Name of Variable = pollution	
Mean of Working Series	94.20369
Standard Deviation	27.42528
Number of Observations	60

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	17.55	6	0.0075	0.127	-0.028	-0.041	-0.061	-0.214	-0.435
12	26.25	12	0.0099	-0.151	0.049	-0.026	-0.113	0.110	0.254

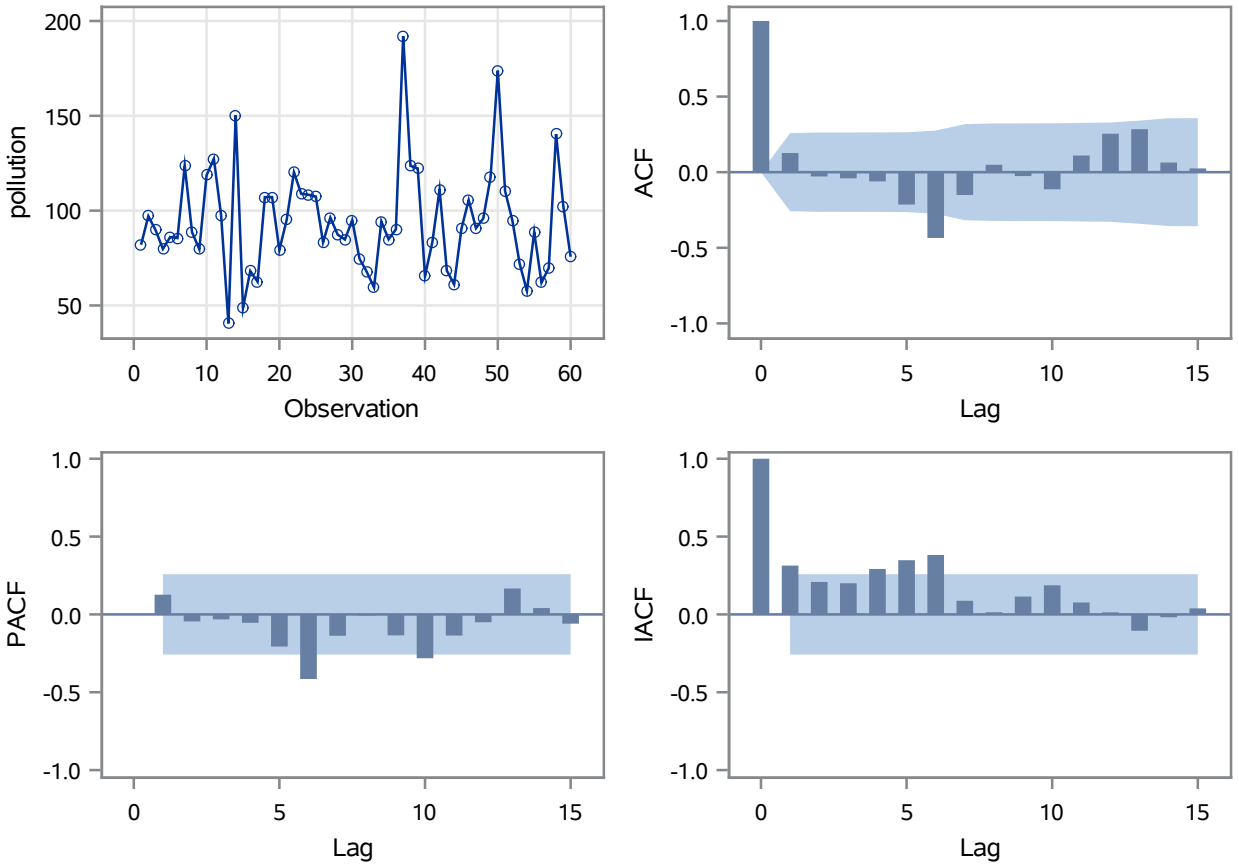
Correlation of pollution and press	
Variance of input =	77.15933
Number of Observations	60

