	.3021137+02	.5845784+02	.8670430+02	
47	.3021137+02	.5845784+02	.8670430+02	
48	.3021137+02	.5845784+02	.8670430+02	
49	.3021137+02	.5845784+02	.8670430+02	
50	.3021137+02	.5845784+02	.8670430+02	
51	.3021137+02	.5845784+02	.8670430+02	
52	.3021137+02	.5845784+02	.8670430+02	
53	.3021137+02	.5845784+02	.8670430+02	
54	.3021137+02	.5845784+02	.8670430+02	
55	.3021137+02	.5845784+02	.8670430+02	
56	.3021137+02	.5845784+02	.8670430+02	
57	.3021137+02	.5845784+02	.8670430+02	
58	.3021137+02	.5845784+02	.8670430+02	
59	.3021137+02	.5845784+02	.8670430+02	
60	.3021137+02	.5845784+02	.8670430+02	
61	.3021137+02	.5845784+02	.8670430+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = ALASKA #17: NONVIOLENT CRIME, UNDER 18 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.74471+02
2	AUTOREGRESSIVE 1	1	.16994+00
3	AUTOREGRESSIVE 1	2	.24699+00
4	AUTOREGRESSIVE 1	3	.35629+00
5	MOVING AVERAGE 1	6	.39337+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.9196695+C1	.3639049+02	.8197768+C2	
2	.1112380+02	.5736460+02	.1036054+03	
3	.1311845+02	.6103892+02	.1089594+03	
4	.1524392+02	.6728400+02	.1193241+03	
5	.2313149+02	.7599869+02	.1288659+03	
6	.1572400+C2	.6973896+02	.1237539+03	
7	.1707665+02	.7148362+02	.1258906+03	
8	.1870759+02	.7333896+02	.1279703+03	
9	.1713127+C2	.7185491+02	.1265786+03	
10	.1795603+02	.7268256+02	.1274091+03	
11	.1833629+C2	.7311770+02	.1278991+C3	
12	.1806778+02	.7286732+02	.1276669+03	
13	.1842378+02	.7322712+02	.1280305+03	
14	.1856196+02	.7338146+02	.1282010+03	
15	.1858066+02	.7340736+02	.1282341+03	
16	.1874678+02	.7357807+02	.1284094+C3	
17	.1883113+02	.7366847+02	.1285058+03	
18	.1889426+02	.7373522+02	.1285762+03	
19	.1898589+02	.7382971+02	.1286735+C3	
20	.1904797+02	.7389446+02	.1287410+03	
21	.1910421+02	.7395259+02	.1288010+C3	
22	.1916221+02	.7401213+02	.1288620+03	
23	.1920848+C2	.7405967+02	.1289109+03	
24	.1925099+02	.7410317+02	.1289553+03	
25	.1929055+02	.7414351+02	.1289965+03	
26	.1932445+02	.7417805+02	.1290317+03	
27	.1935528+02	.7420939+02	.1290635+03	
28	.1938311+C2	.7423762+02	.1290921+C3	
29	.1940763+02	.7426246+02	.1291173+03	
30	.1942974+02	.7428482+02	.1291399+03	
31	.1944952+C2	.7430481+02	.1291601+C3	
32	.1946713+02	.7432258+02	.1291780+03	
33	.1948293+C2	.7433850+02	.1291941+03	
34	.1949704+02	.7435272+02	.1292084+C3	
35	.1950964+02	.7436540+02	.1292212+03	
36	.1952092+C2	.7437674+02	.1292326+C3	
37	.1953099+02	.7438687+02	.1292428+03	
38	.1953999+C2	.7439591+02	.1292518+03	
39	.1954803+C2	.7440399+02	.1292599+C3	
40	.1955522+02	.7441120+02	.1292672+03	
41	.1956164+C2	.7441764+02	.1292736+C3	
42	.1956737+02	.7442340+02	.1292794+03	
43	.1957250+02	.7442853+02	.1292846+03	
44	.1957706+C2	.7443312+02	.1292892+03	
45	.1958117+02	.7443722+02	.1292933+03	
46	.1958482+C2	.7444088+02	.1292969+03	
47	.1958809+02	.7444415+02	.1293002+03	
48	.1959100+C2	.7444707+02	.1293031+C3	
49	.1959361+02	.7444968+02	.1293058+03	
50	.1959594+C2	.7445201+02	.1293081+C3	
51	.1959801+02	.7445409+02	.1293102+C3	
52	.1959987+C2	.7445595+02	.1293120+C3	
53	.1960153+C2	.7445761+02	.1293137+03	
54	.1960301+02	.7445909+02	.1293152+03	
55	.1960433+C2	.7446042+02	.1293165+C3	
56	.1960552+02	.7446160+02	.1293177+03	
57	.1960657+C2	.7446266+02	.1293187+03	
58	.1960751+C2	.7446360+02	.1293197+C3	
59	.1960836+02	.7446444+02	.1293205+03	
60	.1960911+C2	.7446519+02	.1293213+C3	
61	.1960978+02	.7446587+02	.1293219+03	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = ALASKA #17: NONVIOLENT CRIME, NATIVE 83 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.40011+02
2	AUTOREGRESSIVE 1	1	.24759+00
3	MOVING AVERAGE 1	5	-.15263+00
4	MOVING AVERAGE 1	11	-.37112+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 61

FORECAST TIME ORIGINS ARE T= 83

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 83 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1437210+02	.3764577+02	.6091945+02	
2	.1521556+02	.3919193+02	.6316836+02	
3	.2076695+02	.4478579+02	.6880463+02	
4	.1397999+02	.3800143+02	.6202287+02	
5	.1459392+02	.3861552+02	.6263712+02	
6	.1887897+02	.4316496+02	.6745098+02	
7	.1673214+02	.4103426+02	.6533639+02	
8	.1430808+02	.3861119+02	.6291430+02	
9	.1538289+02	.3968606+02	.6398923+02	
10	.7308208+01	.3161138+02	.5591456+02	
11	.1182491+02	.3612809+02	.6043126+02	
12	.1325672+02	.3904943+02	.6484214+02	
13	.1389150+02	.3977273+02	.6565396+02	
14	.1406517+02	.3995182+02	.6583847+02	
15	.1410918+02	.3999616+02	.6588314+02	
16	.1412014+02	.4000714+02	.6589414+02	
17	.1412286+02	.4000986+02	.6589686+02	
18	.1412353+02	.4001053+02	.6589753+02	
19	.1412370+02	.4001070+02	.6589770+02	
20	.1412374+02	.4001074+02	.6589774+02	
21	.1412375+02	.4001075+02	.6589775+02	
22	.1412375+02	.4001075+02	.6589775+02	
23	.1412375+02	.4001075+02	.6589775+02	
24	.1412375+02	.4001075+02	.6589775+02	
25	.1412375+02	.4001075+02	.6589775+02	
26	.1412375+02	.4001075+02	.6589775+02	
27	.1412375+02	.4001075+02	.6589775+02	
28	.1412375+02	.4001075+02	.6589775+02	
29	.1412375+02	.4001075+02	.6589775+02	
30	.1412375+02	.4001075+02	.6589775+02	
31	.1412375+02	.4001075+02	.6589775+02	
32	.1412375+02	.4001075+02	.6589775+02	
33	.1412375+02	.4001075+02	.6589775+02	
34	.1412375+02	.4001075+02	.6589775+02	
35	.1412375+02	.4001075+02	.6589775+02	
36	.1412375+02	.4001075+02	.6589775+02	
37	.1412375+02	.4001075+02	.6589775+02	
38	.1412375+02	.4001075+02	.6589775+02	
39	.1412375+02	.4001075+02	.6589775+02	
40	.1412375+02	.4001075+02	.6589775+02	
41	.1412375+02	.4001075+02	.6589775+02	
42	.1412375+02	.4001075+02	.6589775+02	
43	.1412375+02	.4001075+02	.6589775+02	
44	.1412375+02	.4001075+02	.6589775+02	
45	.1412375+02	.4001075+02	.6589775+02	
46	.1412375+02	.4001075+02	.6589775+02	
47	.1412375+02	.4001075+02	.6589775+02	
48	.1412375+02	.4001075+02	.6589775+02	
49	.1412375+02	.4001075+02	.6589775+02	
50	.1412375+02	.4001075+02	.6589775+02	
51	.1412375+02	.4001075+02	.6589775+02	
52	.1412375+02	.4001075+02	.6589775+02	
53	.1412375+02	.4001075+02	.6589775+02	
54	.1412375+02	.4001075+02	.6589775+02	
55	.1412375+02	.4001075+02	.6589775+02	
56	.1412375+02	.4001075+02	.6589775+02	
57	.1412375+02	.4001075+02	.6589775+02	
58	.1412375+02	.4001075+02	.6589775+02	
59	.1412375+02	.4001075+02	.6589775+02	
60	.1412375+02	.4001075+02	.6589775+02	
61	.1412375+02	.4001075+02	.6589775+02	

B. OREGON

1. Violent Crime

   a. Statewide Total
      i. over 18
      ii. under 18
      iii. non-white

   b. Region 1
      i. over 18
      ii. under 18
      iii. non-white

   c. Region 2
      i. over 18
      ii. under 18
      iii. non-white

   d. Region 3
      i. over 18
      ii. under 18
      iii. non-white

   e. Region 4
      i. over 18
      ii. under 18
      iii. non-white

   f. Region 5
      i. over 18
      ii. under 18
      iii. non-white

   g. Region 6
      i. over 18
      ii. under 18
      iii. non-white

   h. Region 7
      i. over 18
      ii. under 18
      iii. non-white

2. Non Violent Crime

   a. Statewide Total
      i. over 18
      ii. under 18
      iii. non-white

b. Region 1
   i. over 18
   ii. under 18
   iii. non-white

c. Region 2
   i. over 18
   ii. under 18
   iii. non-white

d. Region 3
   i. over 18
   ii. under 18
   iii. non-white

e. Region 4
   i. over 18
   ii. under 18
   iii. non-white

f. Region 5
   i. over 18
   ii. under 18
   iii. non-white

g. Region 6
   i. over 18
   ii. under 18
   iii. non-white

h. Region 7
   i. over 18
   ii. under 18
   iii. non-white

-2 .6046540-02

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON STATEWIDE: OVER EIGHTEEN VIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1 2) 1 OF ORDER 12

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.65273+00
2	MOVING AVERAGE 1	12	.43207+00
3	TREND CONSTANT		.18466+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5192901+03	.6066273+03	.6939646+03	
2	.4472296+03	.5396835+03	.6321371+03	
3	.4876456+03	.5849472+03	.6822486+03	
4	.4965545+03	.5964733+03	.7003921+03	
5	.5766419+03	.6829777+03	.7893136+03	
6	.5909349+03	.7015116+03	.8120882+03	
7	.5755338+03	.6901945+03	.8048552+03	
8	.6159531+03	.7345573+03	.8531615+03	
9	.5335426+03	.6559634+03	.7763841+03	
10	.5024797+03	.6286016+03	.7547234+03	
11	.5435970+03	.6733144+03	.8030318+03	
12	.6025787+03	.7357946+03	.8690105+03	
13	.5679129+03	.7232686+03	.8786242+03	
14	.5011337+03	.6561713+03	.8152090+03	
15	.5465798+03	.7052817+03	.8639836+03	
16	.5603056+03	.7206545+03	.8810033+03	
17	.6450265+03	.8070056+03	.9689846+03	
18	.6637930+03	.8273860+03	.9909790+03	
19	.6527245+03	.8179156+03	.9831068+03	
20	.6973511+03	.8641251+03	.1030899+04	
21	.6190356+03	.7873776+03	.9557198+03	
22	.5919671+03	.7618627+03	.9317582+03	
23	.6369671+03	.8064221+03	.9798570+03	
24	.6997882+03	.8727489+03	.1045710+04	
25	.6745193+03	.8620696+03	.1049620+04	
26	.6106280+03	.7988190+03	.9870100+03	
27	.6589464+03	.8477760+03	.1036606+04	
28	.6755294+03	.8649954+03	.1054461+04	
29	.7630929+03	.9531932+03	.1143293+04	
30	.7846878+03	.9754203+03	.1166153+04	
31	.7764340+03	.9677965+03	.1159159+04	
32	.8238621+03	.1015853+04	.1207643+04	
33	.7463355+03	.9409520+03	.1133569+04	
34	.7240430+03	.9172835+03	.1110524+04	
35	.7718272+03	.9656896+03	.1159552+04	
36	.8373808+03	.1031863+04	.1226345+04	
37	.8179362+03	.1023030+04	.1228125+04	
38	.7563720+03	.9616264+03	.1166881+04	
39	.8070155+03	.1012430+04	.1217845+04	
40	.8259216+03	.1031496+04	.1237071+04	
41	.9158061+03	.1121541+04	.1327275+04	
42	.9397201+03	.1145614+04	.1351509+04	
43	.9337834+03	.1139837+04	.1345891+04	
44	.9835266+03	.1169740+04	.1395953+04	
45	.9103132+03	.1116676+04	.1323059+04	
46	.8863321+03	.1094864+04	.1301396+04	
47	.9384257+03	.1145117+04	.1351808+04	
48	.1006287+04	.1213137+04	.1419987+04	
49	.9914010+03	.1206151+04	.1420901+04	
50	.9318426+03	.1146594+04	.1361345+04	
51	.9844918+03	.1199244+04	.1413996+04	
52	.1005403+04	.1220157+04	.1434910+04	
53	.1097293+04	.1312046+04	.1526802+04	
54	.1123212+04	.1337966+04	.1552724+04	
55	.1119281+04	.1334036+04	.1548795+04	
56	.1171029+04	.1385787+04	.1600545+04	
57	.1099621+04	.1314426+04	.1529339+04	
58	.1079644+04	.1294605+04	.1509365+04	
59	.1131943+04	.1346704+04	.1561465+04	
60	.1201806+04	.1416571+04	.1631333+04	

```
TIME SERIES FORECASTING FOR MODEL  1
**********************************************************************************************************
DATA -   Z = OREGON STATEWIDE:  VIOLENT CRIMES, NONWHITE                                   84 OBSERVATIONS
DIFFERENCING ON  Z - 1) I OF ORDER  1
TRANSFORMATIONS EXAMINED - NONE
**********************************************************************************************************
UNIVARIATE MODEL PARAMETERS
**********************************************************************************************************
PARAMETER          PARAMETER          PARAMETER      BEGINNING
 NUMBER             TYPE               ORDER           VALUE
**********************************************************************************************************
    1          MOVING AVERAGE 1          1          .61025+00
    2          TREND CONSTANT                       .78294+00
**********************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =        1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =     60
FORECAST TIME ORIGINS ARE T=                  84
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
```