Correlation of pollution and wnd_spd	
Variance of input =	246.3649
Number of Observations	60

Correlation of pollution and snow	
Variance of input =	14.37682
Number of Observations	60

Correlation of pollution and rain	
Variance of input =	51.65104
Number of Observations	60

Trend and Correlation Analysis for pollution



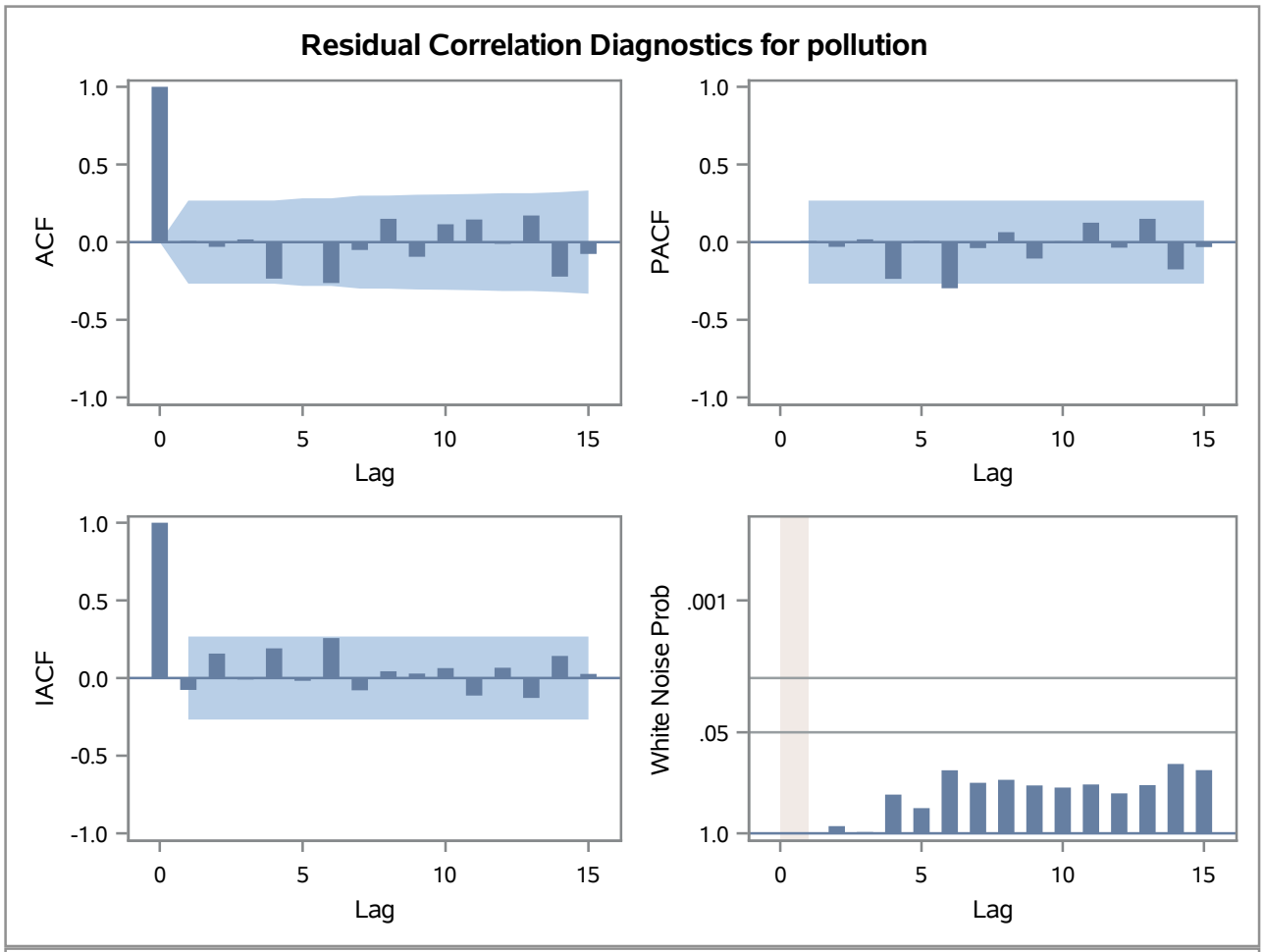
Cross Correlation Analysis for pollution
with Two Standard Error Limits

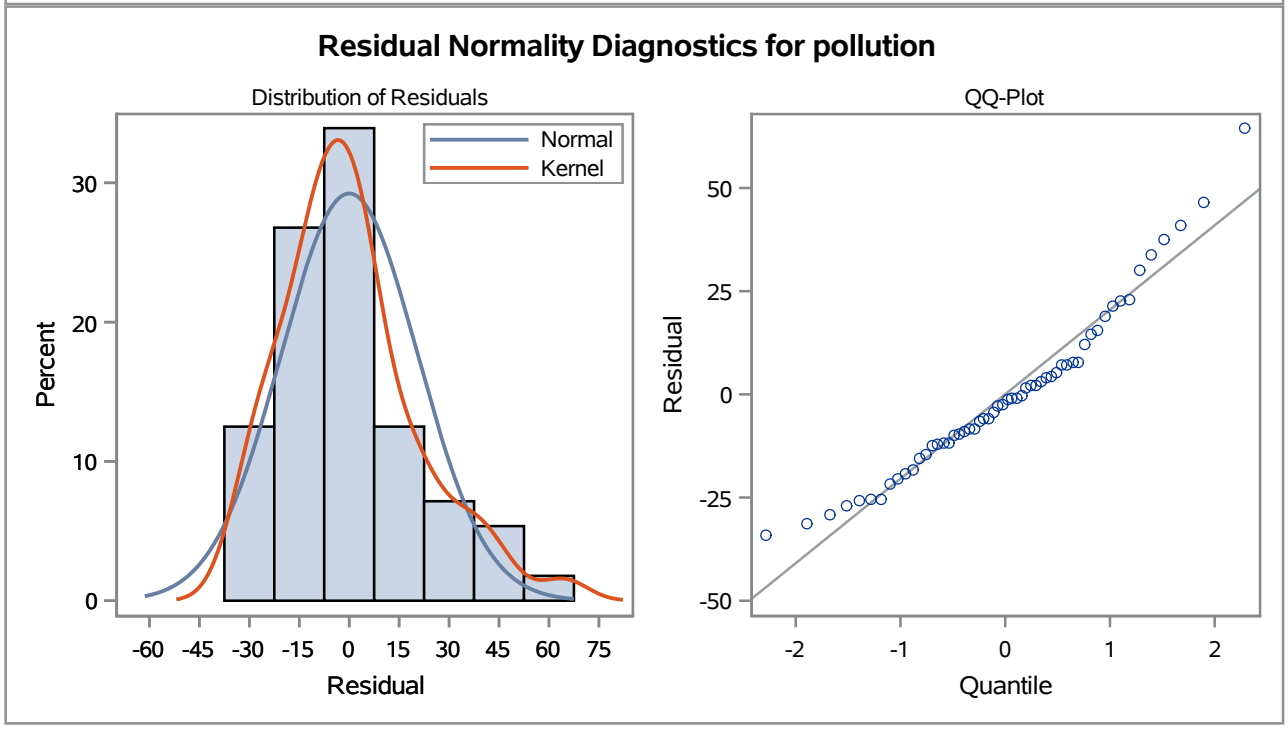
Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	-1645.3	481.39163	-3.42	0.0006	0	pollution	0
AR1,1	0.14821	0.14410	1.03	0.3037	1	pollution	0
NUM1	1.73054	0.47704	3.63	0.0003	0	press	1
NUM2	-0.95884	0.24272	-3.95	<.0001	0	wnd_spd	0
NUM3	2.13257	1.01175	2.11	0.0350	0	snow	0
NUM4	0.24141	0.46105	0.52	0.6006	0	rain	4