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.9073362+02	.1191516+03	.1475699+03	
2	.8943438+02	.1199347+03	.1504350+03	
3	.8826647+02	.1207177+03	.1531666+03	
4	.8721315+02	.1215006+03	.1557880+03	
5	.8625149+02	.1222835+03	.1583156+03	
6	.8537049+02	.1230665+03	.1607625+03	
7	.8455989+02	.1238494+03	.1631389+03	
8	.8381146+02	.1246324+03	.1654532+03	
9	.8311843+02	.1254153+03	.1677122+03	
10	.8247520+02	.1261982+03	.1699213+03	
11	.8187704+02	.1269812+03	.1720853+03	
12	.8131993+02	.1277641+03	.1742083+03	
13	.8080042+02	.1285471+03	.1762937+03	
14	.8031550+02	.1293300+03	.1783445+03	
15	.7986256+02	.1301129+03	.1803633+03	
16	.7943930+02	.1308959+03	.1823524+03	
17	.7904367+02	.1316788+03	.1843139+03	
18	.7867386+02	.1324618+03	.1862496+03	
19	.7832824+02	.1332447+03	.1881611+03	
20	.7800535+02	.1340276+03	.1900499+03	
21	.7770387+02	.1348106+03	.1919173+03	
22	.7742261+02	.1355935+03	.1937644+03	
23	.7716047+02	.1363764+03	.1955924+03	
24	.7691645+02	.1371594+03	.1974023+03	
25	.7668965+02	.1379423+03	.1991950+03	
26	.7647922+02	.1387253+03	.2009713+03	
27	.7628446+02	.1395082+03	.2027320+03	
28	.7610448+02	.1402911+03	.2044778+03	
29	.7593879+02	.1410741+03	.2062094+03	
30	.7578671+02	.1418570+03	.2079273+03	
31	.7564769+02	.1426400+03	.2096323+03	
32	.7552118+02	.1434229+03	.2113246+03	
33	.7540669+02	.1442058+03	.2130050+03	
34	.7530376+02	.1449888+03	.2146736+03	
35	.7521195+02	.1457717+03	.2163315+03	
36	.7513085+02	.1465547+03	.2179785+03	
37	.7506006+02	.1473376+03	.2196151+03	
38	.7499920+02	.1481205+03	.2212418+03	
39	.7494810+02	.1489035+03	.2228589+03	
40	.7490623+02	.1496864+03	.2244666+03	
41	.7487335+02	.1504694+03	.2260654+03	
42	.7484919+02	.1512523+03	.2276554+03	
43	.7483346+02	.1520352+03	.2292370+03	
44	.7482591+02	.1528182+03	.2308105+03	
45	.7482630+02	.1536011+03	.2323760+03	
[illegible]	[illegible]	[illegible]	[illegible]	
47	.7484993+02	.1551670+03	.2354841+03	
48	.7487275+02	.1559499+03	.2370271+03	
49	.7490263+02	.1567329+03	.2385631+03	
50	.7493938+02	.1575156+03	.2400923+03	
51	.7498281+02	.1582986+03	.2416147+03	
52	.7503275+02	.1590817+03	.2431307+03	
53	.7508902+02	.1598646+03	.2446403+03	
54	.7515147+02	.1606476+03	.2461437+03	
55	.7521994+02	.1614305+03	.2476413+03	
56	.7529426+02	.1622135+03	.2491327+03	
57	.7537436+02	.1629964+03	.2506185+03	
58	.7546002+02	.1637793+03	.2520987+03	
59	.7555115+02	.1645623+03	.2535734+03	
60	.7564762+02	.1653452+03	.2550426+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.61247+00
2	AUTOREGRESSIVE 1	2	-.21766+00
3	TREND CONSTANT		.22890+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1412572+03	.1747811+03	.2083050+03	
2	.1431695+03	.1791226+03	.2150758+03	
3	.1386889+03	.1790179+03	.2193469+03	
4	.1356274+03	.1804261+03	.2252247+03	
5	.1337434+03	.1818754+03	.2300074+03	
6	.1314059+03	.1829702+03	.2345346+03	
7	.1295367+03	.1842732+03	.2390098+03	
8	.1278269+03	.1855259+03	.2432249+03	
9	.1262178+03	.1867641+03	.2473104+03	
10	.1247668+03	.1880221+03	.2512774+03	
11	.1234181+03	.1892711+03	.2551242+03	
12	.1221672+03	.1905213+03	.2588755+03	
13	.1210071+03	.1917728+03	.2625384+03	
14	.1199252+03	.1930232+03	.2661212+03	
15	.1189157+03	.1942740+03	.2696323+03	
16	.1179722+03	.1955246+03	.2730773+03	
17	.1170889+03	.1967755+03	.2764620+03	
18	.1162614+03	.1980262+03	.2797910+03	
19	.1154854+03	.1992770+03	.2830685+03	
20	.1147573+03	.2005277+03	.2862981+03	
21	.1140738+03	.2017784+03	.2894831+03	
22	.1134321+03	.2030292+03	.2926263+03	
23	.1128295+03	.2042799+03	.2957303+03	
24	.1122637+03	.2055307+03	.2987976+03	
25	.1117327+03	.2067814+03	.3018301+03	
26	.1112344+03	.2080321+03	.3048298+03	
27	.1107672+03	.2092829+03	.3077985+03	
28	.1103294+03	.2105336+03	.3107378+03	
29	.1099197+03	.2117843+03	.3136490+03	
30	.1095365+03	.2130351+03	.3165337+03	
31	.1091788+03	.2142858+03	.3193929+03	
32	.1088453+03	.2155366+03	.3222279+03	
33	.1085350+03	.2167873+03	.3250397+03	
34	.1082468+03	.2180380+03	.3278293+03	
35	.1079800+03	.2192888+03	.3305976+03	
36	.1077336+03	.2205395+03	.3333455+03	
37	.1075067+03	.2217903+03	.3360738+03	
38	.1072988+03	.2230410+03	.3387832+03	
39	.1071090+03	.2242917+03	.3414745+03	
40	.1069366+03	.2255425+03	.3441483+03	
41	.1067812+03	.2267932+03	.3468052+03	
42	.1066421+03	.2280440+03	.3494459+03	
43	.1065186+03	.2292947+03	.3520708+03	
44	.1064104+03	.2305454+03	.3546805+03	
45	.1063169+03	.2317962+03	.3572754+03	
46	.1062377+03	.2330469+03	.3598562+03	
47	.1061723+03	.2342977+03	.3624231+03	
48	.1061202+03	.2355484+03	.3649766+03	
49	.1060811+03	.2367991+03	.3675172+03	
50	.1060547+03	.2380499+03	.3700451+03	
51	.1060404+03	.2393006+03	.3725608+03	
52	.1060381+03	.2405514+03	.3750646+03	
53	.1060473+03	.2418021+03	.3775569+03	
54	.1060678+03	.2430528+03	.3800378+03	
55	.1060993+03	.2443036+03	.3825079+03	
56	.1061414+03	.2455543+03	.3849673+03	
57	.1061939+03	.2468051+03	.3874163+03	
58	.1062565+03	.2480558+03	.3898551+03	
59	.1063290+03	.2493065+03	.3922841+03	
60	.1064111+03	.2505573+03	.3947035+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.81671+00
2	TREND CONSTANT		.87563-01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1217419+02	.2713628+02	.4209837+02	
2	.1201250+02	.2722384+02	.4243518+02	
3	.1185483+02	.2731140+02	.4276797+02	
4	.1170100+02	.2739896+02	.4309693+02	
5	.1155082+02	.2748653+02	.4342223+02	
6	.1140414+02	.2757409+02	.4374404+02	
7	.1126080+02	.2766165+02	.4406250+02	
8	.1112067+02	.2774921+02	.4437776+02	
9	.1098361+02	.2783677+02	.4468994+02	
10	.1084951+02	.2792434+02	.4499917+02	
11	.1071825+02	.2801190+02	.4530555+02	
12	.1058972+02	.2809946+02	.4560920+02	
13	.1046383+02	.2818702+02	.4591022+02	
14	.1034047+02	.2827459+02	.4620870+02	
15	.1021957+02	.2836215+02	.4650472+02	
16	.1010104+02	.2844971+02	.4679838+02	
17	.9984801+01	.2853727+02	.4708975+02	
18	.9870773+01	.2862484+02	.4737890+02	
19	.9758889+01	.2871240+02	.4766591+02	
20	.9649082+01	.2879996+02	.4795084+02	
21	.9541289+01	.2888752+02	.4823376+02	
22	.9435446+01	.2897508+02	.4851472+02	
23	.9331504+01	.2906265+02	.4879379+02	
24	.9229400+01	.2915021+02	.4907102+02	
25	.9129085+01	.2923777+02	.4934646+02	
26	.9030509+01	.2932533+02	.4962016+02	
27	.8933625+01	.2941290+02	.4989217+02	
28	.8838388+01	.2950046+02	.5016253+02	
29	.8744754+01	.2958802+02	.5043129+02	
30	.8652681+01	.2967558+02	.5069849+02	
31	.8562130+01	.2976315+02	.5096416+02	
32	.8473063+01	.2985071+02	.5122835+02	
33	.8385444+01	.2993827+02	.5149110+02	
34	.8299237+01	.3002583+02	.5175243+02	
35	.8214409+01	.3011339+02	.5201238+02	
36	.8130928+01	.3020096+02	.5227099+02	
37	.8048762+01	.3028852+02	.5252828+02	
38	.7967881+01	.3037608+02	.5278428+02	
39	.7888257+01	.3046364+02	.5303903+02	
40	.7809863+01	.3055121+02	.5329255+02	
41	.7732670+01	.3063877+02	.5354487+02	
42	.7656654+01	.3072633+02	.5379601+02	
43	.7581790+01	.3081389+02	.5404600+02	
44	.7508054+01	.3090146+02	.5429486+02	
45	.7435422+01	.3098902+02	.5454261+02	
46	.7363873+01	.3107658+02	.5478929+02	
47	.7293384+01	.3116414+02	.5503490+02	
48	.7223934+01	.3125170+02	.5527948+02	
49	.7155504+01	.3133927+02	.5562303+02	
50	.7088074+01	.3142683+02	.5576558+02	
51	.7021625+01	.3151439+02	.5600716+02	
52	.6956138+01	.3160195+02	.5624777+02	
53	.6891595+01	.3168952+02	.5648744+02	
54	.6827980+01	.3177708+02	.5672618+02	
55	.6765275+01	.3186464+02	.5696401+02	
56	.6703465+01	.3195220+02	.5720094+02	
57	.6642533+01	.3203977+02	.5743700+02	
58	.6582465+01	.3212733+02	.5767219+02	
59	.6523244+01	.3221489+02	.5790654+02	
60	.6464857+01	.3230245+02	.5814005+02	

```
TIME SERIES FORECASTING FOR MODEL  I
*************************************************************************************************
DATA -   Z = OREGON #1:  VIOLENT CRIME,  NONWHITE                                   84 OBSERVATIONS
DIFFERENCING ON   Z - 1) I OF ORDER  1
TRANSFORMATIONS EXAMINED - NONE
*************************************************************************************************
UNIVARIATE MODEL PARAMETERS
*************************************************************************************************
PARAMETER          PARAMETER          PARAMETER      BEGINNING
 NUMBER              TYPE              ORDER          VALUE
*************************************************************************************************
    1          MOVING AVERAGE 1          1          .67005+00
    2          TREND CONSTANT                       .44074+00
*************************************************************************************************
NUMBER OF TIME ORIGINS FOR FORECASTS =        1
NUMBER OF FORECASTS AT EACH TIME ORIGIN =    60
FORECAST TIME ORIGINS ARE T=                 84
BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS
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REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF, LIMIT	ACTUAL, IF KNOWN
1	.5157218+02	.7550869+02	.9944519+02	
2	.5074366+02	.7594942+02	.1011552+03	
3	.4997606+02	.7639016+02	.1028043+03	
4	.4926136+02	.7683089+02	.1044004+03	
5	.4859318+02	.7727163+02	.1059501+03	
6	.4796631+02	.7771236+02	.1074684+03	
7	.4737646+02	.7815310+02	.1089297+03	
8	.4682001+02	.7859384+02	.1103677+03	
9	.4629392+02	.7903457+02	.1117752+03	
10	.4579557+02	.7947531+02	.1131550+03	
11	.4532271+02	.7991604+02	.1145094+03	
12	.4487336+02	.8035678+02	.1158402+03	
13	.4444580+02	.8079751+02	.1171492+03	
14	.4403850+02	.8123825+02	.1184380+03	
15	.4365010+02	.8167899+02	.1197079+03	
16	.4327940+02	.8211972+02	.1209600+03	
17	.4292531+02	.8256046+02	.1221956+03	
18	.4258685+02	.8300119+02	.1234155+03	
19	.4226314+02	.8344193+02	.1246207+03	
20	.4195335+02	.8388267+02	.1258120+03	
21	.4165677+02	.8432340+02	.1269900+03	
22	.4137271+02	.8476414+02	.1281556+03	
23	.4110056+02	.8520487+02	.1293092+03	
24	.4083976+02	.8564561+02	.1304515+03	
25	.4058977+02	.8608634+02	.1315829+03	
26	.4035011+02	.8652708+02	.1327041+03	
27	.4012033+02	.8696782+02	.1338153+03	
28	.3990001+02	.8740855+02	.1349171+03	
29	.3968877+02	.8784929+02	.1360098+03	
30	.3948623+02	.8829002+02	.1370938+03	
31	.3929207+02	.8873076+02	.1381695+03	
32	.3910595+02	.8917150+02	.1392370+03	
33	.3892759+02	.8961223+02	.1402969+03	
34	.3875670+02	.9005297+02	.1413492+03	
35	.3859301+02	.9049370+02	.1423944+03	
36	.3843629+02	.9093444+02	.1434326+03	
37	.3828629+02	.9137517+02	.1444641+03	
38	.3814279+02	.9181591+02	.1454890+03	
39	.3800558+02	.9225665+02	.1465077+03	
40	.3787446+02	.9269738+02	.1475203+03	
41	.3774925+02	.9313812+02	.1485270+03	
42	.3762976+02	.9357885+02	.1495279+03	
43	.3751582+02	.9401959+02	.1505234+03	
44	.3740728+02	.9446033+02	.1515134+03	
45	.3730398+02	.9490106+02	.1524981+03	
46	.3720576+02	.9534180+02	.1534778+03	
47	.3711250+02	.9578253+02	.1544526+03	
48	.3702405+02	.9622327+02	.1554225+03	
49	.3694030+02	.9666400+02	.1563877+03	
50	.3686111+02	.9710474+02	.1573484+03	
51	.3678636+02	.9754548+02	.1583046+03	
52	.3671596+02	.9798621+02	.1592565+03	
53	.3664978+02	.9842695+02	.1602041+03	
54	.3658773+02	.9886768+02	.1611476+03	
55	.3652971+02	.9930842+02	.1620871+03	
56	.3647561+02	.9974916+02	.1630227+03	
57	.3642536+02	.1001899+03	.1639544+03	
58	.3637886+02	.1006306+03	.1648824+03	
59	.3633603+02	.1010714+03	.1658067+03	
60	.3629678+02	.1015121+03	.1667274+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: OVER EIGHTEEN VIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.47362+00
2	AUTOREGRESSIVE 1	2	-.89232-01
3	AUTOREGRESSIVE 1	4	-.49058+00
4	TREND CONSTANT		.14344+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6270189+02	.8526307+02	.1078243+03	
2	.6078427+02	.8628018+02	.1117761+03	
3	.5833574+02	.8787807+02	.1174204+03	
4	.6392508+02	.9660478+02	.1296845+03	
5	.5627707+02	.8932452+02	.1223720+03	
6	.5716530+02	.9300623+02	.1288472+03	
7	.5577452+02	.9258053+02	.1293866+03	
8	.5129498+02	.8950881+02	.1277226+03	
9	.5493710+02	.9610571+02	.1372743+03	
10	.5102212+02	.9288367+02	.1347452+03	
11	.5148150+02	.9546431+02	.1394471+03	
12	.5226339+02	.9747093+02	.1426785+03	
13	.4841436+02	.9448843+02	.1405625+03	
14	.5067064+02	.9873704+02	.1468034+03	
15	.4831887+02	.9715939+02	.1459999+03	
16	.4765812+02	.9797751+02	.1482969+03	
17	.4896899+02	.1006284+03	.1522878+03	
18	.4617335+02	.9865005+02	.1511267+03	
19	.4751995+02	.1015589+03	.1555978+03	
20	.4649039+02	.1013908+03	.1562913+03	
21	.4533608+02	.1013448+03	.1573536+03	
22	.4652347+02	.1037866+03	.1610497+03	
23	.4457973+02	.1026417+03	.1607036+03	
24	.4515327+02	.1044829+03	.1638126+03	
25	.4492052+02	.1051700+03	.1654195+03	
26	.4373196+02	.1049169+03	.1661017+03	
27	.4464610+02	.1069716+03	.1692970+03	
28	.4342890+02	.1065522+03	.1696754+03	
29	.4348115+02	.1076648+03	.1718485+03	
30	.4362503+02	.1087339+03	.1738428+03	
31	.4260118+02	.1085547+03	.1745083+03	
32	.4320211+02	.1101844+03	.1771666+03	
33	.4253477+02	.1103171+03	.1780995+03	
34	.4231179+02	.1110188+03	.1797258+03	
35	.4259075+02	.1121970+03	.1818032+03	
36	.4181164+02	.1122113+03	.1826410+03	
37	.4213914+02	.1134687+03	.1847983+03	
38	.4183858+02	.1139621+03	.1860857+03	
39	.4151344+02	.1144777+03	.1874319+03	
40	.4179683+02	.1156142+03	.1894316+03	
41	.4126657+02	.1158456+03	.1904247+03	
42	.4139794+02	.1168265+03	.1922551+03	
43	.4131831+02	.1175253+03	.1937322+03	
44	.4099832+02	.1179812+03	.1949641+03	
45	.4122868+02	.1190239+03	.1968190+03	
46	.4090958+02	.1194426+03	.1979756+03	
47	.4092308+02	.1202429+03	.1995627+03	
48	.4096162+02	.1210372+03	.2011129+03	
49	.4070283+02	.1215125+03	.2023223+03	
50	.4086807+02	.1224456+03	.2040231+03	
51	.4070908+02	.1230031+03	.2052971+03	
52	.4066821+02	.1237005+03	.2067328+03	
53	.4075996+02	.1245217+03	.2082835+03	
54	.4058270+02	.1250473+03	.2095118+03	
55	.4069374+02	.1258860+03	.2110783+03	
56	.4064635+02	.1265342+03	.2124220+03	
57	.4059557+02	.1271839+03	.2137723+03	
58	.4070470+02	.1279950+03	.2152852+03	
59	.4060801+02	.1285758+03	.2165436+03	
60	.4068410+02	.1293448+03	.2180055+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: UNDER EIGHTEEN VIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11476+02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS.

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.3041927+01	.1147619+02	.1991045+02	
2	.3041927+01	.1147619+02	.1991045+02	
3	.3041927+01	.1147619+02	.1991045+02	
4	.3041927+01	.1147619+02	.1991045+02	
5	.3041927+01	.1147619+02	.1991045+02	
6	.3041927+01	.1147619+02	.1991045+02	
7	.3041927+01	.1147619+02	.1991045+02	
8	.3041927+01	.1147619+02	.1991045+02	
9	.3041927+01	.1147619+02	.1991045+02	
10	.3041927+01	.1147619+02	.1991045+02	
11	.3041927+01	.1147619+02	.1991045+02	
12	.3041927+01	.1147619+02	.1991045+02	
13	.3041927+01	.1147619+02	.1991045+02	
14	.3041927+01	.1147619+02	.1991045+02	
15	.3041927+01	.1147619+02	.1991045+02	
16	.3041927+01	.1147619+02	.1991045+02	
17	.3041927+01	.1147619+02	.1991045+02	
18	.3041927+01	.1147619+02	.1991045+02	
19	.3041927+01	.1147619+02	.1991045+02	
20	.3041927+01	.1147619+02	.1991045+02	
21	.3041927+01	.1147619+02	.1991045+02	
22	.3041927+01	.1147619+02	.1991045+02	
23	.3041927+01	.1147619+02	.1991045+02	
24	.3041927+01	.1147619+02	.1991045+02	
25	.3041927+01	.1147619+02	.1991045+02	
26	.3041927+01	.1147619+02	.1991045+02	
27	.3041927+01	.1147619+02	.1991045+02	
28	.3041927+01	.1147619+02	.1991045+02	
29	.3041927+01	.1147619+02	.1991045+02	
30	.3041927+01	.1147619+02	.1991045+02	
31	.3041927+01	.1147619+02	.1991045+02	
32	.3041927+01	.1147619+02	.1991045+02	
33	.3041927+01	.1147619+02	.1991045+02	
34	.3041927+01	.1147619+02	.1991045+02	
35	.3041927+01	.1147619+02	.1991045+02	
36	.3041927+01	.1147619+02	.1991045+02	
37	.3041927+01	.1147619+02	.1991045+02	
38	.3041927+01	.1147619+02	.1991045+02	
39	.3041927+01	.1147619+02	.1991045+02	
40	.3041927+01	.1147619+02	.1991045+02	
41	.3041927+01	.1147619+02	.1991045+02	
42	.3041927+01	.1147619+02	.1991045+02	
43	.3041927+01	.1147619+02	.1991045+02	
44	.3041927+01	.1147619+02	.1991045+02	
45	.3041927+01	.1147619+02	.1991045+02	
46	.3041927+01	.1147619+02	.1991045+02	
47	.3041927+01	.1147619+02	.1991045+02	
48	.3041927+01	.1147619+02	.1991045+02	
49	.3041927+01	.1147619+02	.1991045+02	
50	.3041927+01	.1147619+02	.1991045+02	
51	.3041927+01	.1147619+02	.1991045+02	
52	.3041927+01	.1147619+02	.1991045+02	
53	.3041927+01	.1147619+02	.1991045+02	
54	.3041927+01	.1147619+02	.1991045+02	
55	.3041927+01	.1147619+02	.1991045+02	
56	.3041927+01	.1147619+02	.1991045+02	
57	.3041927+01	.1147619+02	.1991045+02	
58	.3041927+01	.1147619+02	.1991045+02	
59	.3041927+01	.1147619+02	.1991045+02	
60	.3041927+01	.1147619+02	.1991045+02	

TIME SERIES FORECASTING FOR MODEL I

****

DATA - Z = OREGON #2: NATIVES ARRESTED FOR VIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.48308+01
2	AUTOREGRESSIVE 1	1	.26578+00
3	AUTOREGRESSIVE 1	2	.33348+00
4	AUTOREGRESSIVE 1	8	.38960+00
5	AUTOREGRESSIVE 1	12	-.93387-01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1371016+01	.5177671+01	.8984185+01	
2	.2646370+01	.6585106+01	.1052384+02	
3	.3369097+01	.7597580+01	.1182606+02	
4	.2016912+01	.6310737+01	.1060456+02	
5	.4275536+01	.8627885+01	.1298023+02	
6	.2508345+01	.6882669+01	.1125699+02	
7	.2226591+01	.6615184+01	.1100378+02	
8	.2330086+01	.6725237+01	.1112039+02	
9	.7884912+00	.5488354+01	.1018822+02	
10	.1329801+01	.6118221+01	.1090664+02	
11	.1372637+01	.6360991+01	.1134934+02	
12	.9594207+00	.6040828+01	.1112224+02	
13	.1987431+01	.7109632+01	.1223183+02	