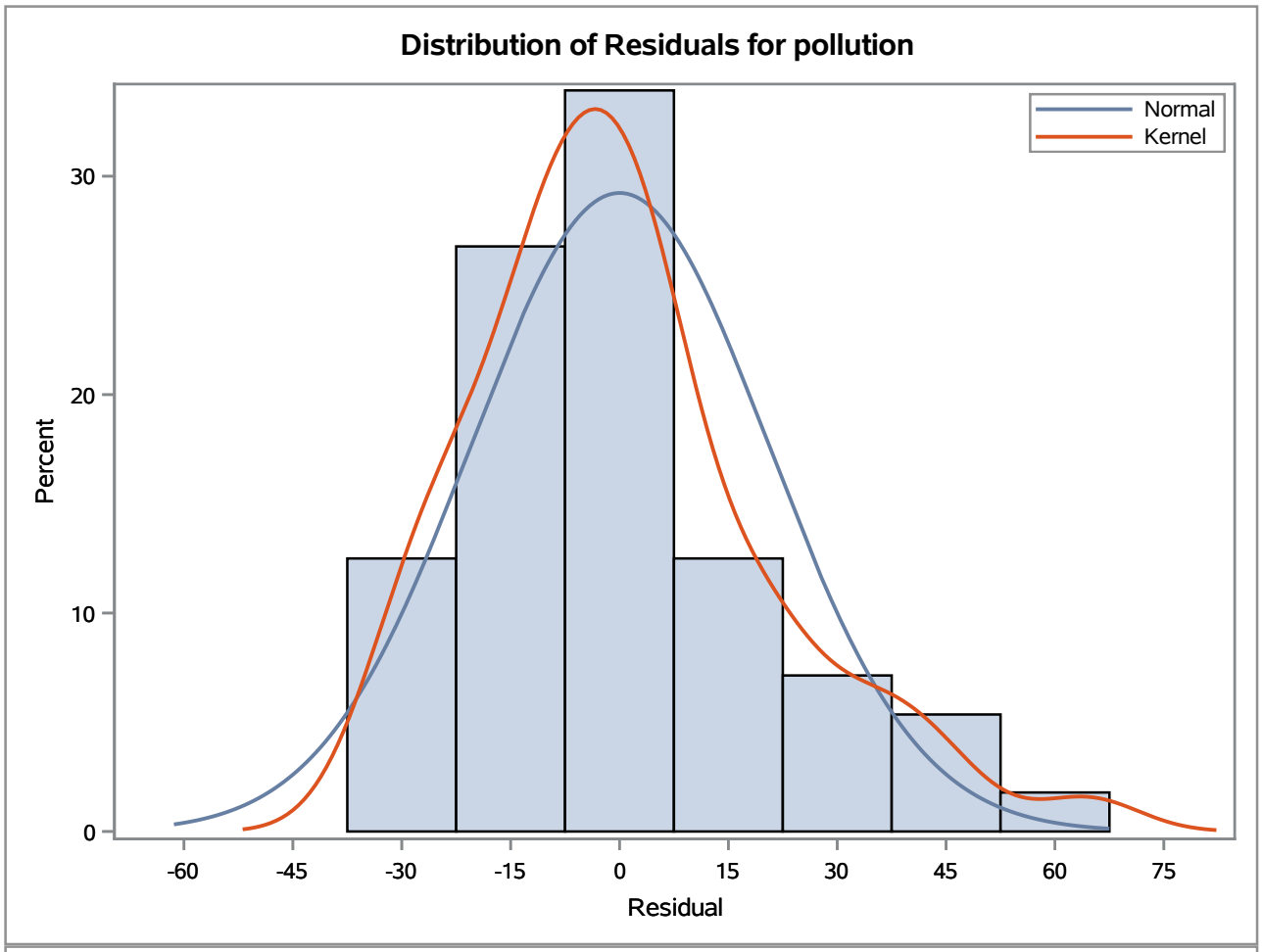
Constant Estimate	-1401.41
Variance Estimate	460.9004
Std Error Estimate	21.46859
AIC	508.0551
SBC	520.2072
Number of Residuals	56

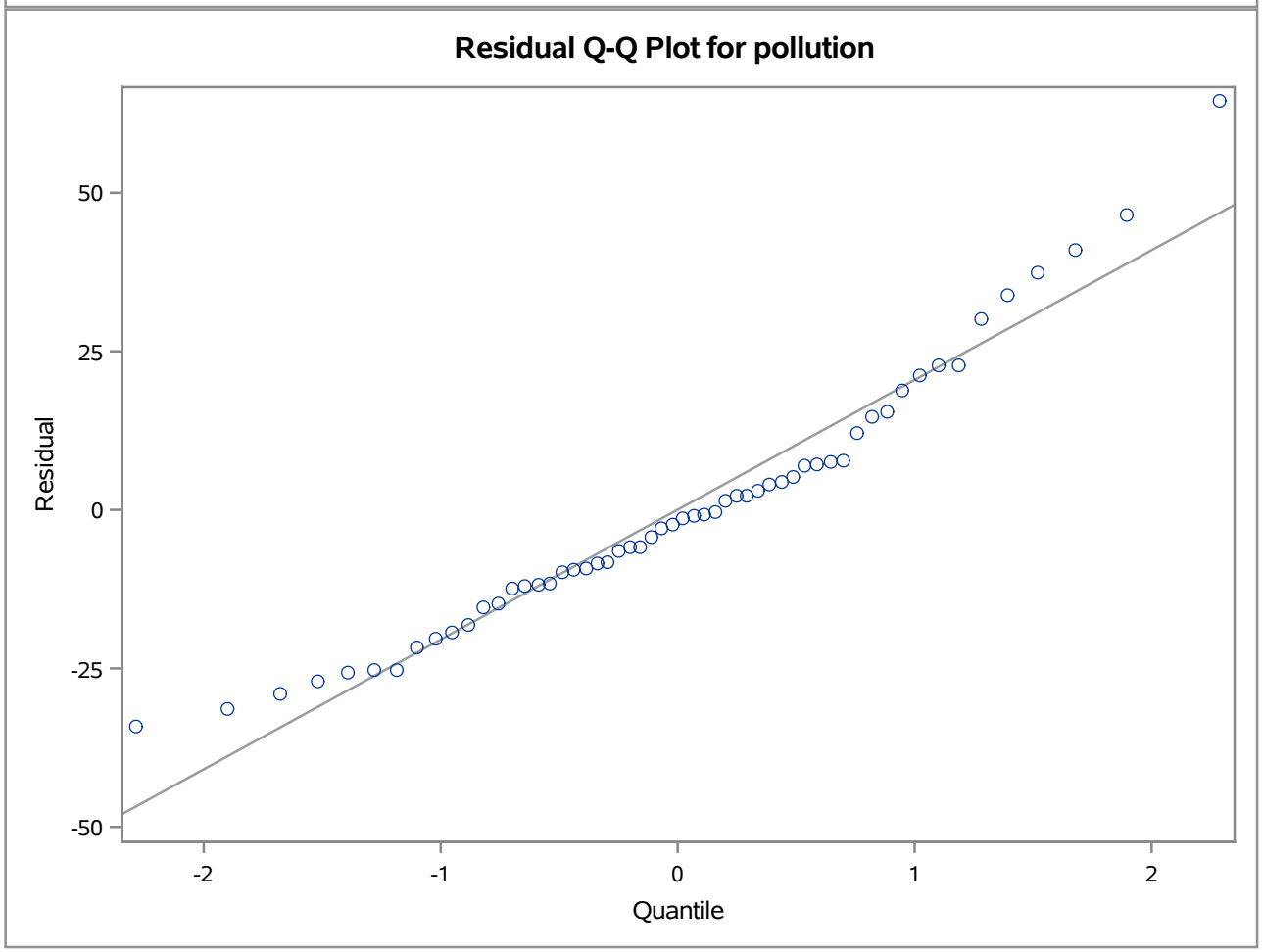
Correlations of Parameter Estimates							
Variable Parameter		pollution MU	pollution AR1,1	press NUM1	wnd_spd NUM2	snow NUM3	rain NUM4
pollution	MU	1.000	-0.005	-1.000	0.443	0.520	0.025
pollution	AR1,1	-0.005	1.000	0.007	-0.058	0.029	-0.185
press	NUM1	-1.000	0.007	1.000	-0.451	-0.522	-0.026
wnd_spd	NUM2	0.443	-0.058	-0.451	1.000	0.329	-0.341
snow	NUM3	0.520	0.029	-0.522	0.329	1.000	-0.092
rain	NUM4	0.025	-0.185	-0.026	-0.341	-0.092	1.000