14	.1321696+01	.6475560+01	.1162942+02	
15	.1298219+01	.6464701+01	.1163118+02	
16	.1237643+01	.6413414+01	.1158918+02	
17	.4629446+00	.5697887+01	.1093283+02	
18	.6264855+00	.5898984+01	.1117148+02	
19	.4776763+00	.5833378+01	.1118908+02	
20	.3307644+00	.5747993+01	.1116522+02	
21	.7820673+00	.6235330+01	.1168859+02	
22	.5470895+00	.6030527+01	.1151396+02	
23	.6157080+00	.6111710+01	.1160771+02	
24	.5695589+00	.6074907+01	.1158025+02	
25	.1895342+00	.5713620+01	.1123771+02	
26	.2029140+00	.5742885+01	.1128286+02	
27	.3372979-01	.5605635+01	.1117754+02	
28	-.5223382-01	.5550440+01	.1115311+02	
29	.1194639+00	.5746685+01	.1137391+02	
30	.3245491-01	.5681866+01	.1133128+02	
31	.1066527+00	.5767838+01	.1142902+02	
32	.9289235-01	.5762707+01	.1143252+02	
33	-.7528740-01	.5603747+01	.1128278+02	
34	-.9663421-01	.5590315+01	.1127726+02	
35	-.2272836+00	.5472681+01	.1117265+02	
36	-.2951713+00	.5418871+01	.1113291+02	
37	-.2522821+00	.5475536+01	.1120335+02	
38	-.2967516+00	.5444665+01	.1118608+02	
39	-.2488773+00	.5501669+01	.1125221+02	
40	-.2479172+00	.5509680+01	.1126728+02	
41	-.3129349+00	.5450562+01	.1121406+02	
42	-.3299210+00	.5438341+01	.1120660+02	
43	-.4128329+00	.5361521+01	.1113587+02	
44	-.4643847+00	.5316543+01	.1109747+02	
45	-.4721134+00	.5315891+01	.1110390+02	
46	-.5055111+00	.5289946+01	.1108540+02	
47	-.4854289+00	.5316027+01	.1111748+02	
48	-.4840327+00	.5322453+01	.1112894+02	
49	-.5059924+00	.5304535+01	.1111506+02	
50	-.5136817+00	.5300037+01	.1111376+02	
51	-.5594249+00	.5257614+01	.1107465+02	
52	-.5938141+00	.5226568+01	.1104695+02	
53	-.6145579+00	.5209436+01	.1103343+02	
54	-.6423200+00	.5185562+01	.1101344+02	
55	-.6405762+00	.5190839+01	.1102225+02	
56	-.6436350+00	.5190984+01	.1102560+02	
57	-.6514337+00	.5185862+01	.1102316+02	
58	-.6542425+00	.5185220+01	.1102468+02	
59	-.6770926+00	.5164378+01	.1100585+02	
60	-.6974168+00	.5145928+01	.1098927+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.43966+00
2	AUTOREGRESSIVE 1	2	-.38592+00
3	AUTOREGRESSIVE 1	5	-.11970+00
4	TREND CONSTANT		.18349+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.7462039+02	.9951875+02	.1244171+03	
2	.7750495+02	.1060456+03	.1345863+03	
3	.7342789+02	.1034012+03	.1333744+03	
4	.7193664+02	.1056753+03	.1394140+03	
5	.6994862+02	.1066930+03	.1434374+03	
6	.6929746+02	.1072604+03	.1452234+03	
7	.6740791+02	.1076719+03	.1479358+03	
8	.6672168+02	.1094234+03	.1521252+03	
9	.6580426+02	.1100572+03	.1543102+03	
10	.6481443+02	.1108157+03	.1568169+03	
11	.6399193+02	.1120046+03	.1600473+03	
12	.6338707+02	.1129748+03	.1625626+03	
13	.6259084+02	.1137147+03	.1648385+03	
14	.6195983+02	.1147740+03	.1675881+03	
15	.6143145+02	.1157668+03	.1701022+03	
16	.6085406+02	.1166141+03	.1723741+03	
17	.6032612+02	.1175772+03	.1748282+03	
18	.5989347+02	.1185731+03	.1772527+03	
19	.5944522+02	.1194716+03	.1794981+03	
20	.5902300+02	.1204083+03	.1817936+03	
21	.5866276+02	.1213832+03	.1841036+03	
22	.5831383+02	.1223127+03	.1863116+03	
23	.5797828+02	.1232435+03	.1885087+03	
24	.5768513+02	.1242029+03	.1907206+03	
25	.5741131+02	.1251446+03	.1928780+03	
26	.5714956+02	.1260785+03	.1950075+03	
27	.5691624+02	.1270281+03	.1971400+03	
28	.5670383+02	.1279737+03	.1992436+03	
29	.5650392+02	.1289116+03	.2013192+03	
30	.5632442+02	.1298565+03	.2033885+03	
31	.5616405+02	.1308022+03	.2054403+03	
32	.5601672+02	.1317430+03	.2074692+03	
33	.5588525+02	.1326861+03	.2094869+03	
34	.5577035+02	.1336310+03	.2114916+03	
35	.5566836+02	.1345734+03	.2134784+03	
36	.5557968+02	.1355161+03	.2154524+03	
37	.5550519+02	.1364602+03	.2174152+03	
38	.5544295+02	.1374033+03	.2193636+03	
39	.5539246+02	.1383461+03	.2212997+03	
40	.5535424+02	.1392897+03	.2232252+03	
41	.5532735+02	.1402330+03	.2251387+03	
42	.5531110+02	.1411760+03	.2270409+03	
43	.5530565+02	.1421194+03	.2289331+03	
44	.5531055+02	.1430627+03	.2308149+03	
45	.5532519+02	.1440059+03	.2326865+03	
46	.5534951+02	.1449491+03	.2345487+03	
47	.5538325+02	.1458925+03	.2364017+03	
48	.5542595+02	.1468357+03	.2382454+03	
49	.5547743+02	.1477789+03	.2400803+03	
50	.5553750+02	.1487222+03	.2419069+03	
51	.5560584+02	.1496654+03	.2437250+03	
52	.5568222+02	.1506087+03	.2455351+03	
53	.5576647+02	.1515519+03	.2473374+03	
54	.5585836+02	.1524952+03	.2491320+03	
55	.5595766+02	.1534384+03	.2509192+03	
56	.5606422+02	.1543817+03	.2526991+03	
57	.5617785+02	.1553249+03	.2544720+03	
58	.5629834+02	.1562682+03	.2562380+03	
59	.5642556+02	.1572114+03	.2579973+03	
60	.5655934+02	.1581547+03	.2597501+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11357*02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5502683+00	.1135714+02	.2216402+02	
2	.5502683+00	.1135714+02	.2216402+02	
3	.5502683+00	.1135714+02	.2216402+02	
4	.5502683+00	.1135714+02	.2216402+02	
5	.5502683+00	.1135714+02	.2216402+02	
6	.5502683+00	.1135714+02	.2216402+02	
7	.5502683+00	.1135714+02	.2216402+02	
8	.5502683+00	.1135714+02	.2216402+02	
9	.5502683+00	.1135714+02	.2216402+02	
10	.5502683+00	.1135714+02	.2216402+02	
11	.5502683+00	.1135714+02	.2216402+02	
12	.5502683+00	.1135714+02	.2216402+02	
13	.5502683+00	.1135714+02	.2216402+02	
14	.5502683+00	.1135714+02	.2216402+02	
15	.5502683+00	.1135714+02	.2216402+02	
16	.5502683+00	.1135714+02	.2216402+02	
17	.5502683+00	.1135714+02	.2216402+02	
18	.5502683+00	.1135714+02	.2216402+02	
19	.5502683+00	.1135714+02	.2216402+02	
20	.5502683+00	.1135714+02	.2216402+02	
21	.5502683+00	.1135714+02	.2216402+02	
22	.5502683+00	.1135714+02	.2216402+02	
23	.5502683+00	.1135714+02	.2216402+02	
24	.5502683+00	.1135714+02	.2216402+02	
25	.5502683+00	.1135714+02	.2216402+02	
26	.5502683+00	.1135714+02	.2216402+02	
27	.5502683+00	.1135714+02	.2216402+02	
28	.5502683+00	.1135714+02	.2216402+02	
29	.5502683+00	.1135714+02	.2216402+02	
30	.5502683+00	.1135714+02	.2216402+02	
31	.5502683+00	.1135714+02	.2216402+02	
32	.5502683+00	.1135714+02	.2216402+02	
33	.5502683+00	.1135714+02	.2216402+02	
34	.5502683+00	.1135714+02	.2216402+02	
35	.5502683+00	.1135714+02	.2216402+02	
36	.5502683+00	.1135714+02	.2216402+02	
37	.5502683+00	.1135714+02	.2216402+02	
38	.5502683+00	.1135714+02	.2216402+02	
39	.5502683+00	.1135714+02	.2216402+02	
40	.5502683+00	.1135714+02	.2216402+02	
41	.5502683+00	.1135714+02	.2216402+02	
42	.5502683+00	.1135714+02	.2216402+02	
43	.5502683+00	.1135714+02	.2216402+02	
44	.5502683+00	.1135714+02	.2216402+02	
45	.5502683+00	.1135714+02	.2216402+02	
46	.5502683+00	.1135714+02	.2216402+02	
47	.5502683+00	.1135714+02	.2216402+02	
48	.5502683+00	.1135714+02	.2216402+02	
49	.5502683+00	.1135714+02	.2216402+02	
50	.5502683+00	.1135714+02	.2216402+02	
51	.5502683+00	.1135714+02	.2216402+02	
52	.5502683+00	.1135714+02	.2216402+02	
53	.5502683+00	.1135714+02	.2216402+02	
54	.5502683+00	.1135714+02	.2216402+02	
55	.5502683+00	.1135714+02	.2216402+02	
56	.5502683+00	.1135714+02	.2216402+02	
57	.5502683+00	.1135714+02	.2216402+02	
58	.5502683+00	.1135714+02	.2216402+02	
59	.5502683+00	.1135714+02	.2216402+02	
60	.5502683+00	.1135714+02	.2216402+02	

56	.2191925-02
57	.1997480-02

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: VIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.76622+01
2	AUTOREGRESSIVE 1	1	.30888+00
3	AUTOREGRESSIVE 1	2	.19561+00
4	AUTOREGRESSIVE 1	4	.29346+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5173483+01	.1414552+02	.2311756+02	
2	.3569382+01	.1295966+02	.2234997+02	
3	.6258065+00	.1037234+02	.2011887+02	
4	.4490559+01	.1432995+02	.2416933+02	
5	.1690759+01	.1215443+02	.2261810+02	
6	.1220910+01	.1190859+02	.2259627+02	
7	-.2509903+00	.1064784+02	.2154667+02	
8	.3727221+00	.1137171+02	.2237070+02	
9	-.4550039+00	.1071027+02	.2187555+02	
10	-.6930438+00	.1057542+02	.2184388+02	
11	-.1329789+01	.1003441+02	.2139861+02	
12	-.1372662+01	.1005335+02	.2147935+02	
13	-.1731466+01	.9759268+01	.2125000+02	
14	-.1906485+01	.9632563+01	.2117161+02	
15	-.2204815+01	.9377140+01	.2095909+02	
16	-.2334991+01	.9279017+01	.2089303+02	
17	-.2530372+01	.9112448+01	.2075527+02	
18	-.2661126+01	.9004622+01	.2067037+02	
19	-.2821667+01	.8863779+01	.2054923+02	
20	-.2930735+01	.8770389+01	.2047151+02	
21	-.3049401+01	.8665113+01	.2037963+02	
22	-.3142748+01	.8582685+01	.2030812+02	
23	-.3239342+01	.8495300+01	.2022994+02	
24	-.3317385+01	.8424780+01	.2016694+02	
25	-.3393466+01	.8355010+01	.2010349+02	
26	-.3458200+01	.8295476+01	.2004915+02	
27	-.3520226+01	.8237797+01	.1999582+02	
28	-.3573969+01	.8187641+01	.1994925+02	
29	-.3624209+01	.8140391+01	.1990499+02	
30	-.3668560+01	.8098516+01	.1986559+02	
31	-.3709724+01	.8059412+01	.1982855+02	
32	-.3746419+01	.8024424+01	.1979527+02	
33	-.3780161+01	.7992103+01	.1976437+02	
34	-.3810454+01	.7962987+01	.1973643+02	
35	-.3838224+01	.7936196+01	.1971062+02	
36	-.3863274+01	.7911958+01	.1968719+02	
37	-.3886161+01	.7889746+01	.1966565+02	
38	-.3906867+01	.7869600+01	.1964607+02	
39	-.3925762+01	.7851170+01	.1962810+02	
40	-.3942894+01	.7834424+01	.1961174+02	
41	-.3958511+01	.7819128+01	.1959677+02	
42	-.3972690+01	.7805216+01	.1958312+02	
43	-.3985608+01	.7792518+01	.1957065+02	
44	-.3997350+01	.7780961+01	.1955927+02	
45	-.4008044+01	.7770419+01	.1954888+02	
46	-.4017771+01	.7760819+01	.1953941+02	
47	-.4026629+01	.7752066+01	.1953076+02	
48	-.4034690+01	.7744092+01	.1952287+02	
49	-.4042031+01	.7736824+01	.1951568+02	
50	-.4048713+01	.7730202+01	.1950912+02	
51	-.4054799+01	.7724166+01	.1950313+02	
52	-.4060340+01	.7718667+01	.1949767+02	
53	-.4065387+01	.7713654+01	.1949270+02	
54	-.4069983+01	.7709087+01	.1948816+02	
55	-.4074169+01	.7704925+01	.1948402+02	
56	-.4077981+01	.7701132+01	.1948024+02	
57	-.4081455+01	.7697675+01	.1947680+02	
58	-.4084618+01	.7694525+01	.1947367+02	
59	-.4087500+01	.7691655+01	.1947081+02	
60	-.4090125+01	.7689039+01	.1946820+02	

TIME SERIES FORECASTING FOR MODEL I

DATA - Z = OREGON #4: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.31119+02
2	AUTOREGRESSIVE 1	4	-.22131+00
3	AUTOREGRESSIVE 1	5	.31016+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF, LIMIT	ACTUAL, IF KNOWN
1	.1561277+02	.3057730+02	.4554183+02	
2	.1468395+02	.2964848+02	.4461301+02	
3	.2039596+02	.3536049+02	.5032502+02	
4	.9458152+01	.2442268+02	.3938721+02	
5	.2176874+02	.3709534+02	.5242195+02	
6	.1526279+02	.3127676+02	.4729073+02	
7	.1371061+02	.2972458+02	.4573855+02	
8	.1790284+02	.3391681+02	.4993078+02	
9	.1168908+02	.2771981+02	.4375055+02	
10	.1677622+02	.3293805+02	.4909987+02	
11	.1525105+02	.3147687+02	.4770268+02	
12	.1384186+02	.3006768+02	.4629349+02	
13	.1651274+02	.3273937+02	.4896599+02	
14	.1342154+02	.2966249+02	.4590343+02	
15	.1533529+02	.3160434+02	.4787338+02	
16	.1518783+02	.3146300+02	.4773817+02	
17	.1415945+02	.3043467+02	.4670988+02	
18	.1566779+02	.3194425+02	.4822070+02	
19	.1427823+02	.3056018+02	.4684213+02	
20	.1490699+02	.3119374+02	.4748049+02	
21	.1509021+02	.3137748+02	.4766475+02	
22	.1443709+02	.3072446+02	.4701182+02	
23	.1521085+02	.3149897+02	.4778708+02	
24	.1463989+02	.3092948+02	.4721906+02	
25	.1479503+02	.3108532+02	.4737561+02	
26	.1499652+02	.3128683+02	.4757714+02	
27	.1462249+02	.3091288+02	.4720327+02	
28	.1498845+02	.3127913+02	.4756982+02	
29	.1477702+02	.3106801+02	.4735901+02	
30	.1478067+02	.3107175+02	.4736284+02	
31	.1492593+02	.3121701+02	.4750809+02	
32	.1472885+02	.3101997+02	.4731110+02	
33	.1488908+02	.3118029+02	.4747150+02	
34	.1482271+02	.3111398+02	.4740525+02	
35	.1479172+02	.3108300+02	.4737427+02	
36	.1488038+02	.3117165+02	.4746293+02	
37	.1478377+02	.3107506+02	.4736636+02	
38	.1484815+02	.3113946+02	.4743078+02	
39	.1483443+02	.3112575+02	.4741708+02	
40	.1480520+02	.3109652+02	.4738785+02	
41	.1485407+02	.3114540+02	.4743672+02	
42	.1480985+02	.3110118+02	.4739252+02	
43	.1483286+02	.3112419+02	.4741553+02	
44	.1483507+02	.3112641+02	.4741775+02	
45	.1481519+02	.3110653+02	.4739786+02	
46	.1484013+02	.3113147+02	.4742281+02	
47	.1482133+02	.3111267+02	.4740400+02	
48	.1482797+02	.3111931+02	.4741065+02	
49	.1483306+02	.3112440+02	.4741574+02	
50	.1482137+02	.3111271+02	.4740405+02	
51	.1483327+02	.3112461+02	.4741595+02	
52	.1482597+02	.3111731+02	.4740865+02	
53	.1482690+02	.3111824+02	.4740958+02	
54	.1483107+02	.3112241+02	.4741375+02	
55	.1482481+02	.3111615+02	.4740749+02	
56	.1483012+02	.3112146+02	.4741279+02	
57	.1482764+02	.3111898+02	.4741032+02	
58	.1482701+02	.3111835+02	.4740969+02	
59	.1482969+02	.3112103+02	.4741237+02	
60	.1482657+02	.3111791+02	.4740925+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #4: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.58906+01
2	AUTOREGRESSIVE 1	11	-.29558+00
3	AUTOREGRESSIVE 1	12	-.19285+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

CONTINUED

3 OF 5

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.9599379+00	.4179358+01	.9318654+01	
2	-.1759270+00	.4963369+01	.1010267+02	
3	.8009361+00	.5940232+01	.1107953+02	
4	.8910611+00	.6030357+01	.1116965+02	
5	.9937883+00	.6133084+01	.1127238+02	
6	-.2912562+00	.4848040+01	.9987336+01	
7	-.3687792+00	.4770517+01	.9909813+01	
8	.1392095+01	.6531391+01	.1167069+02	
9	.1276766+01	.6416062+01	.1155536+02	
10	.9937883+00	.6133084+01	.1127238+02	
11	.1482220+01	.6621516+01	.1176081+02	
12	.1402255+01	.6761354+01	.1212045+02	
13	.1045048+01	.6495027+01	.1194501+02	
14	.6051092+00	.6055088+01	.1150507+02	
15	.3900800+00	.5840059+01	.1129004+02	
16	.3423352+00	.5792314+01	.1124229+02	
17	.7023566+00	.6152335+01	.1160231+02	
18	.9730944+00	.6423073+01	.1187305+02	
19	.4675669+00	.5917545+01	.1136752+02	
20	.1620675+00	.5612046+01	.1106202+02	
21	.2679512+00	.5717930+01	.1116791+02	
22	.1781537+00	.5628132+01	.1107811+02	
23	.2416066-01	.5492604+01	.1096105+02	
24	.4461455-01	.5544357+01	.1104410+02	
25	.2226926+00	.5725755+01	.1122882+02	
26	.3710940+00	.5874157+01	.1137722+02	
27	.4266752+00	.5929738+01	.1143280+02	
28	.3294681+00	.5832531+01	.1133559+02	
29	.1800126+00	.5683075+01	.1118614+02	
30	.2772237+00	.5780286+01	.1128335+02	
31	.4650151+00	.5968078+01	.1147114+02	
32	.4926343+00	.5995697+01	.1149876+02	
33	.4987566+00	.6001819+01	.1150488+02	
34	.5545335+00	.6059196+01	.1156386+02	
35	.5592473+00	.6070036+01	.1158083+02	
36	.4930431+00	.6006438+01	.1151983+02	
37	.4140723+00	.5927590+01	.1144111+02	
38	.3690242+00	.5862542+01	.1139606+02	
39	.3870376+00	.5900556+01	.1141407+02	
40	.4499602+00	.5963478+01	.1147700+02	
41	.4500493+00	.5963567+01	.1147709+02	
42	.3757948+00	.5889313+01	.1140283+02	
43	.3314151+00	.5844933+01	.1135845+02	
44	.3242791+00	.5837797+01	.1135132+02	
45	.3059993+00	.5819657+01	.1133331+02	
46	.2907796+00	.5805388+01	.1132000+02	
47	.3065773+00	.5822096+01	.1133761+02	
48	.3419759+00	.5857666+01	.1137336+02	
49	.3704926+00	.5886188+01	.1140188+02	
50	.3738558+00	.5889551+01	.1140525+02	
51	.3517833+00	.5867476+01	.1138317+02	
52	.3396221+00	.5855317+01	.1137101+02	
53	.3615531+00	.5877248+01	.1139294+02	
54	.3889909+00	.5904686+01	.1142038+02	
55	.3996589+00	.5915354+01	.1143105+02	
56	.4067848+00	.5922092+01	.1143780+02	
57	.4139711+00	.5929808+01	.1144564+02	
58	.4115637+00	.5927621+01	.1144368+02	
59	.3977336+00	.5913885+01	.1143004+02	
60	.3824334+00	.5898595+01	.1141476+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #4: VIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.13214+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1263107+01	.1321428+01	.3905963+01	
2	-.1263107+01	.1321428+01	.3905963+01	
3	-.1263107+01	.1321428+01	.3905963+01	
4	-.1263107+01	.1321428+01	.3905963+01	
5	-.1263107+01	.1321428+01	.3905963+01	
6	-.1263107+01	.1321428+01	.3905963+01	
7	-.1263107+01	.1321428+01	.3905963+01	
8	-.1263107+01	.1321428+01	.3905963+01	
9	-.1263107+01	.1321428+01	.3905963+01	
10	-.1263107+01	.1321428+01	.3905963+01	
11	-.1263107+01	.1321428+01	.3905963+01	
12	-.1263107+01	.1321428+01	.3905963+01	
13	-.1263107+01	.1321428+01	.3905963+01	
14	-.1263107+01	.1321428+01	.3905963+01	
15	-.1263107+01	.1321428+01	.3905963+01	
16	-.1263107+01	.1321428+01	.3905963+01	
17	-.1263107+01	.1321428+01	.3905963+01	
18	-.1263107+01	.1321428+01	.3905963+01	
19	-.1263107+01	.1321428+01	.3905963+01	
20	-.1263107+01	.1321428+01	.3905963+01	
21	-.1263107+01	.1321428+01	.3905963+01	
22	-.1263107+01	.1321428+01	.3905963+01	
23	-.1263107+01	.1321428+01	.3905963+01	
24	-.1263107+01	.1321428+01	.3905963+01	
25	-.1263107+01	.1321428+01	.3905963+01	
26	-.1263107+01	.1321428+01	.3905963+01	
27	-.1263107+01	.1321428+01	.3905963+01	
28	-.1263107+01	.1321428+01	.3905963+01	
29	-.1263107+01	.1321428+01	.3905963+01	
30	-.1263107+01	.1321428+01	.3905963+01	
31	-.1263107+01	.1321428+01	.3905963+01	
32	-.1263107+01	.1321428+01	.3905963+01	
33	-.1263107+01	.1321428+01	.3905963+01	
34	-.1263107+01	.1321428+01	.3905963+01	
35	-.1263107+01	.1321428+01	.3905963+01	
36	-.1263107+01	.1321428+01	.3905963+01	
37	-.1263107+01	.1321428+01	.3905963+01	
38	-.1263107+01	.1321428+01	.3905963+01	
39	-.1263107+01	.1321428+01	.3905963+01	
40	-.1263107+01	.1321428+01	.3905963+01	
41	-.1263107+01	.1321428+01	.3905963+01	
42	-.1263107+01	.1321428+01	.3905963+01	
43	-.1263107+01	.1321428+01	.3905963+01	
44	-.1263107+01	.1321428+01	.3905963+01	
45	-.1263107+01	.1321428+01	.3905963+01	
46	-.1263107+01	.1321428+01	.3905963+01	
47	-.1263107+01	.1321428+01	.3905963+01	
48	-.1263107+01	.1321428+01	.3905963+01	
49	-.1263107+01	.1321428+01	.3905963+01	
50	-.1263107+01	.1321428+01	.3905963+01	
51	-.1263107+01	.1321428+01	.3905963+01	