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	8.04	5	0.1540	0.007	-0.031	0.017	-0.235	0.001	-0.264
12	12.82	11	0.3055	-0.051	0.150	-0.094	0.115	0.146	-0.011
18	23.03	17	0.1483	0.171	-0.222	-0.076	0.051	-0.154	0.134
24	31.11	23	0.1201	-0.063	-0.020	0.040	-0.266	0.086	-0.023


Residual Correlation Diagnostics for pollution
ACF
PACF
IACF
White Noise Prob
Lag
1.0
0.5
0.0
-0.5
-1.0
0
5
10
15
.001
.05
1.0


Residual Normality Diagnostics for pollution
Distribution of Residuals
Normal
Kernel
Percent
Residual
30
20
10
0
-60
-45
-30
-15
0
15
30
45
60
75
QQ-Plot
Residual
Quantile
50
25
0
-25
-50
-2
-1
0
1
2


Distribution of Residuals for pollution
Normal
Kernel
Percent
30
20
10
0
-60
-45
-30
-15
0
15
30
45
60
75
Residual


Residual Q-Q Plot for pollution
Residual
50
25
0
-25
-50
-2
-1
0
1
2
Quantile

Model for variable pollution	
Estimated Intercept	-1645.26

Autoregressive Factors	
Factor 1:	1 - 0.14821 B**(1)