52	-.1263107+01	.1321428+01	.3905963+01	
53	-.1263107+01	.1321428+01	.3905963+01	
54	-.1263107+01	.1321428+01	.3905963+01	
55	-.1263107+01	.1321428+01	.3905963+01	
56	-.1263107+01	.1321428+01	.3905963+01	
57	-.1263107+01	.1321428+01	.3905963+01	
58	-.1263107+01	.1321428+01	.3905963+01	
59	-.1263107+01	.1321428+01	.3905963+01	
60	-.1263107+01	.1321428+01	.3905963+01	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = OREGON #5: VIOLENT CRIME, OVEP 18 — 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.87204+00
2	TREND CONSTANT		.24931+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2605196+02	.4367066+02	.6128941+02	
2	.2615760+02	.4391999+02	.6168238+02	
3	.2626440+02	.4416930+02	.6207420+02	
4	.2637232+02	.4441861+02	.6246490+02	
5	.2648134+02	.4466792+02	.6285449+02	
6	.2659144+02	.4491723+02	.6324302+02	
7	.2670258+02	.4516653+02	.6363049+02	
8	.2681475+02	.4541584+02	.6401693+02	
9	.2692793+02	.4566515+02	.6440238+02	
10	.2704208+02	.4591446+02	.6478684+02	
11	.2715720+02	.4616377+02	.6517034+02	
12	.2727326+02	.4641308+02	.6555290+02	
13	.2739024+02	.4666239+02	.6593454+02	
14	.2750812+02	.4691169+02	.6631527+02	
15	.2762688+02	.4716100+02	.6669512+02	
16	.2774652+02	.4741031+02	.6707411+02	
17	.2786700+02	.4765962+02	.6745224+02	
18	.2798832+02	.4790893+02	.6782954+02	
19	.2811045+02	.4815824+02	.6820603+02	
20	.2823338+02	.4840755+02	.6858171+02	
21	.2835710+02	.4865685+02	.6895661+02	
22	.2848160+02	.4890616+02	.6933073+02	
23	.2860685+02	.4915547+02	.6970410+02	
24	.2873284+02	.4940478+02	.7007672+02	
25	.2885957+02	.4965409+02	.7044861+02	
26	.2898702+02	.4990340+02	.7081978+02	
27	.2911517+02	.5015271+02	.7119024+02	
28	.2924401+02	.5040201+02	.7156002+02	
29	.2937354+02	.5065132+02	.7192911+02	
30	.2950374+02	.5090063+02	.7229753+02	
31	.2963459+02	.5114994+02	.7266529+02	
32	.2976610+02	.5139925+02	.7303240+02	
33	.2989824+02	.5164856+02	.7339887+02	
34	.3003101+02	.5189787+02	.7376472+02	
35	.3016440+02	.5214717+02	.7412995+02	
36	.3029840+02	.5239648+02	.7449457+02	
37	.3043300+02	.5264579+02	.7485859+02	
38	.3056818+02	.5289510+02	.7522202+02	
39	.3070395+02	.5314441+02	.7558487+02	
40	.3084028+02	.5339372+02	.7594715+02	
41	.3097718+02	.5364303+02	.7630887+02	
42	.3111464+02	.5389233+02	.7667003+02	
43	.3125264+02	.5414164+02	.7703065+02	
44	.3139116+02	.5439095+02	.7739072+02	
45	.3153025+02	.5464026+02	.7775027+02	
46	.3166985+02	.5488957+02	.7810929+02	
47	.3180996+02	.5513888+02	.7846780+02	
48	.3195058+02	.5538819+02	.7882580+02	
49	.3209170+02	.5563750+02	.7918329+02	
50	.3223331+02	.5588680+02	.7954029+02	
51	.3237542+02	.5613611+02	.7989681+02	
52	.3251800+02	.5638542+02	.8025284+02	
53	.3266106+02	.5663473+02	.8060839+02	
54	.3280459+02	.5688404+02	.8096348+02	
55	.3294859+02	.5713335+02	.8131811+02	
56	.3309303+02	.5738266+02	.8167228+02	
57	.3323793+02	.5763196+02	.8202599+02	
58	.3338326+02	.5788127+02	.8237927+02	
59	.3352906+02	.5813058+02	.8273210+02	
60	.3367528+02	.5837989+02	.8308450+02	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = OREGON #5: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.79864+01
2	AUTOREGRESSIVE 1	1	.21984+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.2810942+01	.7329877+01	.1747070+02	
2	-.2540901+01	.7842083+01	.1822507+02	
3	-.2439857+01	.7954688+01	.1834923+02	
4	-.2415661+01	.7979443+01	.1837455+02	
5	-.2410245+01	.7984895+01	.1838002+02	
6	-.2409050+01	.7986082+01	.1838121+02	
7	-.2408787+01	.7986345+01	.1838148+02	
8	-.2408729+01	.7986403+01	.1838153+02	
9	-.2408717+01	.7986415+01	.1838155+02	
10	-.2408714+01	.7986418+01	.1838155+02	
11	-.2408713+01	.7986419+01	.1838155+02	
12	-.2408713+01	.7986419+01	.1838155+02	
13	-.2408713+01	.7986419+01	.1838155+02	
14	-.2408713+01	.7986419+01	.1838155+02	
15	-.2408713+01	.7986419+01	.1838155+02	
16	-.2408713+01	.7986419+01	.1838155+02	
17	-.2408713+01	.7986419+01	.1838155+02	
18	-.2408713+01	.7986419+01	.1838155+02	
19	-.2408713+01	.7986419+01	.1838155+02	
20	-.2408713+01	.7986419+01	.1838155+02	
21	-.2408713+01	.7986419+01	.1838155+02	
22	-.2408713+01	.7986419+01	.1838155+02	
23	-.2408713+01	.7986419+01	.1838155+02	
24	-.2408713+01	.7986419+01	.1838155+02	
25	-.2408713+01	.7986419+01	.1838155+02	
26	-.2408713+01	.7986419+01	.1838155+02	
27	-.2408713+01	.7986419+01	.1838155+02	
28	-.2408713+01	.7986419+01	.1838155+02	
29	-.2408713+01	.7986419+01	.1838155+02	
30	-.2408713+01	.7986419+01	.1838155+02	
31	-.2408713+01	.7986419+01	.1838155+02	
32	-.2408713+01	.7986419+01	.1838155+02	
33	-.2408713+01	.7986419+01	.1838155+02	
34	-.2408713+01	.7986419+01	.1838155+02	
35	-.2408713+01	.7986419+01	.1838155+02	
36	-.2408713+01	.7986419+01	.1838155+02	
37	-.2408713+01	.7986419+01	.1838155+02	
38	-.2408713+01	.7986419+01	.1838155+02	
39	-.2408713+01	.7986419+01	.1838155+02	
40	-.2408713+01	.7986419+01	.1838155+02	
41	-.2408713+01	.7986419+01	.1838155+02	
42	-.2408713+01	.7986419+01	.1838155+02	
43	-.2408713+01	.7986419+01	.1838155+02	
44	-.2408713+01	.7986419+01	.1838155+02	
45	-.2408713+01	.7986419+01	.1838155+02	
46	-.2408713+01	.7986419+01	.1838155+02	
47	-.2408713+01	.7986419+01	.1838155+02	
48	-.2408713+01	.7986419+01	.1838155+02	
49	-.2408713+01	.7986419+01	.1838155+02	
50	-.2408713+01	.7986419+01	.1838155+02	
51	-.2408713+01	.7986419+01	.1838155+02	
52	-.2408713+01	.7986419+01	.1838155+02	
53	-.2408713+01	.7986419+01	.1838155+02	
54	-.2408713+01	.7986419+01	.1838155+02	
55	-.2408713+01	.7986419+01	.1838155+02	
56	-.2408713+01	.7986419+01	.1838155+02	
57	-.2408713+01	.7986419+01	.1838155+02	
58	-.2408713+01	.7986419+01	.1838155+02	
59	-.2408713+01	.7986419+01	.1838155+02	
60	-.2408713+01	.7986419+01	.1838155+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #5: VIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.32143+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.5128994+00	.3214286+01	.6941471+01	
2	-.5128994+00	.3214286+01	.6941471+01	
3	-.5128994+00	.3214286+01	.6941471+01	
4	-.5128994+00	.3214286+01	.6941471+01	
5	-.5128994+00	.3214286+01	.6941471+01	
6	-.5128994+00	.3214286+01	.6941471+01	
7	-.5128994+00	.3214286+01	.6941471+01	
8	-.5128994+00	.3214286+01	.6941471+01	
9	-.5128994+00	.3214286+01	.6941471+01	
10	-.5128994+00	.3214286+01	.6941471+01	
11	-.5128994+00	.3214286+01	.6941471+01	
12	-.5128994+00	.3214286+01	.6941471+01	
13	-.5128994+00	.3214286+01	.6941471+01	
14	-.5128994+00	.3214286+01	.6941471+01	
15	-.5128994+00	.3214286+01	.6941471+01	
16	-.5128994+00	.3214286+01	.6941471+01	
17	-.5128994+00	.3214286+01	.6941471+01	
18	-.5128994+00	.3214286+01	.6941471+01	
19	-.5128994+00	.3214286+01	.6941471+01	
20	-.5128994+00	.3214286+01	.6941471+01	
21	-.5128994+00	.3214286+01	.6941471+01	
22	-.5128994+00	.3214286+01	.6941471+01	
23	-.5128994+00	.3214286+01	.6941471+01	
24	-.5128994+00	.3214286+01	.6941471+01	
25	-.5128994+00	.3214286+01	.6941471+01	
26	-.5128994+00	.3214286+01	.6941471+01	
27	-.5128994+00	.3214286+01	.6941471+01	
28	-.5128994+00	.3214286+01	.6941471+01	
29	-.5128994+00	.3214286+01	.6941471+01	
30	-.5128994+00	.3214286+01	.6941471+01	
31	-.5128994+00	.3214286+01	.6941471+01	
32	-.5128994+00	.3214286+01	.6941471+01	
33	-.5128994+00	.3214286+01	.6941471+01	
34	-.5128994+00	.3214286+01	.6941471+01	
35	-.5128994+00	.3214286+01	.6941471+01	
36	-.5128994+00	.3214286+01	.6941471+01	
37	-.5128994+00	.3214286+01	.6941471+01	
38	-.5128994+00	.3214286+01	.6941471+01	
39	-.5128994+00	.3214286+01	.6941471+01	
40	-.5128994+00	.3214286+01	.6941471+01	
41	-.5128994+00	.3214286+01	.6941471+01	
42	-.5128994+00	.3214286+01	.6941471+01	
43	-.5128994+00	.3214286+01	.6941471+01	
44	-.5128994+00	.3214286+01	.6941471+01	
45	-.5128994+00	.3214286+01	.6941471+01	
46	-.5128994+00	.3214286+01	.6941471+01	
47	-.5128994+00	.3214286+01	.6941471+01	
48	-.5128994+00	.3214286+01	.6941471+01	
49	-.5128994+00	.3214286+01	.6941471+01	
50	-.5128994+00	.3214286+01	.6941471+01	
51	-.5128994+00	.3214286+01	.6941471+01	
52	-.5128994+00	.3214286+01	.6941471+01	
53	-.5128994+00	.3214286+01	.6941471+01	
54	-.5128994+00	.3214286+01	.6941471+01	
55	-.5128994+00	.3214286+01	.6941471+01	
56	-.5128994+00	.3214286+01	.6941471+01	
57	-.5128994+00	.3214286+01	.6941471+01	
58	-.5128994+00	.3214286+01	.6941471+01	
59	-.5128994+00	.3214286+01	.6941471+01	
60	-.5128994+00	.3214286+01	.6941471+01	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = OREGON #6: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.62648+00
2	AUTOREGRESSIVE 1	2	-.46728+00
3	AUTOREGRESSIVE 1	3	-.53675+00
4	AUTOREGRESSIVE 1	4	-.20696+00
5	MOVING AVERAGE 1	8	.23547+00
6	TREND CONSTANT		.22768+01

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD. 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.5657276+02	.7795366+02	.9933454+02	
2	.5957696+02	.8127733+02	.1029777+03	
3	.5540227+02	.7864426+02	.1018863+03	
4	.6028417+02	.8356203+02	.1068399+03	
5	.6377275+02	.8911063+02	.1144485+03	
6	.6047147+02	.8663189+02	.1131923+03	
7	.5940117+02	.8703126+02	.1146613+03	
8	.5486252+02	.8303503+02	.1112075+03	
9	.6035590+02	.8859627+02	.1168366+03	
10	.5959382+02	.8850881+02	.1174238+03	
11	.6090434+02	.9036297+02	.1198216+03	
12	.5880136+02	.8899028+02	.1191792+03	
13	.5990557+02	.9043117+02	.1209568+03	
14	.6021329+02	.9118143+02	.1221496+03	
15	.6111398+02	.9251793+02	.1239219+03	
16	.6091395+02	.9285026+02	.1247866+03	
17	.6114152+02	.9352698+02	.1259124+03	
18	.6139828+02	.9421657+02	.1270346+03	
19	.6191699+02	.9515225+02	.1283875+03	
20	.6222405+02	.9590150+02	.1295790+03	
21	.6249856+02	.9661166+02	.1307248+03	
22	.6276916+02	.9730649+02	.1318438+03	
23	.6313355+02	.9808139+02	.1330292+03	
24	.6349918+02	.9885684+02	.1342145+03	
25	.6384418+02	.9961074+02	.1353773+03	
26	.6417088+02	.1003424+03	.1365139+03	
27	.6451636+02	.1010856+03	.1376549+03	
28	.6487926+02	.1018411+03	.1388030+03	
29	.6524628+02	.1025975+03	.1399487+03	
30	.6560830+02	.1033458+03	.1410833+03	
31	.6597170+02	.1040914+03	.1422111+03	
32	.6634247+02	.1048400+03	.1433375+03	
33	.6671997+02	.1055915+03	.1444631+03	
34	.6710006+02	.1063423+03	.1455846+03	
35	.6748161+02	.1070913+03	.1467010+03	
36	.6786627+02	.1078400+03	.1478136+03	
37	.6825526+02	.1065895+03	.1489238+03	
38	.6864799+02	.1093396+03	.1500312+03	
39	.6904345+02	.1100894+03	.1511353+03	
40	.6944150+02	.1108388+03	.1522360+03	
41	.6984255+02	.1115881+03	.1533337+03	
42	.7024674+02	.1123378+03	.1544288+03	
43	.7065382+02	.1130875+03	.1555211+03	
44	.7106353+02	.1138371+03	.1566106+03	
45	.7147583+02	.1145866+03	.1576973+03	
46	.7189078+02	.1153361+03	.1587814+03	
47	.7230834+02	.1160857+03	.1598631+03	
48	.7272842+02	.1168353+03	.1609422+03	
49	.7315090+02	.1175849+03	.1620189+03	
50	.7357576+02	.1183344+03	.1630931+03	
51	.7400297+02	.1190840+03	.1641651+03	
52	.7443248+02	.1198336+03	.1652347+03	
53	.7486424+02	.1205832+03	.1663021+03	
54	.7529817+02	.1213328+03	.1673673+03	
55	.7573426+02	.1220823+03	.1684304+03	
56	.7617245+02	.1228319+03	.1694914+03	
57	.7661271+02	.1235815+03	.1705502+03	
58	.7705500+02	.1243311+03	.1716071+03	
59	.7749927+02	.1250806+03	.1726620+03	
60	.7794548+02	.1258302+03	.1737149+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #6: VIOLENT CRIME, UNDER 18

DIFFERENCING ON Z - NONE 84 OBSERVATIONS

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11849+02
2	AUTOREGRESSIVE 1	3	.12141+00
3	AUTOREGRESSIVE 1	13	.30643+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2643674+01	.1264192+02	.2263996+02	
2	.3204719+01	.1320276+02	.2320081+02	
3	.1481749+01	.1147979+02	.2147784+02	
4	.2226334+01	.1229780+02	.2236927+02	
5	.3213725+01	.1328519+02	.2335666+02	
6	.3310964+01	.1338243+02	.2345390+02	
7	.1570611+01	.1164316+02	.2171570+02	
8	.1583351+00	.1023086+02	.2030343+02	
9	.1702301+01	.1177485+02	.2184739+02	
10	.3636136+01	.1370870+02	.2378126+02	
11	.3464666+01	.1353723+02	.2360979+02	
12	.1200669+01	.1127323+02	.2134579+02	
13	.3274058+01	.1334662+02	.2341918+02	
14	.1768582+01	.1229676+02	.2282497+02	
15	.1665561+01	.1219376+02	.2272195+02	
16	.1389326+01	.1191752+02	.2244572+02	
17	.1486273+01	.1204072+02	.2259517+02	
18	.1776333+01	.1233078+02	.2288523+02	
19	.1772591+01	.1232704+02	.2288148+02	
20	.1253711+01	.1180903+02	.2236434+02	
21	.8561615+00	.1141148+02	.2196679+02	
22	.1328828+01	.1188414+02	.2243946+02	
23	.1858505+01	.1241384+02	.2296918+02	
24	.1757692+01	.1231303+02	.2286837+02	
25	.1121320+01	.1167666+02	.2223200+02	
26	.1820985+01	.1237633+02	.2293166+02	
27	.1445371+01	.1204238+02	.2263939+02	
28	.1336536+01	.1193355+02	.2253055+02	
29	.1336840+01	.1193385+02	.2253086+02	
30	.1328530+01	.1193105+02	.2253358+02	
31	.1404200+01	.1200672+02	.2260925+02	
32	.1403090+01	.1200561+02	.2260814+02	
33	.1243691+01	.1184654+02	.2244939+02	
34	.1131056+01	.1173391+02	.2233676+02	
35	.1275762+01	.1187861+02	.2248146+02	
36	.1418751+01	.1202161+02	.2262448+02	
37	.1374184+01	.1197705+02	.2257991+02	
38	.1196746+01	.1179961+02	.2240247+02	
39	.1428510+01	.1203137+02	.2263424+02	
40	.1316666+01	.1192363+02	.2253040+02	
41	.1261972+01	.1186874+02	.2247550+02	
42	.1290204+01	.1189697+02	.2250373+02	
43	.1275347+01	.1188303+02	.2249072+02	
44	.1291869+01	.1189955+02	.2250724+02	
45	.1294957+01	.1190264+02	.2251033+02	
46	.1244434+01	.1185220+02	.2245997+02	
47	.1211926+01	.1181970+02	.2242747+02	
48	.1256643+01	.1186441+02	.2247218+02	
49	.1294335+01	.1190211+02	.2250989+02	
50	.1276731+01	.1188451+02	.2249228+02	
51	.1227786+01	.1183556+02	.2244334+02	
52	.1303385+01	.1191116+02	.2251894+02	
53	.1267865+01	.1187601+02	.2248415+02	
54	.1245102+01	.1185324+02	.2246138+02	
55	.1262931+01	.1187107+02	.2247921+02	
56	.1254257+01	.1186253+02	.2247081+02	
57	.1256557+01	.1186483+02	.2247311+02	
58	.1259668+01	.1186794+02	.2247622+02	
59	.1243157+01	.1185145+02	.2245975+02	
60	.1233475+01	.1184177+02	.2245006+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #6: VIOLENT CRIME, NONWHITE

DIFFERENCING ON Z = NONE 84 OBSERVATIONS

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.15604+01
2	AUTOREGRESSIVE 1	1	.19764+00
3	AUTOREGRESSIVE 1	13	-.20127+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.9677047+00	.1957736+01	.4883176+01	
2	-.1632817+01	.1349210+01	.4331237+01	
3	-.1554003+01	.1430212+01	.4414427+01	
4	-.1336812+01	.1647489+01	.4631790+01	
5	-.1293873+01	.1690431+01	.4674735+01	
6	-.1084119+01	.1900186+01	.4884490+01	
7	-.1042663+01	.1941641+01	.4925945+01	
8	-.1638275+01	.1346029+01	.4330334+01	
9	-.1152185+01	.1832120+01	.4816424+01	
10	-.1056116+01	.1928188+01	.4912493+01	
11	-.1439665+01	.1544639+01	.4528943+01	
12	-.1314200+01	.1670104+01	.4654408+01	
13	-.1691940+01	.1292364+01	.4276668+01	
14	-.1614351+01	.1427484+01	.4469318+01	
15	-.1474060+01	.1576665+01	.4627389+01	
16	-.1461659+01	.1569845+01	.4641350+01	
17	-.1502840+01	.1548719+01	.4600278+01	
18	-.1519614+01	.1531949+01	.4583511+01	
19	-.1565145+01	.1486417+01	.4537979+01	
20	-.1582488+01	.1469075+01	.4520637+01	
21	-.1466037+01	.1585525+01	.4637087+01	
22	-.1540857+01	.1510705+01	.4562267+01	
23	-.1574980+01	.1476583+01	.4528145+01	
24	-.1504527+01	.1547035+01	.4598597+01	
25	-.1515855+01	.1535707+01	.4587269+01	
26	-.1442067+01	.1609495+01	.4661057+01	
27	-.1456980+01	.1596883+01	.4650745+01	
28	-.1490306+01	.1564365+01	.4619036+01	
29	-.1499512+01	.1555285+01	.4610082+01	
30	-.1493042+01	.1561768+01	.4616579+01	
31	-.1488387+01	.1566425+01	.4621237+01	
32	-.1478303+01	.1576509+01	.4631321+01	
33	-.1472819+01	.1581993+01	.4636805+01	
34	-.1495173+01	.1559639+01	.4614451+01	
35	-.1484532+01	.1570280+01	.4625092+01	
36	-.1475561+01	.1579250+01	.4634062+01	
37	-.1487968+01	.1566844+01	.4621655+01	
38	-.1488140+01	.1566672+01	.4621483+01	
39	-.1503026+01	.1551786+01	.4606596+01	
40	-.1503522+01	.1551383+01	.4606288+01	
41	-.1497115+01	.1557848+01	.4612811+01	
42	-.1491024+01	.1560953+01	.4615930+01	
43	-.1494716+01	.1560262+01	.4615242+01	
44	-.1495792+01	.1559188+01	.4614168+01	
45	-.1498034+01	.1556946+01	.4611926+01	
46	-.1499580+01	.1555400+01	.4610380+01	
47	-.1495387+01	.1559593+01	.4614573+01	
48	-.1496700+01	.1558280+01	.4613260+01	
49	-.1498765+01	.1556215+01	.4611195+01	
50	-.1496676+01	.1558304+01	.4613284+01	
51	-.1496228+01	.1558752+01	.4613732+01	
52	-.1493144+01	.1561836+01	.4616816+01	
53	-.1492457+01	.1562527+01	.4617510+01	
54	-.1493625+01	.1561362+01	.4616349+01	
55	-.1494482+01	.1560507+01	.4615496+01	
56	-.1494512+01	.1560477+01	.4615466+01	
57	-.1494302+01	.1560687+01	.4615676+01	
58	-.1493809+01	.1561180+01	.4616169+01	
59	-.1493400+01	.1561589+01	.4616578+01	
60	-.1494164+01	.1560825+01	.4615814+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: VIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.55957+02
2	AUTOREGRESSIVE 1	1	.32294+00
3	AUTOREGRESSIVE 1	2	.31854+00
4	AUTOREGRESSIVE 1	8	.16307+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4333219+02	.7054504+02	.9775789+02	
2	.4272541+02	.7132213+02	.9991885+02	
3	.4029237+02	.7111722+02	.1019421+03	
4	.4093416+02	.7244006+02	.1039460+03	
5	.4060914+02	.7263892+02	.1046687+03	
6	.3367848+02	.6594951+02	.9822055+02	
7	.3356192+02	.6597244+02	.9839295+02	
8	.3265444+02	.6515355+02	.9765266+02	
9	.3141876+02	.6449607+02	.9757338+02	
10	.3081406+02	.6414961+02	.9748514+02	
11	.3006003+02	.6379488+02	.9752973+02	
12	.2980824+02	.6378567+02	.9776310+02	
13	.2950181+02	.6370213+02	.9790244+02	
14	.2823242+02	.6258138+02	.9693034+02	
15	.2773532+02	.6219657+02	.9665782+02	
16	.2704498+02	.6158176+02	.9611854+02	
17	.2651689+02	.6115342+02	.9578995+02	
18	.2605317+02	.6076276+02	.9547234+02	
19	.2564932+02	.6044230+02	.9523528+02	
20	.2535320+02	.6021287+02	.9507254+02	
21	.2510029+02	.6002306+02	.9494586+02	
22	.2473233+02	.5970594+02	.9467955+02	
23	.2446392+02	.5948032+02	.9449671+02	
24	.2415630+02	.5920616+02	.9425605+02	
25	.2389507+02	.5897593+02	.9405679+02	
26	.2364444+02	.5875054+02	.9385664+02	
27	.2342229+02	.5855215+02	.9368202+02	
28	.2322877+02	.5837887+02	.9352898+02	
29	.2306022+02	.5822877+02	.9339732+02	
30	.2288901+02	.5807339+02	.9325776+02	
31	.2274042+02	.5793860+02	.9313678+02	
32	.2259108+02	.5780087+02	.9301066+02	
33	.2245595+02	.5767591+02	.9289587+02	
34	.2232637+02	.5755493+02	.9278349+02	
35	.2220755+02	.5744371+02	.9267986+02	
36	.2209830+02	.5734099+02	.9258369+02	
37	.2199945+02	.5724752+02	.9249638+02	
38	.2190632+02	.5715980+02	.9241328+02	
39	.2182186+02	.5707972+02	.9233758+02	
40	.2174169+02	.5700333+02	.9226497+02	
41	.2166784+02	.5693277+02	.9219770+02	
42	.2159816+02	.5686592+02	.9213369+02	
43	.2153349+02	.5680372+02	.9207395+02	
44	.2147323+02	.5674559+02	.9201795+02	
45	.2141761+02	.5669183+02	.9196605+02	
46	.2136575+02	.5664158+02	.9191741+02	
47	.2131793+02	.5659517+02	.9187241+02	
48	.2127326+02	.5655172+02	.9183017+02	
49	.2123188+02	.5651139+02	.9179091+02	
50	.2119319+02	.5647363+02	.9175407+02	
51	.2115721+02	.5643845+02	.9171969+02	
52	.2112365+02	.5640558+02	.9168751+02	
53	.2109246+02	.5637499+02	.9165752+02	
54	.2106339+02	.5634645+02	.9162950+02	
55	.2103641+02	.5631991+02	.9160342+02	
56	.2101127+02	.5629517+02	.9157907+02	
57	.2098791+02	.5627215+02	.9155640+02	
58	.2096614+02	.5625068+02	.9153522+02	
59	.2094587+02	.5623067+02	.9151547+02	
60	.2092699+02	.5621201+02	.9149704+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: VIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.75844+01
2	AUTOREGRESSIVE 1	4	.33177+00
3	MOVING AVERAGE 1	13	.26994+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2743736+01	.9561736+01	.1641974+02	
2	.6508698+00	.7468870+01	.1432687+02	
3	-.1880971+01	.4957030+01	.1179503+02	
4	.1614555+01	.8452556+01	.1529056+02	
5	.4516215+00	.7656136+01	.1486065+02	
6	-.2150643+00	.6989450+01	.1419397+02	
7	.8604813-01	.7290563+01	.1449508+02	
8	.1728092+00	.7377324+01	.1458184+02	
9	.1574768+00	.7401202+01	.1464493+02	
10	-.7107980+00	.6532927+01	.1377665+02	
11	.7465722+00	.7990297+01	.1523402+02	
12	.1066607+01	.8310332+01	.1555406+02	
13	.3932059+00	.7641234+01	.1488926+02	
14	-.2438552+00	.7235524+01	.1471490+02	
15	.2396584+00	.7719036+01	.1519842+02	
16	.3458368+00	.7825216+01	.1530460+02	
17	.1233903+00	.7603229+01	.1508307+02	
18	-.3624046-01	.7468626+01	.1497349+02	
19	.1241754+00	.7629042+01	.1513391+02	
20	.1594024+00	.7664269+01	.1516914+02	
21	.8570296-01	.7590620+01	.1509554+02	
22	.3829592-01	.7545963+01	.1505363+02	
23	.9151727-01	.7599184+01	.1510685+02	
24	.1032045+00	.7610871+01	.1511854+02	
25	.7876438-01	.7566437+01	.1509411+02	
26	.6364584-01	.7571621+01	.1507960+02	
27	.8130312-01	.7589278+01	.1509725+02	
28	.8518064-01	.7593155+01	.1510113+02	
29	.7707328-01	.7585049+01	.1509302+02	
30	.7212448-01	.7580133+01	.1508814+02	
31	.7798266-01	.7585991+01	.1509400+02	
32	.7926911-01	.7587278+01	.1509529+02	
33	.7657945-01	.7584588+01	.1509260+02	
34	.7494503-01	.7582957+01	.1509097+02	
35	.7688856-01	.7584901+01	.1509291+02	
36	.7731539-01	.7585328+01	.1509334+02	
37	.7642305-01	.7584435+01	.1509245+02	
38	.7588166-01	.7583894+01	.1509191+02	
39	.7652646-01	.7584539+01	.1509255+02	
40	.7666808-01	.7584681+01	.1509269+02	
41	.7637203-01	.7584385+01	.1509240+02	
42	.7619250-01	.7584205+01	.1509222+02	
43	.7640636-01	.7584419+01	.1509243+02	
44	.7645333-01	.7584466+01	.1509248+02	
45	.7635516-01	.7584368+01	.1509238+02	
46	.7629561-01	.7584308+01	.1509232+02	
47	.7636654-01	.7584379+01	.1509239+02	
48	.7638216-01	.7584395+01	.1509241+02	
49	.7634956-01	.7584362+01	.1509238+02	
50	.7632983-01	.7584343+01	.1509236+02	
51	.7635337-01	.7584366+01	.1509238+02	
52	.7635650-01	.7584371+01	.1509238+02	
53	.7634771-01	.7584361+01	.1509237+02	
54	.7634121-01	.7584354+01	.1509237+02	
55	.7634896-01	.7584362+01	.1509237+02	
56	.7635069-01	.7584364+01	.1509238+02	
57	.7634711-01	.7584360+01	.1509237+02	
58	.7634497-01	.7584356+01	.1509237+02	
59	.7634753-01	.7584360+01	.1509237+02	
60	.7634807-01	.7584361+01	.1509237+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: VIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.86922+01
2	AUTOREGRESSIVE 1	1	.31298+00
3	AUTOREGRESSIVE 1	4	.22311+00
4	AUTOREGRESSIVE 1	9	.32901+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4128444+01	.1125053+02	.1837262+02	
2	.5055233+01	.1251600+02	.1998078+02	
3	.3127651+01	.1062296+02	.1811827+02	
4	.6384637+01	.1388333+02	.2138182+02	
5	.4954547+01	.1263401+02	.2031347+02	
6	.3792371+01	.1153875+02	.1928513+02	
7	.2683306+01	.1044415+02	.1820500+02	
8	.4052644+01	.1181599+02	.1957934+02	
9	.5507322+01	.1328265+02	.2105797+02	
10	.3373324+01	.1160571+02	.1983810+02	
11	.2850465+01	.1125366+02	.1965685+02	
12	.2384767+01	.1082606+02	.1926735+02	
13	.3640452+01	.1209213+02	.2054380+02	
14	.3155188+01	.1170321+02	.2025124+02	
15	.2522687+01	.1114260+02	.1976251+02	
16	.1864737+01	.1051161+02	.1915848+02	
17	.2393069+01	.1104793+02	.1970279+02	
18	.2939629+01	.1161156+02	.2028349+02	
19	.2341149+01	.1111117+02	.1988118+02	
20	.1857184+01	.1069795+02	.1953871+02	
21	.1679483+01	.1054759+02	.1941569+02	
22	.2161903+01	.1104282+02	.1992374+02	
23	.2035557+01	.1095623+02	.1988090+02	
24	.1688722+01	.1065511+02	.1962150+02	
25	.1328704+01	.1031910+02	.1930949+02	
26	.1500001+01	.1050087+02	.1950174+02	
27	.1709181+01	.1072433+02	.1973948+02	
28	.1512627+01	.1056201+02	.1961139+02	
29	.1219061+01	.1030029+02	.1938151+02	
30	.1110759+01	.1020946+02	.1930816+02	
31	.1284174+01	.1039382+02	.1950347+02	
32	.1258168+01	.1038747+02	.1951678+02	
33	.1075101+01	.1022737+02	.1937964+02	
34	.8779908+00	.1004644+02	.1921490+02	
35	.9130098+00	.1009076+02	.1926850+02	
36	.9889280+00	.1017673+02	.1936453+02	
37	.9109667+00	.1011451+02	.1931803+02	
38	.7492241+00	.9968564+01	.1918790+02	
39	.6727424+00	.9902886+01	.1913303+02	
40	.7241020+00	.9902170+01	.1920024+02	
41	.7163708+00	.9964755+01	.1921314+02	
42	.6199939+00	.9880327+01	.1914066+02	
43	.5095997+00	.9779725+01	.1904985+02	
44	.4991418+00	.9776042+01	.1905294+02	
45	.5202605+00	.9803752+01	.1908724+02	
46	.4813831+00	.9773119+01	.1906485+02	
47	.3929365+00	.9693068+01	.1899320+02	
48	.3388823+00	.9645585+01	.1895229+02	
49	.3444345+00	.9656409+01	.1896838+02	
50	.3360268+00	.9653813+01	.1897160+02	
51	.2831607+00	.9607364+01	.1893157+02	
52	.2192189+00	.9549133+01	.1887905+02	
53	.1977317+00	.9532112+01	.1886649+02	
54	.1967779+00	.9535322+01	.1887387+02	
55	.1727397+00	.9515885+01	.1885903+02	
56	.1226850+00	.9470473+01	.1881826+02	
57	.8510566-01	.9436839+01	.1878857+02	
58	.7550716-01	.9430590+01	.1878567+02	
59	.6496692-01	.9423444+01	.1878192+02	
60	.3375006-01	.9395793+01	.1875784+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - 2 = OREGON STATEWIDE: NONVIOLENT CRIMES, OVER 18 84 OBSERVATIONS

DIFFERENCING ON 2 - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.65517+00
2	MOVING AVERAGE 1	12	-.30977+00
3	TREND CONSTANT		.10065+02

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1520511+04	.1732590+04	.1944670+04	
2	.1500358+04	.1724692+04	.1949027+04	
3	.1506741+04	.1742695+04	.1978649+04	
4	.1475876+04	.1722903+04	.1969931+04	
5	.1428846+04	.1686472+04	.1944097+04	
6	.1437565+04	.1705369+04	.1973174+04	
7	.1457441+04	.1735052+04	.2012662+04	
8	.1456446+04	.1743529+04	.2030611+04	
9	.1452677+04	.1748926+04	.2045176+04	
10	.1447154+04	.1752297+04	.2057440+04	
11	.1443769+04	.1757553+04	.2071337+04	
12	.1496357+04	.1818551+04	.2140745+04	
13	.1477785+04	.1828616+04	.2179447+04	
14	.1461380+04	.1838681+04	.2215981+04	
15	.1446715+04	.1848746+04	.2250777+04	
16	.1433484+04	.1858810+04	.2284137+04	
17	.1421465+04	.1868875+04	.2316285+04	
18	.1410486+04	.1878940+04	.2347394+04	
19	.1400412+04	.1889005+04	.2377597+04	
20	.1391137+04	.1899070+04	.2407003+04	
21	.1382571+04	.1909134+04	.2435698+04	
22	.1374642+04	.1919199+04	.2463757+04	
23	.1367289+04	.1929264+04	.2491239+04	
24	.1360460+04	.1939329+04	.2518198+04	
25	.1354110+04	.1949394+04	.2544678+04	
26	.1348200+04	.1959456+04	.2570716+04	
27	.1342698+04	.1969523+04	.2596348+04	
28	.1337573+04	.1979586+04	.2621603+04	
29	.1332799+04	.1989653+04	.2646506+04	
30	.1328353+04	.1999718+04	.2671082+04	
31	.1324215+04	.2009782+04	.2695350+04	
32	.1320364+04	.2019847+04	.2719330+04	
33	.1316785+04	.2029912+04	.2743039+04	
34	.1313462+04	.2039977+04	.2766491+04	
35	.1310382+04	.2050042+04	.2789702+04	
36	.1307531+04	.2060106+04	.2812682+04	
37	.1304898+04	.2070171+04	.2835445+04	
38	.1302472+04	.2080236+04	.2858000+04	
39	.1300244+04	.2090301+04	.2880358+04	
40	.1298204+04	.2100366+04	.2902528+04	
41	.1296344+04	.2110430+04	.2924517+04	
42	.1294656+04	.2120495+04	.2946335+04	
43	.1293133+04	.2130560+04	.2967987+04	
44	.1291766+04	.2140625+04	.2989481+04	
45	.1290555+04	.2150690+04	.3010824+04	
46	.1289488+04	.2160754+04	.3032020+04	
47	.1288562+04	.2170819+04	.3053076+04	
48	.1287771+04	.2180884+04	.3073997+04	
49	.1287110+04	.2190949+04	.3094787+04	
50	.1286575+04	.2201013+04	.3115452+04	
51	.1286161+04	.2211078+04	.3135995+04	
52	.1285865+04	.2221143+04	.3156421+04	
53	.1285683+04	.2231208+04	.3176733+04	
54	.1285610+04	.2241273+04	.3196935+04	
55	.1285643+04	.2251337+04	.3217031+04	
56	.1285780+04	.2261402+04	.3237024+04	
57	.1286017+04	.2271467+04	.3256917+04	
58	.1286351+04	.2281532+04	.3276713+04	
59	.1286779+04	.2291597+04	.3296414+04	
60	.1287299+04	.2301661+04	.3316024+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - 2 = OREGON STATEWIDE: NONVIOLENT CRIMES, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON 2 = 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.66274+00
2	TREND CONSTANT		.17411+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2428985+03	.3084732+03	.3740478+03	
2	.2410106+03	.3102143+03	.3794180+03	
3	.2393037+03	.3119554+03	.3846071+03	
4	.2377532+03	.3136965+03	.3896399+03	
5	.2363396+03	.3154376+03	.3945357+03	
6	.2350470+03	.3171786+03	.3993105+03	
7	.2338626+03	.3189199+03	.4039772+03	
8	.2327755+03	.3206610+03	.4085465+03	
9	.2317766+03	.3224021+03	.4130276+03	
10	.2308582+03	.3241432+03	.4174283+03	
11	.2300135+03	.3258844+03	.4217552+03	
12	.2292368+03	.3276255+03	.4260142+03	
13	.2285229+03	.3293666+03	.4302103+03	
14	.2278674+03	.3311077+03	.4343481+03	
15	.2272662+03	.3328488+03	.4384315+03	
16	.2267159+03	.3345900+03	.4424640+03	
17	.2262133+03	.3363311+03	.4464489+03	
18	.2257555+03	.3380722+03	.4503889+03	
19	.2253399+03	.3398133+03	.4542867+03	
20	.2249642+03	.3415544+03	.4581447+03	
21	.2246263+03	.3432956+03	.4619648+03	
22	.2243241+03	.3450367+03	.4657492+03	
23	.2240560+03	.3467778+03	.4694996+03	
24	.2238203+03	.3485189+03	.4732176+03	
25	.2236154+03	.3502600+03	.4769047+03	
26	.2234399+03	.3520012+03	.4805624+03	
27	.2232926+03	.3537423+03	.4841919+03	
28	.2231723+03	.3554834+03	.4877945+03	
29	.2230776+03	.3572245+03	.4913712+03	
30	.2230081+03	.3589656+03	.4949232+03	
31	.2229621+03	.3607067+03	.4984514+03	
32	.2229391+03	.3624479+03	.5019566+03	
33	.2229381+03	.3641890+03	.5054399+03	
34	.2229583+03	.3659301+03	.5089019+03	
35	.2229990+03	.3676712+03	.5123434+03	
36	.2230595+03	.3694123+03	.5157652+03	
37	.2231390+03	.3711535+03	.5191679+03	
38	.2232370+03	.3728946+03	.5225522+03	
39	.2233528+03	.3746357+03	.5259186+03	
40	.2234859+03	.3763766+03	.5292678+03	
41	.2236357+03	.3781179+03	.5326002+03	
42	.2238016+03	.3798591+03	.5359164+03	
43	.2239836+03	.3816002+03	.5392168+03	
44	.2241806+03	.3833413+03	.5425020+03	
45	.2243926+03	.3850824+03	.5457723+03	
46	.2246189+03	.3868235+03	.5490282+03	
47	.2248592+03	.3885647+03	.5522701+03	
48	.2251132+03	.3903058+03	.5554984+03	
49	.2253804+03	.3920469+03	.5587133+03	
50	.2256606+03	.3937880+03	.5619154+03	
51	.2259534+03	.3955291+03	.5651049+03	
52	.2262584+03	.3972703+03	.5682821+03	
53	.2265754+03	.3990114+03	.5714474+03	
54	.2269040+03	.4007525+03	.5746010+03	
55	.2272440+03	.4024936+03	.5777432+03	
56	.2275952+03	.4042347+03	.5808743+03	
57	.2279572+03	.4059759+03	.5839945+03	
58	.2283296+03	.4077170+03	.5871042+03	
59	.2287127+03	.4094581+03	.5902035+03	
60	.2291056+03	.4111992+03	.5932926+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: NONVIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.71409+00
2	MOVING AVERAGE 1	18	.32642+00
3	TREND CONSTANT		.31004+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.3985816+03	.4801170+03	.5616524+03	
2	.4112074+03	.4960099+03	.5808124+03	
3	.4209429+03	.5088912+03	.5968396+03	
4	.4077797+03	.4987652+03	.5897506+03	
5	.3677884+03	.4617128+03	.5556372+03	
6	.3499229+03	.4466971+03	.5434713+03	
7	.3642508+03	.4637931+03	.5633355+03	
8	.3852505+03	.4874861+03	.5897217+03	
9	.3855158+03	.4903755+03	.5952353+03	
10	.3927180+03	.5001378+03	.6075576+03	
11	.3894104+03	.4993306+03	.6092508+03	
12	.3723713+03	.4847364+03	.5971014+03	
13	.3827936+03	.4975514+03	.6123091+03	
14	.3870797+03	.5041813+03	.6212829+03	
15	.3891775+03	.5085769+03	.6279764+03	
16	.4009267+03	.5225806+03	.6442345+03	
17	.4043271+03	.5281944+03	.6520618+03	
18	.4072282+03	.5332701+03	.6593120+03	
19	.4102654+03	.5363706+03	.6624557+03	
20	.4133426+03	.5394710+03	.6655994+03	
21	.4163998+03	.5425714+03	.6687431+03	
22	.4194570+03	.5456719+03	.6718867+03	
23	.4225142+03	.5487723+03	.6750303+03	
24	.4255715+03	.5518727+03	.6781739+03	
25	.4286287+03	.5549731+03	.6813175+03	
26	.4316860+03	.5580736+03	.6844611+03	
27	.4347433+03	.5611740+03	.6876047+03	
28	.4378006+03	.5642744+03	.6907482+03	
29	.4408579+03	.5673746+03	.6938918+03	
30	.4439152+03	.5704753+03	.6970353+03	
31	.4469726+03	.5735757+03	.7001788+03	
32	.4500299+03	.5766761+03	.7033223+03	
33	.4530873+03	.5797765+03	.7064658+03	
34	.4561447+03	.5828770+03	.7096092+03	
35	.4592021+03	.5859774+03	.7127527+03	
36	.4622595+03	.5890778+03	.7158961+03	
37	.4653170+03	.5921782+03	.7190395+03	
38	.4683744+03	.5952787+03	.7221829+03	
39	.4714319+03	.5983791+03	.7253263+03	
40	.4744893+03	.6014795+03	.7284697+03	
41	.4775468+03	.6045799+03	.7316131+03	
42	.4806043+03	.6076804+03	.7347564+03	
43	.4836619+03	.6107808+03	.7378997+03	
44	.4867194+03	.6138812+03	.7410430+03	
45	.4897769+03	.6169816+03	.7441863+03	
46	.4928345+03	.6200821+03	.7473296+03	
47	.4958921+03	.6231825+03	.7504729+03	
48	.4989497+03	.6262829+03	.7536162+03	
49	.5020073+03	.6293833+03	.7567594+03	
50	.5050649+03	.6324836+03	.7599026+03	
51	.5081225+03	.6355842+03	.7630459+03	
52	.5111802+03	.6386846+03	.7661891+03	
53	.5142378+03	.6417850+03	.7693323+03	
54	.5172955+03	.6448855+03	.7724754+03	
55	.5203532+03	.6479859+03	.7756186+03	
56	.5234109+03	.6510863+03	.7787617+03	
57	.5264686+03	.6541868+03	.7819049+03	
58	.5295264+03	.6572872+03	.7850480+03	
59	.5325841+03	.6603876+03	.7881911+03	
60	.5356419+03	.6634880+03	.7913342+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: NONVIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.45729+00
2	AUTOREGRESSIVE 1	2	-.37835+00
3	AUTOREGRESSIVE 1	4	-.29825+00
4	TREND CONSTANT		-.13703+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.9997044+02	.1957486+03	.2915268+03	
2	.7359708+02	.1825710+03	.2915450+03	
3	.7150576+02	.1862004+03	.3008951+03	
4	.6270660+02	.1920334+03	.3213602+03	
5	.5053746+02	.1825221+03	.3145066+03	
6	.4757935+02	.1872245+03	.3268697+03	
7	.3639687+02	.1862200+03	.3360430+03	
8	.2773150+02	.1817902+03	.3358489+03	
9	.2338912+02	.1856624+03	.3479357+03	
10	.1432034+02	.1827949+03	.3512694+03	
11	.8506104+01	.1815704+03	.3546348+03	
12	.3068798+01	.1831661+03	.3632635+03	
13	-.4739683+01	.1803745+03	.3654887+03	
14	-.9702503+01	.1805323+03	.3707671+03	
15	-.1561909+02	.1805113+03	.3766416+03	
16	-.2206771+02	.1786150+03	.3792976+03	
17	-.2682780+02	.1789524+03	.3847326+03	
18	-.3271866+02	.1780982+03	.3889150+03	
19	-.3823557+02	.1769971+03	.3922298+03	
20	-.4306100+02	.1770191+03	.3970992+03	
21	-.4863596+02	.1759547+03	.4005453+03	
22	-.5359200+02	.1753176+03	.4042272+03	
23	-.5844910+02	.1749697+03	.4083886+03	
24	-.6362117+02	.1739930+03	.4116072+03	
25	-.6828545+02	.1735184+03	.4153223+03	
26	-.7307941+02	.1729247+03	.4189288+03	
27	-.7788812+02	.1721092+03	.4221065+03	
28	-.8239484+02	.1716278+03	.4256504+03	
29	-.8704572+02	.1709277+03	.4289011+03	
30	-.9157543+02	.1702368+03	.4320490+03	
31	-.9597123+02	.1696905+03	.4353522+03	
32	-.1004439+03	.1689750+03	.4383939+03	
33	-.1047728+03	.1683474+03	.4414675+03	
34	-.1090615+03	.1677409+03	.4445433+03	
35	-.1133571+03	.1670483+03	.4474537+03	
36	-.1175384+03	.1664376+03	.4504135+03	
37	-.1217130+03	.1657956+03	.4533045+03	
38	-.1258512+03	.1651309+03	.4561131+03	
39	-.1299143+03	.1645140+03	.4589424+03	
40	-.1339713+03	.1638595+03	.4616903+03	
41	-.1379763+03	.1632133+03	.4644029+03	
42	-.1419354+03	.1625845+03	.4671043+03	
43	-.1458780+03	.1619302+03	.4697385+03	
44	-.1497702+03	.1612922+03	.4723547+03	
45	-.1536324+03	.1606539+03	.4749403+03	
46	-.1574689+03	.1600045+03	.4774778+03	
47	-.1612632+03	.1593678+03	.4799988+03	
48	-.1650335+03	.1587246+03	.4824828+03	
49	-.1687737+03	.1580797+03	.4849331+03	
50	-.1724803+03	.1574414+03	.4873630+03	
51	-.1761639+03	.1567969+03	.4897576+03	