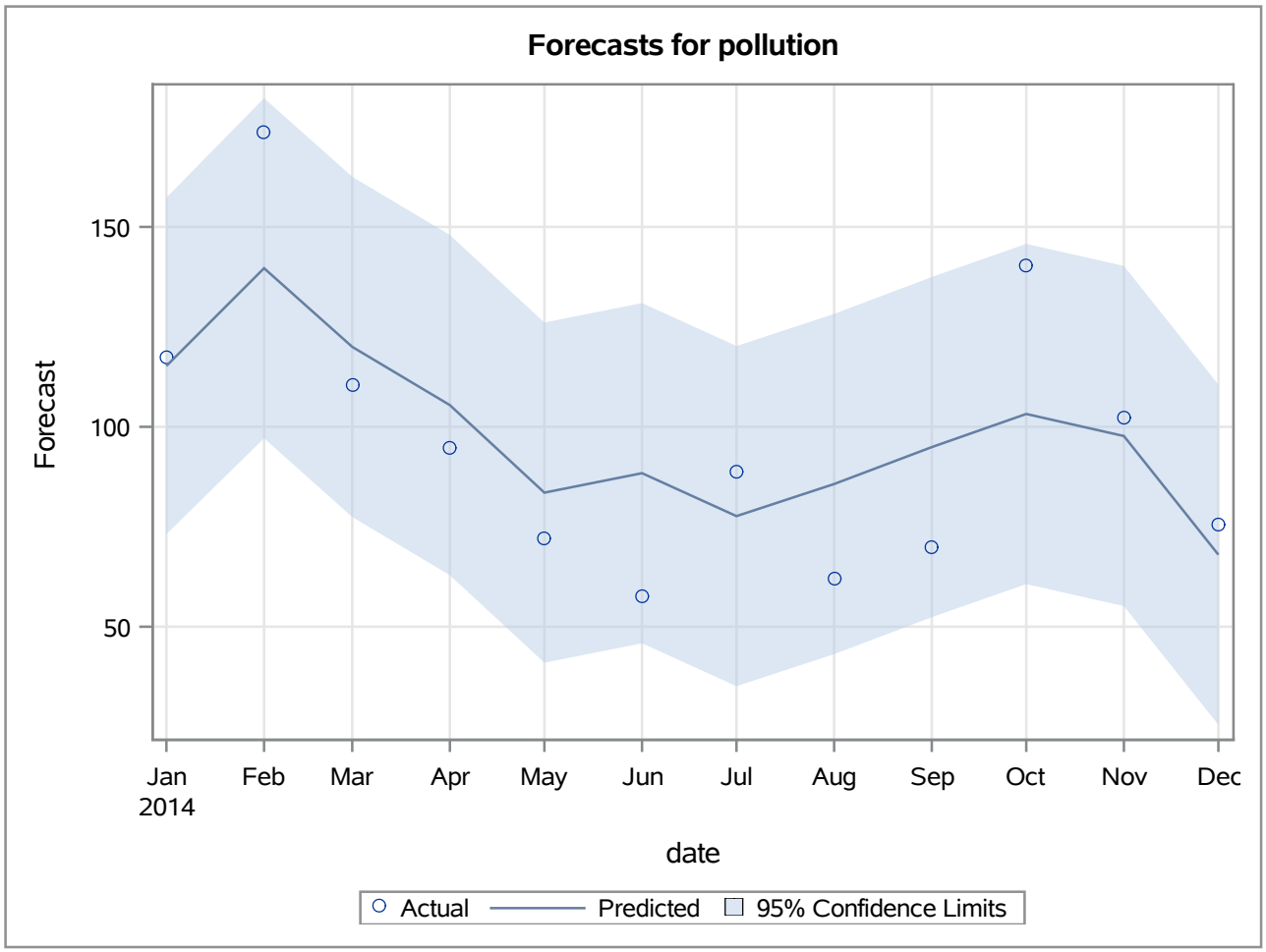
Input Number 1	
Input Variable	press
Shift	1
Overall Regression Factor	1.730544

Input Number 2	
Input Variable	wnd_spd
Overall Regression Factor	-0.95884

Input Number 3	
Input Variable	snow
Overall Regression Factor	2.132569

Input Number 4	
Input Variable	rain
Shift	4
Overall Regression Factor	0.241407

Forecasts for variable pollution						
Obs	**Forecast**	**Std Error**	**95% Confidence Limits**		**Actual**	**Residual**
49	115.2355	21.4686	73.1578	157.3131	117.4422	2.2067
50	139.6671	21.7031	97.1298	182.2044	173.8378	34.1707
51	119.9957	21.7082	77.4483	162.5430	110.3374	-9.6583
52	105.4229	21.7084	62.8753	147.9705	94.8361	-10.5868
53	83.5389	21.7084	40.9913	126.0865	72.0605	-11.4785
54	88.4042	21.7084	45.8566	130.9518	57.6875	-30.7167
55	77.6670	21.7084	35.1194	120.2145	88.6142	10.9473
56	85.6911	21.7084	43.1435	128.2387	62.0121	-23.6790
57	94.9280	21.7084	52.3804	137.4756	69.8056	-25.1225
58	103.2111	21.7084	60.6635	145.7587	140.3669	37.1558
59	97.6989	21.7084	55.1514	140.2465	102.3486	4.6497
60	68.0168	21.7084	25.4692	110.5643	75.6882	7.6714



Outlier Detection Summary	
Maximum number searched	2
Number found	2
Significance used	0.05

Outlier Details

Obs	Type	Estimate	Chi-Square	Approx Prob>ChiSq
37	Additive	65.34887	13.63	0.0002
11	Additive	42.68977	6.17	0.0130