52	-.1798173+03	.1561546+03	.4921265+03	
53	-.1834432+03	.1555142+03	.4944716+03	
54	-.1870458+03	.1548701+03	.4967861+03	
55	-.1906204+03	.1542289+03	.4990782+03	
56	-.1941713+03	.1535871+03	.5013454+03	
57	-.1976988+03	.1529439+03	.5035865+03	
58	-.2012012+03	.1523026+03	.5058064+03	
59	-.2046818+03	.1516602+03	.5080021+03	
60	-.2081397+03	.1510177+03	.5101752+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #1: NONVIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.74942+00
2	TREND CONSTANT		.10528+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

172

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1531413+03	.2015734+03	.2500056+03	
2	.1526967+03	.2026262+03	.2525557+03	
3	.1522957+03	.2036790+03	.2550622+03	
4	.1519347+03	.2047317+03	.2575288+03	
5	.1516106+03	.2057845+03	.2599584+03	
6	.1513206+03	.2068373+03	.2623539+03	
7	.1510624+03	.2078900+03	.2647177+03	
8	.1508337+03	.2089428+03	.2670519+03	
9	.1506327+03	.2099956+03	.2693584+03	
10	.1504576+03	.2110483+03	.2716390+03	
11	.1503069+03	.2121011+03	.2738953+03	
12	.1501792+03	.2131539+03	.2761285+03	
13	.1500733+03	.2142066+03	.2783400+03	
14	.1499879+03	.2152594+03	.2805309+03	
15	.1499220+03	.2163122+03	.2827023+03	
16	.1498746+03	.2173649+03	.2848552+03	
17	.1498449+03	.2184177+03	.2869905+03	
18	.1498320+03	.2194705+03	.2891089+03	
19	.1498352+03	.2205232+03	.2912112+03	
20	.1498537+03	.2215760+03	.2932982+03	
21	.1498870+03	.2226288+03	.2953705+03	
22	.1499343+03	.2236815+03	.2974287+03	
23	.1499952+03	.2247343+03	.2994734+03	
24	.1500690+03	.2257871+03	.3015051+03	
25	.1501554+03	.2268398+03	.3035243+03	
26	.1502538+03	.2278926+03	.3055314+03	
27	.1503637+03	.2289454+03	.3075270+03	
28	.1504849+03	.2299981+03	.3095114+03	
29	.1506168+03	.2310509+03	.3114850+03	
30	.1507592+03	.2321037+03	.3134481+03	
31	.1509116+03	.2331564+03	.3154012+03	
32	.1510738+03	.2342092+03	.3173446+03	
33	.1512454+03	.2352620+03	.3192785+03	
34	.1514262+03	.2363147+03	.3212033+03	
35	.1516158+03	.2373675+03	.3231192+03	
36	.1518141+03	.2384203+03	.3250265+03	
37	.1520206+03	.2394730+03	.3269254+03	
38	.1522353+03	.2405258+03	.3288162+03	
39	.1524579+03	.2415786+03	.3306992+03	
40	.1526882+03	.2426313+03	.3325745+03	
41	.1529259+03	.2436841+03	.3344423+03	
42	.1531708+03	.2447369+03	.3363029+03	
43	.1534228+03	.2457896+03	.3381564+03	
44	.1536817+03	.2468424+03	.3400031+03	
45	.1539473+03	.2478952+03	.3418430+03	
46	.1542195+03	.2489479+03	.3436764+03	
47	.1544980+03	.2500007+03	.3455034+03	
48	.1547828+03	.2510535+03	.3473242+03	
49	.1550734+03	.2521062+03	.3491389+03	
50	.1553704+03	.2531590+03	.3509476+03	
51	.1556729+03	.2542118+03	.3527506+03	
52	.1559812+03	.2552645+03	.3545479+03	
53	.1562949+03	.2563173+03	.3563396+03	
54	.1566141+03	.2573701+03	.3581260+03	
55	.1569386+03	.2584228+03	.3599070+03	
56	.1572683+03	.2594756+03	.3616829+03	
57	.1576031+03	.2605284+03	.3634536+03	
58	.1579428+03	.2615811+03	.3652194+03	
59	.1582874+03	.2626339+03	.3669803+03	
60	.1586368+03	.2636866+03	.3687365+03	

52	.1677074+00
53	.1676965+00
54	.1677005+00
	.1677052+00

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: OVER EIGHTEEN NONVIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.81767+00
2	AUTOREGRESSIVE 1	2	-.71153+00
3	MOVING AVERAGE 1	3	.57585+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1480670+03	.2337023+03	.3193377+03	
2	.1443291+03	.2313762+03	.3184234+03	
3	.1451834+03	.2330452+03	.3209070+03	
4	.1441254+03	.2333356+03	.3225459+03	
5	.1414158+03	.2319106+03	.3224055+03	
6	.1414589+03	.2328692+03	.3242794+03	
7	.1404729+03	.2330993+03	.3257257+03	
8	.1384107+03	.2322291+03	.3260476+03	
9	.1379939+03	.2327769+03	.3275599+03	
10	.1370341+03	.2329482+03	.3288622+03	
11	.1353818+03	.2324184+03	.3294549+03	
12	.1347113+03	.2327297+03	.3307481+03	
13	.1337618+03	.2328521+03	.3319424+03	
14	.1323718+03	.2325305+03	.3326892+03	
15	.1315670+03	.2327064+03	.3338457+03	
16	.1306246+03	.2327914+03	.3349581+03	
17	.1294050+03	.2325967+03	.3357884+03	
18	.1285345+03	.2326954+03	.3368563+03	
19	.1276006+03	.2327532+03	.3379059+03	
20	.1264942+03	.2326357+03	.3387772+03	
21	.1255967+03	.2326907+03	.3397846+03	
22	.1246736+03	.2327293+03	.3407850+03	
23	.1236450+03	.2326586+03	.3416723+03	
24	.1227418+03	.2326889+03	.3426360+03	
25	.1218320+03	.2327145+03	.3435969+03	
26	.1208586+03	.2326720+03	.3444854+03	
27	.1199615+03	.2326885+03	.3454156+03	
28	.1190665+03	.2327052+03	.3463440+03	
29	.1181343+03	.2326798+03	.3472254+03	
30	.1172492+03	.2326887+03	.3481282+03	
31	.1163699+03	.2326995+03	.3490291+03	
32	.1154699+03	.2326844+03	.3498989+03	
33	.1145997+03	.2326891+03	.3507785+03	
34	.1137365+03	.2326960+03	.3516555+03	
35	.1128627+03	.2326870+03	.3525113+03	
36	.1120085+03	.2326894+03	.3533704+03	
37	.1111614+03	.2326934+03	.3542263+03	
38	.1103098+03	.2326885+03	.3550671+03	
39	.1094718+03	.2326897+03	.3559076+03	
40	.1086406+03	.2326925+03	.3567445+03	
41	.1078085+03	.2326894+03	.3575702+03	
42	.1069863+03	.2326899+03	.3583936+03	
43	.1061704+03	.2326917+03	.3592130+03	
44	.1053559+03	.2326898+03	.3600238+03	
45	.1045490+03	.2326901+03	.3608312+03	
46	.1037479+03	.2326912+03	.3616345+03	
47	.1029494+03	.2326901+03	.3624309+03	
48	.1021572+03	.2326902+03	.3632233+03	
49	.1013703+03	.2326909+03	.3640116+03	
50	.1005866+03	.2326903+03	.3647940+03	
51	.9980836+02	.2326905+03	.3655723+03	
52	.9903502+02	.2326907+03	.3663465+03	
53	.9826526+02	.2326904+03	.3671155+03	
54	.9750033+02	.2326904+03	.3678804+03	
55	.9673996+02	.2326906+03	.3686413+03	
56	.9598328+02	.2326904+03	.3693975+03	
57	.9523103+02	.2326904+03	.3701498+03	
58	.9448304+02	.2326906+03	.3708981+03	
59	.9373875+02	.2326904+03	.3716421+03	
60	.9299858+02	.2326904+03	.3723823+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: UNDER EIGHTEEN NONVIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.21296+03

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

176.

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8631201+02	.2129643+03	.3396166+03	
2	.8631201+02	.2129643+03	.3396166+03	
3	.8631201+02	.2129643+03	.3396166+03	
4	.8631201+02	.2129643+03	.3396166+03	
5	.8631201+02	.2129643+03	.3396166+03	
6	.8631201+02	.2129643+03	.3396166+03	
7	.8631201+02	.2129643+03	.3396166+03	
8	.8631201+02	.2129643+03	.3396166+03	
9	.8631201+02	.2129643+03	.3396166+03	
10	.8631201+02	.2129643+03	.3396166+03	
11	.8631201+02	.2129643+03	.3396166+03	
12	.8631201+02	.2129643+03	.3396166+03	
13	.8631201+02	.2129643+03	.3396166+03	
14	.8631201+02	.2129643+03	.3396166+03	
15	.8631201+02	.2129643+03	.3396166+03	
16	.8631201+02	.2129643+03	.3396166+03	
17	.8631201+02	.2129643+03	.3396166+03	
18	.8631201+02	.2129643+03	.3396166+03	
19	.8631201+02	.2129643+03	.3396166+03	
20	.8631201+02	.2129643+03	.3396166+03	
21	.8631201+02	.2129643+03	.3396166+03	
22	.8631201+02	.2129643+03	.3396166+03	
23	.8631201+02	.2129643+03	.3396166+03	
24	.8631201+02	.2129643+03	.3396166+03	
25	.8631201+02	.2129643+03	.3396166+03	
26	.8631201+02	.2129643+03	.3396166+03	
27	.8631201+02	.2129643+03	.3396166+03	
28	.8631201+02	.2129643+03	.3396166+03	
29	.8631201+02	.2129643+03	.3396166+03	
30	.8631201+02	.2129643+03	.3396166+03	
31	.8631201+02	.2129643+03	.3396166+03	
32	.8631201+02	.2129643+03	.3396166+03	
33	.8631201+02	.2129643+03	.3396166+03	
34	.8631201+02	.2129643+03	.3396166+03	
35	.8631201+02	.2129643+03	.3396166+03	
36	.8631201+02	.2129643+03	.3396166+03	
37	.8631201+02	.2129643+03	.3396166+03	
38	.8631201+02	.2129643+03	.3396166+03	
39	.8631201+02	.2129643+03	.3396166+03	
40	.8631201+02	.2129643+03	.3396166+03	
41	.8631201+02	.2129643+03	.3396166+03	
42	.8631201+02	.2129643+03	.3396166+03	
43	.8631201+02	.2129643+03	.3396166+03	
44	.8631201+02	.2129643+03	.3396166+03	
45	.8631201+02	.2129643+03	.3396166+03	
46	.8631201+02	.2129643+03	.3396166+03	
47	.8631201+02	.2129643+03	.3396166+03	
48	.8631201+02	.2129643+03	.3396166+03	
49	.8631201+02	.2129643+03	.3396166+03	
50	.8631201+02	.2129643+03	.3396166+03	
51	.8631201+02	.2129643+03	.3396166+03	
52	.8631201+02	.2129643+03	.3396166+03	
53	.8631201+02	.2129643+03	.3396166+03	
54	.8631201+02	.2129643+03	.3396166+03	
55	.8631201+02	.2129643+03	.3396166+03	
56	.8631201+02	.2129643+03	.3396166+03	
57	.8631201+02	.2129643+03	.3396166+03	
58	.8631201+02	.2129643+03	.3396166+03	
59	.8631201+02	.2129643+03	.3396166+03	
60	.8631201+02	.2129643+03	.3396166+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #2: NATIVES ARRESTED FOR NONVIOLENT CRIMES 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.14322+02
2	AUTOREGRESSIVE 1	1	.24995+00
3	AUTOREGRESSIVE 1	3	.36611+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.3398563+01	.2055206+02	.3770556+02	
2	.2107520+01	.1978875+02	.3746999+02	
3	.2982612+01	.2069629+02	.3840998+02	
4	-.6888256+00	.1819636+02	.3708155+02	
5	-.1863418+01	.1729204+02	.3644750+02	
6	-.1794362+01	.1739826+02	.3659088+02	
7	-.2871450+01	.1650956+02	.3589057+02	
8	-.3512545+01	.1595634+02	.3542523+02	
9	-.3632677+01	.1585695+02	.3534658+02	
10	-.4020509+01	.1550674+02	.3503400+02	
11	-.4335125+01	.1521667+02	.3476846+02	
12	-.4452439+01	.1510777+02	.3466799+02	
13	-.4616679+01	.1495234+02	.3452436+02	
14	-.4768252+01	.1480729+02	.3438283+02	
15	-.4847265+01	.1473117+02	.3430960+02	
16	-.4925481+01	.1465523+02	.3423595+02	
17	-.4999288+01	.1458315+02	.3416659+02	
18	-.5046079+01	.1453726+02	.3412060+02	
19	-.5085974+01	.1449799+02	.3408196+02	
20	-.5122640+01	.1446179+02	.3404621+02	
21	-.5148757+01	.1443594+02	.3402063+02	
22	-.5169771+01	.1441510+02	.3399997+02	
23	-.5188360+01	.1439663+02	.3398163+02	
24	-.5202516+01	.1438255+02	.3396762+02	
25	-.5213714+01	.1437141+02	.3395653+02	
26	-.5223295+01	.1436186+02	.3394701+02	
27	-.5230858+01	.1435432+02	.3393949+02	
28	-.5236838+01	.1434835+02	.3393354+02	
29	-.5241834+01	.1434337+02	.3392857+02	
30	-.5245847+01	.1433936+02	.3392456+02	
31	-.5249037+01	.1433617+02	.3392138+02	
32	-.5251661+01	.1433356+02	.3391876+02	
33	-.5253785+01	.1433143+02	.3391664+02	
34	-.5255483+01	.1432973+02	.3391495+02	
35	-.5256868+01	.1432835+02	.3391356+02	
36	-.5257992+01	.1432722+02	.3391244+02	
37	-.5258894+01	.1432632+02	.3391154+02	
38	-.5259626+01	.1432559+02	.3391081+02	
39	-.5260220+01	.1432500+02	.3391021+02	
40	-.5260699+01	.1432452+02	.3390973+02	
41	-.5261087+01	.1432413+02	.3390935+02	
42	-.5261401+01	.1432382+02	.3390903+02	
43	-.5261655+01	.1432356+02	.3390878+02	
44	-.5261861+01	.1432336+02	.3390857+02	
45	-.5262027+01	.1432319+02	.3390841+02	
46	-.5262161+01	.1432306+02	.3390827+02	
47	-.5262270+01	.1432295+02	.3390816+02	
48	-.5262358+01	.1432286+02	.3390807+02	
49	-.5262430+01	.1432279+02	.3390800+02	
50	-.5262487+01	.1432273+02	.3390795+02	
51	-.5262534+01	.1432268+02	.3390790+02	
52	-.5262572+01	.1432264+02	.3390786+02	
53	-.5262603+01	.1432261+02	.3390783+02	
54	-.5262627+01	.1432259+02	.3390781+02	
55	-.5262647+01	.1432257+02	.3390779+02	
56	-.5262663+01	.1432255+02	.3390777+02	
57	-.5262676+01	.1432254+02	.3390776+02	
58	-.5262687+01	.1432253+02	.3390775+02	
59	-.5262696+01	.1432252+02	.3390774+02	
60	-.5262703+01	.1432251+02	.3390773+02	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: NONVIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON "Z - 1) 1 OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.85163+00
2	TREND CONSTANT		.17777+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

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REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1831400+03	.2283800+03	.2736200+03	
2	.1844224+03	.2301576+03	.2758928+03	
3	.1857102+03	.2319353+03	.2781604+03	
4	.1870030+03	.2337129+03	.2804229+03	
5	.1883009+03	.2354906+03	.2826803+03	
6	.1896036+03	.2372683+03	.2849329+03	
7	.1909109+03	.2390459+03	.2871809+03	
8	.1922226+03	.2408236+03	.2894243+03	
9	.1935392+03	.2426012+03	.2916632+03	
10	.1948598+03	.2443789+03	.2938979+03	
11	.1961846+03	.2461565+03	.2961284+03	
12	.1975135+03	.2479342+03	.2983548+03	
13	.1988463+03	.2497118+03	.3005773+03	
14	.2001830+03	.2514895+03	.3027959+03	
15	.2015235+03	.2532671+03	.3050108+03	
16	.2028676+03	.2550448+03	.3072220+03	
17	.2042153+03	.2568224+03	.3094296+03	
18	.2055665+03	.2586001+03	.3116337+03	
19	.2069210+03	.2603777+03	.3138344+03	
20	.2082789+03	.2621554+03	.3160319+03	
21	.2096401+03	.2639330+03	.3182260+03	
22	.2110044+03	.2657107+03	.3204170+03	
23	.2123718+03	.2674883+03	.3226049+03	
24	.2137422+03	.2692660+03	.3247898+03	
25	.2151157+03	.2710437+03	.3269717+03	
26	.2164920+03	.2728213+03	.3291506+03	
27	.2178711+03	.2745990+03	.3313268+03	
28	.2192530+03	.2763766+03	.3335002+03	
29	.2206377+03	.2781543+03	.3356708+03	
30	.2220250+03	.2799319+03	.3378388+03	
31	.2234150+03	.2817096+03	.3400042+03	
32	.2248074+03	.2834872+03	.3421670+03	
33	.2262025+03	.2852649+03	.3443273+03	
34	.2275999+03	.2870425+03	.3464851+03	
35	.2289998+03	.2888202+03	.3486406+03	
36	.2304021+03	.2905978+03	.3507936+03	
37	.2318067+03	.2923755+03	.3529443+03	
38	.2332135+03	.2941531+03	.3550928+03	
39	.2346226+03	.2959308+03	.3572390+03	
40	.2360339+03	.2977084+03	.3593830+03	
41	.2374474+03	.2994861+03	.3615248+03	
42	.2388630+03	.3012638+03	.3636645+03	
43	.2402807+03	.3030414+03	.3658021+03	
44	.2417004+03	.3048191+03	.3679377+03	
45	.2431222+03	.3065967+03	.3700712+03	
46	.2445460+03	.3083744+03	.3722028+03	
47	.2459716+03	.3101520+03	.3743324+03	
48	.2473993+03	.3119297+03	.3764601+03	
49	.2488288+03	.3137073+03	.3785859+03	
50	.2502601+03	.3154850+03	.3807098+03	
51	.2516933+03	.3172626+03	.3828319+03	
52	.2531283+03	.3190403+03	.3849522+03	
53	.2545651+03	.3208179+03	.3870708+03	
54	.2560036+03	.3225956+03	.3891876+03	
55	.2574438+03	.3243732+03	.3913027+03	
56	.2588857+03	.3261509+03	.3934161+03	
57	.2603293+03	.3279285+03	.3955278+03	
58	.2617745+03	.3297062+03	.3976378+03	
59	.2632214+03	.3314838+03	.3997463+03	
60	.2646698+03	.3332615+03	.4018532+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: NONVIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.16389*03

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1032575+03	.1638929+03	.2245282+03	
2	.1032575+03	.1638929+03	.2245282+03	
3	.1032575+03	.1638929+03	.2245282+03	
4	.1032575+03	.1638929+03	.2245282+03	
5	.1032575+03	.1638929+03	.2245282+03	
6	.1032575+03	.1638929+03	.2245282+03	
7	.1032575+03	.1638929+03	.2245282+03	
8	.1032575+03	.1638929+03	.2245282+03	
9	.1032575+03	.1638929+03	.2245282+03	
10	.1032575+03	.1638929+03	.2245282+03	
11	.1032575+03	.1638929+03	.2245282+03	
12	.1032575+03	.1638929+03	.2245282+03	
13	.1032575+03	.1638929+03	.2245282+03	
14	.1032575+03	.1638929+03	.2245282+03	
15	.1032575+03	.1638929+03	.2245282+03	
16	.1032575+03	.1638929+03	.2245282+03	
17	.1032575+03	.1638929+03	.2245282+03	
18	.1032575+03	.1638929+03	.2245282+03	
19	.1032575+03	.1638929+03	.2245282+03	
20	.1032575+03	.1638929+03	.2245282+03	
21	.1032575+03	.1638929+03	.2245282+03	
22	.1032575+03	.1638929+03	.2245282+03	
23	.1032575+03	.1638929+03	.2245282+03	
24	.1032575+03	.1638929+03	.2245282+03	
25	.1032575+03	.1638929+03	.2245282+03	
26	.1032575+03	.1638929+03	.2245282+03	
27	.1032575+03	.1638929+03	.2245282+03	
28	.1032575+03	.1638929+03	.2245282+03	
29	.1032575+03	.1638929+03	.2245282+03	
30	.1032575+03	.1638929+03	.2245282+03	
31	.1032575+03	.1638929+03	.2245282+03	
32	.1032575+03	.1638929+03	.2245282+03	
33	.1032575+03	.1638929+03	.2245282+03	
34	.1032575+03	.1638929+03	.2245282+03	
35	.1032575+03	.1638929+03	.2245282+03	
36	.1032575+03	.1638929+03	.2245282+03	
37	.1032575+03	.1638929+03	.2245282+03	
38	.1032575+03	.1638929+03	.2245282+03	
39	.1032575+03	.1638929+03	.2245282+03	
40	.1032575+03	.1638929+03	.2245282+03	
41	.1032575+03	.1638929+03	.2245282+03	
42	.1032575+03	.1638929+03	.2245282+03	
43	.1032575+03	.1638929+03	.2245282+03	
44	.1032575+03	.1638929+03	.2245282+03	
45	.1032575+03	.1638929+03	.2245282+03	
46	.1032575+03	.1638929+03	.2245282+03	
47	.1032575+03	.1638929+03	.2245282+03	
48	.1032575+03	.1638929+03	.2245282+03	
49	.1032575+03	.1638929+03	.2245282+03	
50	.1032575+03	.1638929+03	.2245282+03	
51	.1032575+03	.1638929+03	.2245282+03	
52	.1032575+03	.1638929+03	.2245282+03	
53	.1032575+03	.1638929+03	.2245282+03	
54	.1032575+03	.1638929+03	.2245282+03	
55	.1032575+03	.1638929+03	.2245282+03	
56	.1032575+03	.1638929+03	.2245282+03	
57	.1032575+03	.1638929+03	.2245282+03	
58	.1032575+03	.1638929+03	.2245282+03	
59	.1032575+03	.1638929+03	.2245282+03	
60	.1032575+03	.1638929+03	.2245282+03	

58	.5407132+00
59	.5407132+00

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #3: NONVIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - 11 I OF ORDER 1

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	1	-.63989+00
2	AUTOREGRESSIVE 1	2	-.20952+00
3	TREND CONSTANT		.48447+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2157060+02	.3219210+02	.4281361+02	
2	.2193831+02	.3322753+02	.4451674+02	
3	.2108671+02	.3384727+02	.4660783+02	
4	.1961163+02	.3371823+02	.4782484+02	
5	.1900469+02	.3415542+02	.4930616+02	
6	.1815532+02	.3438717+02	.5061903+02	
7	.1741612+02	.3463175+02	.5184737+02	
8	.1676683+02	.3491116+02	.5305549+02	
9	.1613113+02	.3516559+02	.5420006+02	
10	.1554768+02	.3542871+02	.5530974+02	
11	.1499750+02	.3569151+02	.5638551+02	
12	.1447635+02	.3595269+02	.5742902+02	
13	.1398408+02	.3621497+02	.5844586+02	
14	.1351609+02	.3647688+02	.5943768+02	
15	.1307063+02	.3673880+02	.6040698+02	
16	.1264579+02	.3700080+02	.6135580+02	
17	.1223974+02	.3726274+02	.6228575+02	
18	.1185108+02	.3752470+02	.6319833+02	
19	.1147851+02	.3778666+02	.6409482+02	
20	.1112088+02	.3804862+02	.6497636+02	
21	.1077719+02	.3831056+02	.6584397+02	
22	.1044654+02	.3857254+02	.6669854+02	
23	.1012812+02	.3883450+02	.6754087+02	
24	.9821206+01	.3909646+02	.6837171+02	
25	.9525136+01	.3935842+02	.6919169+02	
26	.9239315+01	.3962037+02	.7000143+02	
27	.8963197+01	.3988233+02	.7080147+02	
28	.8696284+01	.4014429+02	.7159230+02	
29	.8438119+01	.4040625+02	.7237438+02	
30	.8188283+01	.4066821+02	.7314814+02	
31	.7946386+01	.4093017+02	.7391395+02	
32	.7712072+01	.4119213+02	.7467218+02	
33	.7485007+01	.4145409+02	.7542317+02	
34	.7264884+01	.4171604+02	.7616721+02	
35	.7051413+01	.4197800+02	.7690459+02	
36	.6844327+01	.4223996+02	.7763560+02	
37	.6643377+01	.4250192+02	.7836047+02	
38	.6448327+01	.4276388+02	.7907943+02	
39	.6258957+01	.4302584+02	.7979272+02	
40	.6075061+01	.4328780+02	.8050054+02	
41	.5896443+01	.4354976+02	.8120307+02	
42	.5722921+01	.4381172+02	.8190051+02	
43	.5554322+01	.4407367+02	.8259303+02	
44	.5390483+01	.4433563+02	.8328078+02	
45	.5231250+01	.4459759+02	.8396394+02	
46	.5076475+01	.4485955+02	.8464263+02	
47	.4926020+01	.4512151+02	.8531700+02	
48	.4779755+01	.4538347+02	.8598718+02	
49	.4637552+01	.4564543+02	.8665330+02	
50	.4499295+01	.4590739+02	.8731548+02	
51	.4364868+01	.4616935+02	.8797382+02	
52	.4234165+01	.4643130+02	.8862844+02	
53	.4107083+01	.4669326+02	.8927944+02	
54	.3983522+01	.4695522+02	.8992692+02	
55	.3863389+01	.4721718+02	.9057097+02	
56	.3746595+01	.4747914+02	.9121168+02	
57	.3633053+01	.4774110+02	.9184914+02	
58	.3522681+01	.4800306+02	.9248343+02	
59	.3415400+01	.4826502+02	.9311463+02	
60	.3311134+01	.4852697+02	.9374281+02	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = OREGON #4: NONVIOLENT CRIME, OVER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.11173+03
2	AUTOREGRESSIVE 1	1	.35360+00
3	AUTOREGRESSIVE 2	12	.20088+00
4	AUTOREGRESSIVE 2	24	.27667+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8757700+02	.1205691+03	.1535611+03	
2	.9190421+02	.1268981+03	.1618920+03	
3	.7593562+02	.1111718+03	.1464080+03	
4	.8214275+02	.1174091+03	.1526755+03	
5	.7021863+02	.1054886+03	.1407589+03	
6	.7231966+02	.1075903+03	.1428609+03	
7	.7105432+02	.1063250+03	.1415956+03	
8	.6655423+02	.1018249+03	.1370956+03	
9	.7854926+02	.1138199+03	.1490906+03	
10	.8841424+02	.1236849+03	.1589556+03	
11	.7450126+02	.1097719+03	.1450426+03	
12	.8478373+02	.1200544+03	.1553251+03	
13	.8571339+02	.1216014+03	.1574893+03	
14	.8580168+02	.1217661+03	.1577305+03	
15	.7460952+02	.1105835+03	.1465574+03	
16	.7503129+02	.1110064+03	.1469816+03	
17	.6959315+02	.1055684+03	.1415437+03	
18	.7139864+02	.1073740+03	.1433493+03	
19	.7474118+02	.1107165+03	.1466918+03	
20	.7107048+02	.1070458+03	.1430211+03	
21	.7514012+02	.1111154+03	.1470908+03	
22	.7241845+02	.1083938+03	.1443691+03	
23	.7294359+02	.1089189+03	.1448942+03	
24	.7888256+02	.1148579+03	.1508332+03	
25	.7869116+02	.1161561+03	.1536210+03	
26	.8029321+02	.1179402+03	.1555873+03	
27	.7367308+02	.1113428+03	.1490126+03	
28	.7548089+02	.1131535+03	.1508261+03	
29	.7109012+02	.1087631+03	.1464360+03	
30	.7203420+02	.1097072+03	.1473802+03	
31	.7235559+02	.1100286+03	.1477016+03	
32	.7037316+02	.1080462+03	.1457191+03	
33	.7450936+02	.1121824+03	.1498553+03	
34	.7669197+02	.1143650+03	.1520379+03	
35	.7294815+02	.1106211+03	.1482941+03	
36	.7698605+02	.1146590+03	.1523320+03	
37	.7746991+02	.1153478+03	.1532258+03	
38	.7784835+02	.1157518+03	.1536553+03	
39	.7342594+02	.1113326+03	.1492393+03	
40	.7390[illegible]+02	.1118134+03	.1497204+03	
41	.7151975+02	.1094269+03	.1473340+03	
42	.7220893+02	.1101160+03	.1480232+03	
43	.7319828+02	.1111054+03	.1490125+03	
44	.7178446+02	.1096916+03	.1475987+03	
45	.7374131+02	.1116484+03	.1495555+03	
46	.7342676+02	.1113339+03	.1492410+03	
47	.7261997+02	.1107271+03	.1486342+03	
48	.7527426+02	.1131814+03	.1510885+03	
49	.7559319+02	.1136789+03	.1517647+03	
50	.7614569+02	.1142537+03	.1523617+03	
51	.7342984+02	.1115406+03	.1496514+03	
52	.7402702+02	.1121382+03	.1502493+03	
53	.7233287+02	.1104441+03	.1485552+03	
54	.7273253+02	.1108437+03	.1489549+03	
55	.7302019+02	.1111314+03	.1492426+03	
56	.7218770+02	.1102989+03	.1484101+03	
57	.7372516+02	.1118364+03	.1499475+03	
58	.7426584+02	.1123770+03	.1504882+03	
59	.7310814+02	.1112193+03	.1493305+03	
60	.7471834+02	.1128295+03	.1509407+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #4: NONVIOLENT CRIME, UNDER 18 . 84 OBSERVATIONS

DIFFERENCING ON Z = NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.94926+02
2	AUTOREGRESSIVE 1	1	.25507+00
3	AUTOREGRESSIVE 1	12	.18636+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.4238339+02	.8235287+02	.1223224+03	
2	.5309254+02	.9434179+02	.1355910+03	
3	.5849138+02	.9982252+02	.1411537+03	
4	.5876589+02	.1001023+03	.1414388+03	
5	.5361884+02	.9495566+02	.1362925+03	
6	.5361056+02	.9494739+02	.1362842+03	
7	.4783130+02	.8916813+02	.1305050+03	
8	.5120251+02	.9253935+02	.1338762+03	
9	.4852159+02	.8985842+02	.1311953+03	
10	.5081951+02	.9215634+02	.1334932+03	
11	.5326924+02	.9460608+02	.1359429+03	
12	.4662608+02	.8796291+02	.1292997+03	
13	.4880423+02	.9080681+02	.1328094+03	
14	.5159234+02	.9376647+02	.1359406+03	
15	.5334361+02	.9554278+02	.1377420+03	
16	.5384595+02	.9604802+02	.1382501+03	
17	.5301539+02	.9521776+02	.1374201+03	
18	.5280205+02	.9500444+02	.1372068+03	
19	.5167061+02	.9387301+02	.1360754+03	
20	.5201027+02	.9421267+02	.1364151+03	
21	.5159729+02	.9379969+02	.1360021+03	
22	.5192019+02	.9412259+02	.1363250+03	
23	.5245909+02	.9466148+02	.1368639+03	
24	.5135853+02	.9356092+02	.1357633+03	
25	.5158497+02	.9381019+02	.1360354+03	
26	.5218675+02	.9442533+02	.1366639+03	
27	.5267122+02	.9491327+02	.1371553+03	
28	.5288920+02	.9513189+02	.1373746+03	
29	.5279015+02	.9503292+02	.1372757+03	
30	.5272514+02	.9496792+02	.1372107+03	
31	.5249771+02	.9474049+02	.1369833+03	
32	.5250299+02	.9474578+02	.1369886+03	
33	.5242738+02	.9467017+02	.1369130+03	
34	.5246827+02	.9471105+02	.1369538+03	
35	.5257913+02	.9482191+02	.1370647+03	
36	.5240230+02	.9464509+02	.1368879+03	
37	.5240286+02	.9464644+02	.1368900+03	
38	.5251702+02	.9476142+02	.1370058+03	
39	.5263694+02	.9488168+02	.1371264+03	
40	.5270827+02	.9495310+02	.1371979+03	
41	.5270803+02	.9495287+02	.1371977+03	
42	.5269586+02	.9494070+02	.1371855+03	
43	.5265037+02	.9489521+02	.1371401+03	
44	.5263975+02	.9488460+02	.1371294+03	
45	.5262295+02	.9486780+02	.1371126+03	
46	.5262628+02	.9487113+02	.1371160+03	
47	.5264779+02	.9489264+02	.1371375+03	
48	.5262033+02	.9486517+02	.1371100+03	
49	.5261355+02	.9485842+02	.1371033+03	
50	.5263321+02	.9487813+02	.1371230+03	
51	.5266062+02	.9490556+02	.1371505+03	
52	.5268092+02	.9492587+02	.1371708+03	
53	.5268605+02	.9493101+02	.1371760+03	
54	.5268509+02	.9493005+02	.1371750+03	
55	.5267637+02	.9492133+02	.1371663+03	
56	.5267217+02	.9491713+02	.1371621+03	
57	.5266797+02	.9491292+02	.1371579+03	
58	.5266752+02	.9491247+02	.1371574+03	
59	.5267141+02	.9491637+02	.1371613+03	
60	.5266729+02	.9491224+02	.1371572+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #4: NONVIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.33333+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

CONTINUED

4 OF 5

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.1641272+01	.3333333+01	.8307937+01	
2	-.1641272+01	.3333333+01	.8307937+01	
3	-.1641272+01	.3333333+01	.8307937+01	
4	-.1641272+01	.3333333+01	.8307937+01	
5	-.1641272+01	.3333333+01	.8307937+01	
6	-.1641272+01	.3333333+01	.8307937+01	
7	-.1641272+01	.3333333+01	.8307937+01	
8	-.1641272+01	.3333333+01	.8307937+01	
9	-.1641272+01	.3333333+01	.8307937+01	
10	-.1641272+01	.3333333+01	.8307937+01	
11	-.1641272+01	.3333333+01	.8307937+01	
12	-.1641272+01	.3333333+01	.8307937+01	
13	-.1641272+01	.3333333+01	.8307937+01	
14	-.1641272+01	.3333333+01	.8307937+01	
15	-.1641272+01	.3333333+01	.8307937+01	
16	-.1641272+01	.3333333+01	.8307937+01	
17	-.1641272+01	.3333333+01	.8307937+01	
18	-.1641272+01	.3333333+01	.8307937+01	
19	-.1641272+01	.3333333+01	.8307937+01	
20	-.1641272+01	.3333333+01	.8307937+01	
21	-.1641272+01	.3333333+01	.8307937+01	
22	-.1641272+01	.3333333+01	.8307937+01	
23	-.1641272+01	.3333333+01	.8307937+01	
24	-.1641272+01	.3333333+01	.8307937+01	
25	-.1641272+01	.3333333+01	.8307937+01	
26	-.1641272+01	.3333333+01	.8307937+01	
27	-.1641272+01	.3333333+01	.8307937+01	
28	-.1641272+01	.3333333+01	.8307937+01	
29	-.1641272+01	.3333333+01	.8307937+01	
30	-.1641272+01	.3333333+01	.8307937+01	
31	-.1641272+01	.3333333+01	.8307937+01	
32	-.1641272+01	.3333333+01	.8307937+01	
33	-.1641272+01	.3333333+01	.8307937+01	
34	-.1641272+01	.3333333+01	.8307937+01	
35	-.1641272+01	.3333333+01	.8307937+01	
36	-.1641272+01	.3333333+01	.8307937+01	
37	-.1641272+01	.3333333+01	.8307937+01	
38	-.1641272+01	.3333333+01	.8307937+01	
39	-.1641272+01	.3333333+01	.8307937+01	
40	-.1641272+01	.3333333+01	.8307937+01	
41	-.1641272+01	.3333333+01	.8307937+01	
42	-.1641272+01	.3333333+01	.8307937+01	
43	-.1641272+01	.3333333+01	.8307937+01	
44	-.1641272+01	.3333333+01	.8307937+01	
45	-.1641272+01	.3333333+01	.8307937+01	
46	-.1641272+01	.3333333+01	.8307937+01	
47	-.1641272+01	.3333333+01	.8307937+01	
48	-.1641272+01	.3333333+01	.8307937+01	
49	-.1641272+01	.3333333+01	.8307937+01	
50	-.1641272+01	.3333333+01	.8307937+01	
51	-.1641272+01	.3333333+01	.8307937+01	
52	-.1641272+01	.3333333+01	.8307937+01	
53	-.1641272+01	.3333333+01	.8307937+01	
54	-.1641272+01	.3333333+01	.8307937+01	
55	-.1641272+01	.3333333+01	.8307937+01	
56	-.1641272+01	.3333333+01	.8307937+01	
57	-.1641272+01	.3333333+01	.8307937+01	
58	-.1641272+01	.3333333+01	.8307937+01	
59	-.1641272+01	.3333333+01	.8307937+01	
60	-.1641272+01	.3333333+01	.8307937+01	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #5: NONVIOLENT CRIME, OVER 18

DIFFERENCING ON Z - 1) I OF ORDER 1 84 OBSERVATIONS

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MOVING AVERAGE 1	1	.71892+00
2	TREND CONSTANT		.89011+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 3 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1204049+03	.1764563+03	.2325077+03	
2	.1191230+03	.1773464+03	.2355698+03	
3	.1179192+03	.1782365+03	.2385538+03	
4	.1167857+03	.1791266+03	.2414676+03	
5	.1157158+03	.1800167+03	.2443176+03	
6	.1147040+03	.1809066+03	.2471097+03	
7	.1137453+03	.1817969+03	.2498486+03	
8	.1128355+03	.1826870+03	.2525386+03	
9	.1119709+03	.1835772+03	.2551834+03	
10	.1111483+03	.1844673+03	.2577862+03	
11	.1103649+03	.1853574+03	.2603499+03	
12	.1096179+03	.1862475+03	.2628770+03	
13	.1089052+03	.1871376+03	.2653699+03	
14	.1082247+03	.1880277+03	.2678306+03	
15	.1075745+03	.1889178+03	.2702610+03	
16	.1069530+03	.1898079+03	.2726628+03	
17	.1063585+03	.1906980+03	.2750375+03	
18	.1057897+03	.1915881+03	.2773865+03	
19	.1052454+03	.1924782+03	.2797111+03	
20	.1047242+03	.1933683+03	.2820125+03	
21	.1042251+03	.1942584+03	.2842917+03	
22	.1037472+03	.1951485+03	.2865499+03	
23	.1032894+03	.1960386+03	.2887879+03	
24	.1028510+03	.1969287+03	.2910065+03	
25	.1024310+03	.1978188+03	.2932067+03	
26	.1020288+03	.1987090+03	.2953891+03	
27	.1016436+03	.1995991+03	.2975545+03	
28	.1012749+03	.2004892+03	.2997035+03	
29	.1009219+03	.2013793+03	.3018367+03	
30	.1005841+03	.2022694+03	.3039547+03	
31	.1002609+03	.2031595+03	.3060580+03	
32	.9995193+02	.2040496+03	.3081473+03	
33	.9965657+02	.2049397+03	.3102228+03	
34	.9937442+02	.2058296+03	.3122852+03	
35	.9910504+02	.2067199+03	.3143348+03	
36	.9884802+02	.2076100+03	.3163720+03	
37	.9860297+02	.2085001+03	.3183973+03	
38	.9836953+02	.2093902+03	.3204109+03	
39	.9814735+02	.2102803+03	.3224133+03	
40	.9793609+02	.2111704+03	.3244048+03	
41	.9773544+02	.2120605+03	.3263857+03	
42	.9754510+02	.2129507+03	.3283562+03	
43	.9736478+02	.2138406+03	.3303167+03	
44	.9719421+02	.2147309+03	.3322675+03	
45	.9703312+02	.2156210+03	.3342086+03	
46	.9688128+02	.2165111+03	.3361409+03	
47	.9673843+02	.2174012+03	.3380639+03	
48	.9660434+02	.2182913+03	.3399782+03	
49	.9647881+02	.2191814+03	.3418840+03	
50	.9636161+02	.2200715+03	.3437814+03	
51	.9625255+02	.2209616+03	.3456707+03	
52	.9615144+02	.2218517+03	.3475520+03	
53	.9605807+02	.2227418+03	.3494256+03	
54	.9597229+02	.2236319+03	.3512916+03	
55	.9589390+02	.2245220+03	.3531502+03	
56	.9582276+02	.2254121+03	.3550015+03	
57	.9575869+02	.2263022+03	.3568458+03	
58	.9570155+02	.2271924+03	.3586832+03	
59	.9565118+02	.2280825+03	.3605137+03	
60	.9560745+02	.2289726+03	.3623377+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #5: NONVIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.16593+03
2	AUTOREGRESSIVE 1	6	.26473+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6228223+02	.1556243+03	.2489664+03	
2	.5857596+02	.1519180+03	.2452601+03	
3	.5248708+02	.1458291+03	.2391712+03	
4	.5169288+02	.1450349+03	.2383770+03	
5	.5566389+02	.1490060+03	.2423480+03	
6	.5486969+02	.1482118+03	.2415538+03	
7	.6664455+02	.1632021+03	.2597597+03	
8	.6566337+02	.1622209+03	.2587785+03	
9	.6405144+02	.1606090+03	.2571666+03	
10	.6384119+02	.1603988+03	.2569563+03	
11	.6489245+02	.1614500+03	.2580076+03	
12	.6468220+02	.1612398+03	.2577973+03	
13	.6342930+02	.1652082+03	.2619872+03	
14	.6816955+02	.1649485+03	.2617274+03	
15	.6774282+02	.1645217+03	.2613007+03	
16	.6768716+02	.1644661+03	.2612450+03	
17	.6796546+02	.1647444+03	.2615233+03	
18	.6790980+02	.1646887+03	.2614677+03	
19	.6894490+02	.1657393+03	.2625337+03	
20	.6887613+02	.1656705+03	.2624650+03	
21	.6876316+02	.1655576+03	.2623520+03	
22	.6874843+02	.1655428+03	.2623373+03	
23	.6882210+02	.1656165+03	.2624109+03	
24	.6880737+02	.1656018+03	.2623962+03	
25	.6908441+02	.1658799+03	.2626754+03	
26	.6906620+02	.1658617+03	.2626572+03	
27	.6903630+02	.1658318+03	.2626273+03	
28	.6903240+02	.1658279+03	.2626234+03	
29	.6905190+02	.1658474+03	.2626429+03	
30	.6904800+02	.1658435+03	.2626390+03	
31	.6912155+02	.1659171+03	.2627127+03	
32	.6911673+02	.1659123+03	.2627079+03	
33	.6910682+02	.1659044+03	.2627000+03	
34	.6910778+02	.1659034+03	.2626989+03	
35	.6911295+02	.1659085+03	.2627041+03	
36	.6911191+02	.1659075+03	.2627031+03	
37	.6913140+02	.1659270+03	.2627226+03	
38	.6913013+02	.1659257+03	.2627213+03	
39	.6912803+02	.1659236+03	.2627192+03	
40	.6912775+02	.1659233+03	.2627189+03	
41	.6912912+02	.1659247+03	.2627203+03	
42	.6912885+02	.1659244+03	.2627200+03	
43	.6913401+02	.1659296+03	.2627252+03	
44	.6913367+02	.1659293+03	.2627248+03	
45	.6913312+02	.1659287+03	.2627243+03	
46	.6913304+02	.1659286+03	.2627242+03	
47	.6913341+02	.1659290+03	.2627246+03	
48	.6913333+02	.1659289+03	.2627245+03	
49	.6913470+02	.1659303+03	.2627259+03	
50	.6913461+02	.1659302+03	.2627258+03	
51	.6913446+02	.1659300+03	.2627256+03	
52	.6913444+02	.1659300+03	.2627256+03	
53	.6913454+02	.1659301+03	.2627257+03	
54	.6913452+02	.1659301+03	.2627257+03	
55	.6913488+02	.1659305+03	.2627260+03	
56	.6913486+02	.1659304+03	.2627260+03	
57	.6913482+02	.1659304+03	.2627260+03	
58	.6913482+02	.1659304+03	.2627260+03	
59	.6913484+02	.1659304+03	.2627260+03	
60	.6913483+02	.1659304+03	.2627260+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #5: NONVIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.10420+02
2	AUTOREGRESSIVE 1	1	.35453+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.8036953+01	.1558927+02	.2314158+02	
2	.4239970+01	.1225287+02	.2026577+02	
3	.3001083+01	.1107002+02	.1913895+02	
4	.2574710+01	.1065066+02	.1872661+02	
5	.2425153+01	.1050198+02	.1857881+02	
6	.2372332+01	.1044927+02	.1852622+02	
7	.2353631+01	.1043059+02	.1850754+02	
8	.2347004+01	.1042396+02	.1850092+02	
9	.2344655+01	.1042161+02	.1849857+02	
10	.2343822+01	.1042078+02	.1849774+02	
11	.2343527+01	.1042048+02	.1849744+02	
12	.2343423+01	.1042038+02	.1849734+02	
13	.2343385+01	.1042034+02	.1849730+02	
14	.2343372+01	.1042033+02	.1849729+02	
15	.2343368+01	.1042032+02	.1849728+02	
16	.2343366+01	.1042032+02	.1849728+02	
17	.2343365+01	.1042032+02	.1849728+02	
18	.2343365+01	.1042032+02	.1849728+02	
19	.2343365+01	.1042032+02	.1849728+02	
20	.2343365+01	.1042032+02	.1849728+02	
21	.2343365+01	.1042032+02	.1849728+02	
22	.2343365+01	.1042032+02	.1849728+02	
23	.2343365+01	.1042032+02	.1849728+02	
24	.2343365+01	.1042032+02	.1849728+02	
25	.2343365+01	.1042032+02	.1849728+02	
26	.2343365+01	.1042032+02	.1849728+02	
27	.2343365+01	.1042032+02	.1849728+02	
28	.2343365+01	.1042032+02	.1849728+02	
29	.2343365+01	.1042032+02	.1849728+02	
30	.2343365+01	.1042032+02	.1849728+02	
31	.2343365+01	.1042032+02	.1849728+02	
32	.2343365+01	.1042032+02	.1849728+02	
33	.2343365+01	.1042032+02	.1849728+02	
34	.2343365+01	.1042032+02	.1849728+02	
35	.2343365+01	.1042032+02	.1849728+02	
36	.2343365+01	.1042032+02	.1849728+02	
37	.2343365+01	.1042032+02	.1849728+02	
38	.2343365+01	.1042032+02	.1849728+02	
39	.2343365+01	.1042032+02	.1849728+02	
40	.2343365+01	.1042032+02	.1849728+02	
41	.2343365+01	.1042032+02	.1849728+02	
42	.2343365+01	.1042032+02	.1849728+02	
43	.2343365+01	.1042032+02	.1849728+02	
44	.2343365+01	.1042032+02	.1849728+02	
45	.2343365+01	.1042032+02	.1849728+02	
46	.2343365+01	.1042032+02	.1849728+02	
47	.2343365+01	.1042032+02	.1849728+02	
48	.2343365+01	.1042032+02	.1849728+02	
49	.2343365+01	.1042032+02	.1849728+02	
50	.2343365+01	.1042032+02	.1849728+02	
51	.2343365+01	.1042032+02	.1849728+02	
52	.2343365+01	.1042032+02	.1849728+02	
53	.2343365+01	.1042032+02	.1849728+02	
54	.2343365+01	.1042032+02	.1849728+02	
55	.2343365+01	.1042032+02	.1849728+02	
56	.2343365+01	.1042032+02	.1849728+02	
57	.2343365+01	.1042032+02	.1849728+02	
58	.2343365+01	.1042032+02	.1849728+02	
59	.2343365+01	.1042032+02	.1849728+02	
60	.2343365+01	.1042032+02	.1849728+02	

TIME SERIES FORECASTING FOR MODEL I

****

DATA - Z = OREGON #6: NONVIOLENT CRIME, OVER 18

DIFFERENCING ON Z - 1) 1 OF ORDER I 84 OBSERVATIONS

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	AUTOREGRESSIVE 1	30	-.95010-01
2	MOVING AVERAGE 1	10	-.26084+00
3	MOVING AVERAGE 1	20	-.27202+00
4	TREND CONSTANT		.34993+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE I= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.2410672+03	.2926869+03	.3442866+03	
2	.2324777+03	.3054508+03	.3784238+03	
3	.2017913+03	.2911647+03	.3805381+03	
4	.1877731+03	.2909726+03	.3941721+03	
5	.1800966+03	.2954771+03	.4108576+03	
6	.1673093+03	.2937023+03	.4200954+03	
7	.1566619+03	.2931820+03	.4297021+03	
8	.1488626+03	.2948087+03	.4407548+03	
9	.1494392+03	.3042384+03	.4590376+03	
10	.1675885+03	.3307612+03	.4939340+03	
11	.1657343+03	.3413986+03	.5170633+03	
12	.1535017+03	.3408269+03	.5281520+03	
13	.1384498+03	.3367511+03	.5350524+03	
14	.1284340+03	.3371349+03	.5458358+03	
15	.1209466+03	.3395530+03	.5581594+03	
16	.1223706+03	.3504527+03	.5785348+03	
17	.1202214+03	.3574009+03	.5945805+03	
18	.1077460+03	.3536867+03	.5996274+03	
19	.1082342+03	.3626345+03	.6170348+03	
20	.1278045+03	.3903920+03	.6529795+03	
21	.1167999+03	.3910411+03	.6652822+03	
22	.1082659+03	.3936853+03	.6791047+03	
23	.1057591+03	.4019351+03	.6981112+03	
24	.9868892+02	.4052445+03	.7118000+03	
25	.9252894+02	.4091238+03	.7257187+03	
26	.8259225+02	.4089178+03	.7352433+03	
27	.7892305+02	.4146974+03	.7504717+03	
28	.7437244+02	.4193366+03	.7643012+03	
29	.6578495+02	.4197008+03	.7736167+03	
30	.5323792+02	.4158844+03	.7785309+03	
31	.4897037+02	.4191285+03	.7892866+03	
32	.4389484+02	.4214151+03	.7989354+03	
33	.4153017+02	.4262716+03	.8110134+03	
34	.3795951+02	.4297894+03	.8216192+03	
35	.3406858+02	.4328607+03	.8316529+03	
36	.3089373+02	.4365287+03	.8421636+03	
37	.2771323+02	.4400774+03	.8524417+03	
38	.2443681+02	.4434222+03	.8624077+03	
39	.2052204+02	.4460257+03	.8715293+03	
40	.1508162+02	.4470051+03	.8789285+03	
41	.1145916+02	.4494937+03	.8875283+03	
42	.8985794+01	.4530474+03	.8971090+03	
43	.6926048+01	.4569340+03	.9069419+03	
44	.4520157+01	.4603968+03	.9162735+03	
45	.1995575+01	.4636664+03	.9253373+03	
46	-.1263000+01	.4661302+03	.9335234+03	
47	-.4076942+01	.4689694+03	.9420157+03	
48	-.5811085+01	.4728216+03	.9514543+03	
49	-.8683781+01	.4754708+03	.9596254+03	
50	-.1328132+02	.4763329+03	.9659472+03	
51	-.1504640+02	.4797706+03	.9745896+03	
52	-.1695087+02	.4830187+03	.9829883+03	
53	-.1933340+02	.4857342+03	.9908018+03	
54	-.2119559+02	.4889191+03	.9990339+03	
55	-.2306249+02	.4920499+03	.1007162+04	
56	-.2449321+02	.4955688+03	.1015631+04	
57	-.2644596+02	.4985190+03	.1023484+04	
58	-.2824501+02	.5015776+03	.1031400+04	
59	-.2959373+02	.5050423+03	.1039678+04	
60	-.3050231+02	.5089043+03	.1048311+04	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #6: NONVIOLENT CRIME, UNDER 18 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.17100+03
2	AUTOREGRESSIVE 1	1	.21666+00
3	AUTOREGRESSIVE 1	2	.23356+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1078411+03	.1869059+03	.2659707+03	
2	.1061615+03	.1870607+03	.2679599+03	
3	.9431280+02	.1781969+03	.2620810+03	
4	.9196757+02	.1763126+03	.2606577+03	
5	.8919179+02	.1738341+03	.2584765+03	
6	.8813851+02	.1728570+03	.2575756+03	
7	.8731298+02	.1720665+03	.2568200+03	
8	.8690247+02	.1716670+03	.2564315+03	
9	.8662686+02	.1713958+03	.2561647+03	
10	.8647328+02	.1712437+03	.2560141+03	
11	.8637642+02	.1711474+03	.2559184+03	
12	.8631984+02	.1710910+03	.2558622+03	
13	.8628506+02	.1710563+03	.2558276+03	
14	.8626435+02	.1710356+03	.2558069+03	
15	.8625175+02	.1710231+03	.2557944+03	
16	.8624419+02	.1710155+03	.2557868+03	
17	.8623961+02	.1710109+03	.2557822+03	
18	.8623685+02	.1710082+03	.2557795+03	
19	.8623518+02	.1710065+03	.2557778+03	
20	.8623418+02	.1710055+03	.2557768+03	
21	.8623357+02	.1710049+03	.2557762+03	
22	.8623320+02	.1710045+03	.2557758+03	
23	.8623298+02	.1710043+03	.2557756+03	
24	.8623285+02	.1710042+03	.2557755+03	
25	.8623277+02	.1710041+03	.2557754+03	
26	.8623272+02	.1710040+03	.2557754+03	
27	.8623269+02	.1710040+03	.2557753+03	
28	.8623267+02	.1710040+03	.2557753+03	
29	.8623266+02	.1710040+03	.2557753+03	
30	.8623266+02	.1710040+03	.2557753+03	
31	.8623265+02	.1710040+03	.2557753+03	
32	.8623265+02	.1710040+03	.2557753+03	
33	.8623265+02	.1710040+03	.2557753+03	
34	.8623265+02	.1710040+03	.2557753+03	
35	.8623265+02	.1710040+03	.2557753+03	
36	.8623265+02	.1710040+03	.2557753+03	
37	.8623265+02	.1710040+03	.2557753+03	
38	.8623265+02	.1710040+03	.2557753+03	
39	.8623265+02	.1710040+03	.2557753+03	
40	.8623265+02	.1710040+03	.2557753+03	
41	.8623265+02	.1710040+03	.2557753+03	
42	.8623265+02	.1710040+03	.2557753+03	
43	.8623265+02	.1710040+03	.2557753+03	
44	.8623265+02	.1710040+03	.2557753+03	
45	.8623265+02	.1710040+03	.2557753+03	
46	.8623265+02	.1710040+03	.2557753+03	
47	.8623265+02	.1710040+03	.2557753+03	
48	.8623265+02	.1710040+03	.2557753+03	
49	.8623265+02	.1710040+03	.2557753+03	
50	.8623265+02	.1710040+03	.2557753+03	
51	.8623265+02	.1710040+03	.2557753+03	
52	.8623265+02	.1710040+03	.2557753+03	
53	.8623265+02	.1710040+03	.2557753+03	
54	.8623265+02	.1710040+03	.2557753+03	
55	.8623265+02	.1710040+03	.2557753+03	
56	.8623265+02	.1710040+03	.2557753+03	
57	.8623265+02	.1710040+03	.2557753+03	
58	.8623265+02	.1710040+03	.2557753+03	
59	.8623265+02	.1710040+03	.2557753+03	
60	.8623265+02	.1710040+03	.2557753+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #6: NONVICLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

****

UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE

****

1	MEAN		.41667+01

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

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REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	-.2357608+01	.4166666+01	.1069094+02	
2	-.2357608+01	.4166666+01	.1069094+02	
3	-.2357608+01	.4166666+01	.1069094+02	
4	-.2357608+01	.4166666+01	.1069094+02	
5	-.2357608+01	.4166666+01	.1069094+02	
6	-.2357608+01	.4166666+01	.1069094+02	
7	-.2357608+01	.4166666+01	.1069094+02	
8	-.2357608+01	.4166666+01	.1069094+02	
9	-.2357608+01	.4166666+01	.1069094+02	
10	-.2357608+01	.4166666+01	.1069094+02	
11	-.2357608+01	.4166666+01	.1069094+02	
12	-.2357608+01	.4166666+01	.1069094+02	
13	-.2357608+01	.4166666+01	.1069094+02	
14	-.2357608+01	.4166666+01	.1069094+02	
15	-.2357608+01	.4166666+01	.1069094+02	
16	-.2357608+01	.4166666+01	.1069094+02	
17	-.2357608+01	.4166666+01	.1069094+02	
18	-.2357608+01	.4166666+01	.1069094+02	
19	-.2357608+01	.4166666+01	.1069094+02	
20	-.2357608+01	.4166666+01	.1069094+02	
21	-.2357608+01	.4166666+01	.1069094+02	
22	-.2357608+01	.4166666+01	.1069094+02	
23	-.2357608+01	.4166666+01	.1069094+02	
24	-.2357608+01	.4166666+01	.1069094+02	
25	-.2357608+01	.4166666+01	.1069094+02	
26	-.2357608+01	.4166666+01	.1069094+02	
27	-.2357608+01	.4166666+01	.1069094+02	
28	-.2357608+01	.4166666+01	.1069094+02	
29	-.2357608+01	.4166666+01	.1069094+02	
30	-.2357608+01	.4166666+01	.1069094+02	
31	-.2357608+01	.4166666+01	.1069094+02	
32	-.2357608+01	.4166666+01	.1069094+02	
33	-.2357608+01	.4166666+01	.1069094+02	
34	-.2357608+01	.4166666+01	.1069094+02	
35	-.2357608+01	.4166666+01	.1069094+02	
36	-.2357608+01	.4166666+01	.1069094+02	
37	-.2357608+01	.4166666+01	.1069094+02	
38	-.2357608+01	.4166666+01	.1069094+02	
39	-.2357608+01	.4166666+01	.1069094+02	
40	-.2357608+01	.4166666+01	.1069094+02	
41	-.2357608+01	.4166666+01	.1069094+02	
42	-.2357608+01	.4166666+01	.1069094+02	
43	-.2357608+01	.4166666+01	.1069094+02	
44	-.2357608+01	.4166666+01	.1069094+02	
45	-.2357608+01	.4166666+01	.1069094+02	
46	-.2357608+01	.4166666+01	.1069094+02	
47	-.2357608+01	.4166666+01	.1069094+02	
48	-.2357608+01	.4166666+01	.1069094+02	
49	-.2357608+01	.4166666+01	.1069094+02	
50	-.2357608+01	.4166666+01	.1069094+02	
51	-.2357608+01	.4166666+01	.1069094+02	
52	-.2357608+01	.4166666+01	.1069094+02	
53	-.2357608+01	.4166666+01	.1069094+02	
54	-.2357608+01	.4166666+01	.1069094+02	
55	-.2357608+01	.4166666+01	.1069094+02	
56	-.2357608+01	.4166666+01	.1069094+02	
57	-.2357608+01	.4166666+01	.1069094+02	
58	-.2357608+01	.4166666+01	.1069094+02	
59	-.2357608+01	.4166666+01	.1069094+02	
60	-.2357608+01	.4166666+01	.1069094+02	

TIME SERIES FORECASTING FOR MODEL 1

DATA - Z = OREGON #7: NONVIOLENT CRIME, OVER 18 — 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

UNIVARIATE MODEL PARAMETERS

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.16657+03
2	AUTOREGRESSIVE 1	1	.25289+00
3	AUTOREGRESSIVE 1	3	.27697+00
4	AUTOREGRESSIVE 1	4	-.92727-01
5	AUTOREGRESSIVE 1	7	.44206+00

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.1318081+03	.1792308+03	.2266535+03	
2	.1408562+03	.1897719+03	.2386875+03	
3	.1328447+03	.1818543+03	.2308639+03	
4	.1291088+03	.1800518+03	.2309949+03	
5	.1323768+03	.1833783+03	.2343798+03	
6	.1322568+03	.1832595+03	.2342621+03	
7	.1274681+03	.1786017+03	.2297352+03	
8	.1232313+03	.1786143+03	.2339972+03	
9	.1265568+03	.1829356+03	.2393149+03	
10	.1226502+03	.1792497+03	.2358491+03	
11	.1198916+03	.1779560+03	.2360205+03	
12	.1219888+03	.1802952+03	.2386015+03	
13	.1210753+03	.1794125+03	.2377497+03	
14	.1185431+03	.1771138+03	.2356844+03	
15	.1177124+03	.1773058+03	.2368993+03	
16	.1187426+03	.1788034+03	.2388642+03	
17	.1166976+03	.1769978+03	.2372980+03	
18	.1151686+03	.1762357+03	.2373027+03	
19	.1161285+03	.1774739+03	.2388193+03	
20	.1153338+03	.1767579+03	.2381820+03	
21	.1138673+03	.1755170+03	.2371667+03	
22	.1136654+03	.1757017+03	.2377380+03	
23	.1138287+03	.1760973+03	.2383660+03	
24	.1126605+03	.1751219+03	.2375833+03	
25	.1118597+03	.1747045+03	.2375493+03	
26	.1121809+03	.1752388+03	.2382968+03	
27	.1115931+03	.1747505+03	.2379080+03	
28	.1107219+03	.1740534+03	.2373846+03	
29	.1106141+03	.1741454+03	.2376767+03	
30	.1104921+03	.1741588+03	.2378254+03	
31	.1097789+03	.1735831+03	.2373874+03	
32	.1093368+03	.1733432+03	.2373496+03	
33	.1093660+03	.1735139+03	.2376617+03	
34	.1089416+03	.1731805+03	.2374194+03	
35	.1084142+03	.1727749+03	.2371356+03	
36	.1083017+03	.1727826+03	.2372634+03	
37	.1081128+03	.1726822+03	.2372517+03	
38	.1076575+03	.1723210+03	.2369844+03	
39	.1073852+03	.1721633+03	.2369413+03	
40	.1073017+03	.1721704+03	.2370390+03	
41	.1069946+03	.1719340+03	.2368734+03	
42	.1066636+03	.1716848+03	.2367059+03	
43	.1065440+03	.1716417+03	.2367394+03	
44	.1063619+03	.1715204+03	.2366789+03	
45	.1060610+03	.1712829+03	.2365047+03	
46	.1058734+03	.1711643+03	.2364551+03	
47	.1057585+03	.1711078+03	.2364570+03	
48	.1055346+03	.1709345+03	.2363344+03	
49	.1053159+03	.1707697+03	.2362235+03	
50	.1052007+03	.1707043+03	.2362079+03	
51	.1050458+03	.1705914+03	.2361369+03	
52	.1048401+03	.1704282+03	.2360163+03	
53	.1047003+03	.1703317+03	.2359632+03	
54	.1045876+03	.1702571+03	.2359267+03	
55	.1044226+03	.1701269+03	.2358313+03	
56	.1042698+03	.1700096+03	.2357493+03	
57	.1041668+03	.1699393+03	.2357117+03	
58	.1040412+03	.1698424+03	.2356437+03	
59	.1038957+03	.1697254+03	.2355551+03	
60	.1037869+03	.1696445+03	.2355021+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: NONVIOLENT CRIME, UNDER 16 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.14041*03
2	AUTOREGRESSIVE 1	5	-.29561*00
3	AUTOREGRESSIVE 1	13	.25628*00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 84 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.9208392+02	.1592683+03	.2264526+03	
2	.7883576+02	.1460201+03	.2132045+03	
3	.7469720+02	.1418815+03	.2090659+03	
4	.7160407+02	.1387884+03	.2059728+03	
5	.8494726+02	.1521316+03	.2193160+03	
6	.5672462+02	.1267830+03	.1968414+03	
7	.7934972+02	.1494081+03	.2194665+03	
8	.7057804+02	.1406364+03	.2106948+03	
9	.6482901+02	.1348874+03	.2049458+03	
10	.6037201+02	.1304304+03	.2004888+03	
11	.7120780+02	.1415116+03	.2118157+03	
12	.6964522+02	.1399492+03	.2102532+03	
13	.6378085+02	.1340848+03	.2043886+03	
14	.7449155+02	.1468733+03	.2192551+03	
15	.7241380+02	.1447956+03	.2171773+03	
16	.6805654+02	.1404591+03	.2128617+03	
17	.6772574+02	.1401283+03	.2125309+03	
18	.7287899+02	.1452815+03	.2176841+03	
19	.6188993+02	.1350046+03	.2081194+03	
20	.6830261+02	.1414173+03	.2145320+03	
21	.6733467+02	.1404512+03	.2135677+03	
22	.6595908+02	.1390756+03	.2121921+03	
23	.6329345+02	.1364100+03	.2095265+03	
24	.6903221+02	.1422879+03	.2155436+03	
25	.6673607+02	.1399913+03	.2132475+03	
26	.6551657+02	.1387744+03	.2120303+03	
27	.6906992+02	.1424586+03	.2158472+03	
28	.6932542+02	.1427141+03	.2161027+03	
29	.6645489+02	.1398651+03	.2132753+03	
30	.6704887+02	.1404591+03	.2138693+03	
31	.6872942+02	.1421397+03	.2155499+03	
32	.6490230+02	.1384168+03	.2119312+03	
33	.6647024+02	.1399847+03	.2134992+03	
34	.6706188+02	.1405793+03	.2140967+03	
35	.6653375+02	.1400512+03	.2135686+03	
36	.6535379+02	.1388712+03	.2123886+03	
37	.6792436+02	.1414782+03	.2150320+03	
38	.6687239+02	.1404262+03	.2139800+03	
39	.6638427+02	.1399385+03	.2134926+03	
40	.6747588+02	.1410386+03	.2146016+03	
41	.6789017+02	.1414531+03	.2150159+03	
42	.6638054+02	.1399523+03	.2135240+03	
43	.6684375+02	.1404155+03	.2139872+03	
44	.6741859+02	.1409903+03	.2145621+03	
45	.6612706+02	.1397110+03	.2132949+03	
46	.6640643+02	.1399903+03	.2135742+03	
47	.6700073+02	.1405864+03	.2141720+03	
48	.6672645+02	.1403141+03	.2138997+03	
49	.6625609+02	.1398417+03	.2134274+03	
50	.6729578+02	.1408881+03	.2144804+03	
51	.6694360+02	.1405359+03	.2141282+03	
52	.6664210+02	.1402347+03	.2138273+03	
53	.6700401+02	.1405972+03	.2141903+03	
54	.6724982+02	.1408430+03	.2144361+03	
55	.6655356+02	.1401490+03	.2137445+03	
56	.6677638+02	.1403719+03	.2139673+03	
57	.6701271+02	.1406082+03	.2142037+03	
58	.6657642+02	.1401732+03	.2137700+03	
59	.6657536+02	.1401721+03	.2137689+03	
60	.6693263+02	.1405300+03	.2141274+03	

TIME SERIES FORECASTING FOR MODEL 1

****

DATA - Z = OREGON #7: NONVIOLENT CRIME, NONWHITE 84 OBSERVATIONS

DIFFERENCING ON Z - NONE

TRANSFORMATIONS EXAMINED - NONE

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UNIVARIATE MODEL PARAMETERS

****

PARAMETER NUMBER	PARAMETER TYPE	PARAMETER ORDER	BEGINNING VALUE
1	MEAN		.19868+02
2	AUTOREGRESSIVE 1	1	.50220+00

****

NUMBER OF TIME ORIGINS FOR FORECASTS = 1

NUMBER OF FORECASTS AT EACH TIME ORIGIN = 60

FORECAST TIME ORIGINS ARE T= 84

BACKFORECASTING WAS SUPPRESSED IN THIS ANALYSIS

208.

REGULAR FORECAST RESULTS IN TERMS OF THE ORIGINAL DATA
****

MODEL 1 FORECASTS AT BASE PERIOD 89 WITH 95 PER CENT CONFIDENCE LIMITS

PERIODS AHEAD	LO. CONF. LIMIT	FORECAST	UP. CONF. LIMIT	ACTUAL, IF KNOWN
1	.6485758+01	.2344986+02	.4041396+02	
2	.2683795+01	.2166697+02	.4065014+02	
3	.1312253+01	.2077160+02	.4023094+02	
4	.7443321+00	.2032194+02	.3989955+02	
5	.4887991+00	.2009612+02	.3970345+02	
6	.3679056+00	.1998272+02	.3959753+02	
7	.3090651+00	.1992576+02	.3954246+02	
8	.2799873+00	.1989716+02	.3951434+02	
9	.2655032+00	.1988280+02	.3950009+02	
10	.2582593+00	.1987558+02	.3949291+02	
11	.2546294+00	.1987196+02	.3948929+02	
12	.2528081+00	.1987014+02	.3948748+02	
13	.2518940+00	.1986923+02	.3948656+02	
14	.2514348+00	.1986877+02	.3948610+02	
15	.2512045+00	.1986854+02	.3948587+02	
16	.2510886+00	.1986842+02	.3948576+02	
17	.2510304+00	.1986837+02	.3948570+02	
18	.2510014+00	.1986834+02	.3948567+02	
19	.2509868+00	.1986832+02	.3948566+02	
20	.2509794+00	.1986831+02	.3948565+02	
21	.2509756+00	.1986831+02	.3948565+02	
22	.2509737+00	.1986831+02	.3948564+02	
23	.2509727+00	.1986831+02	.3948564+02	
24	.2509723+00	.1986831+02	.3948564+02	
25	.2509720+00	.1986831+02	.3948564+02	
26	.2509720+00	.1986831+02	.3948564+02	
27	.2509720+00	.1986831+02	.3948564+02	
28	.2509720+00	.1986831+02	.3948564+02	
29	.2509720+00	.1986831+02	.3948564+02	
30	.2509720+00	.1986831+02	.3948564+02	
31	.2509720+00	.1986831+02	.3948564+02	
32	.2509720+00	.1986831+02	.3948564+02	
33	.2509720+00	.1986831+02	.3948564+02	
34	.2509720+00	.1986831+02	.3948564+02	
35	.2509720+00	.1986831+02	.3948564+02	
36	.2509720+00	.1986831+02	.3948564+02	
37	.2509720+00	.1986831+02	.3948564+02	
38	.2509720+00	.1986831+02	.3948564+02	
39	.2509720+00	.1986831+02	.3948564+02	
40	.2509720+00	.1986831+02	.3948564+02	
41	.2509720+00	.1986831+02	.3948564+02	
42	.2509720+00	.1986831+02	.3948564+02	
43	.2509720+00	.1986831+02	.3948564+02	
44	.2509720+00	.1986831+02	.3948564+02	
45	.2509720+00	.1986831+02	.3948564+02	
46	.2509720+00	.1986831+02	.3948564+02	
47	.2509720+00	.1986831+02	.3948564+02	
48	.2509720+00	.1986831+02	.3948564+02	
49	.2509720+00	.1986831+02	.3948564+02	
50	.2509720+00	.1986831+02	.3948564+02	
51	.2509720+00	.1986831+02	.3948564+02	
52	.2509720+00	.1986831+02	.3948564+02	
53	.2509720+00	.1986831+02	.3948564+02	
54	.2509720+00	.1986831+02	.3948564+02	
55	.2509720+00	.1986831+02	.3948564+02	
56	.2509720+00	.1986831+02	.3948564+02	
57	.2509720+00	.1986831+02	.3948564+02	
58	.2509720+00	.1986831+02	.3948564+02	
59	.2509720+00	.1986831+02	.3948564+02	
60	.2509720+00	.1986831+02	.3948564+02	

END