Name of Variable = pollution				
Period(s) of Differencing	12			
Mean of Working Series	0.197637			
Standard Deviation	32.5308			
Number of Observations	48			
Observation(s) eliminated by differencing	12			

	Autocorrelation Check for White Noise								
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	4.46	6	0.6141	-0.224	0.032	-0.049	-0.094	-0.014	-0.147
12	9.10	12	0.6947	-0.003	0.021	-0.005	0.006	0.001	-0.263

Variable press has been differenced.

Correlation of pollution and press				
Period(s) of Differencing	12			
Variance of input =	7.620022			
Number of Observations	48			
Observation(s) eliminated by differencing	12			

Variable wnd_spd has been differenced.

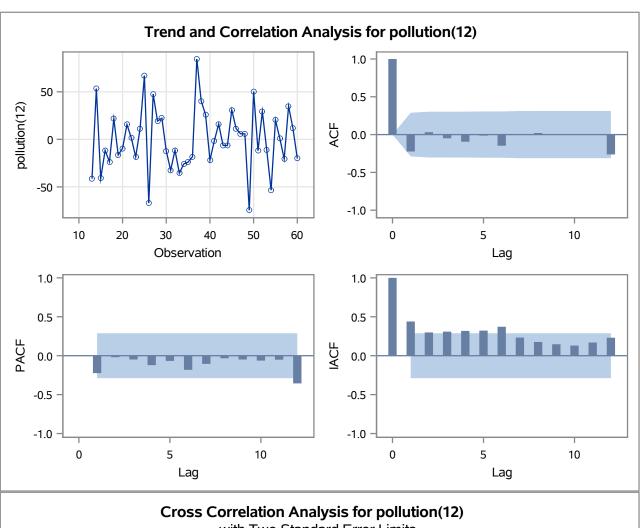
Correlation of pollution and wnd_spd				
Period(s) of Differencing	12			
Variance of input =	273.9999			
Number of Observations	48			
Observation(s) eliminated by differencing	12			

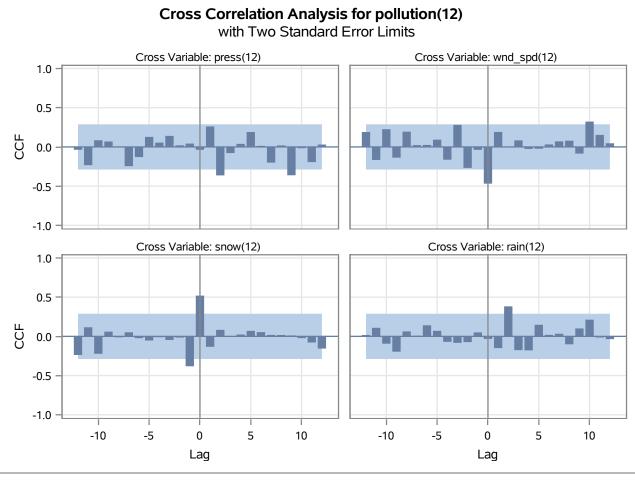
Variable snow has been differenced.

Correlation of pollution and snow				
Period(s) of Differencing	12			
Variance of input =	24.27074			
Number of Observations	48			
Observation(s) eliminated by differencing	12			

Variable rain has been differenced.

Correlation of pollution and rain				
Period(s) of Differencing	12			
Variance of input =	57.489			
Number of Observations	48			
Observation(s) eliminated by differencing	12			



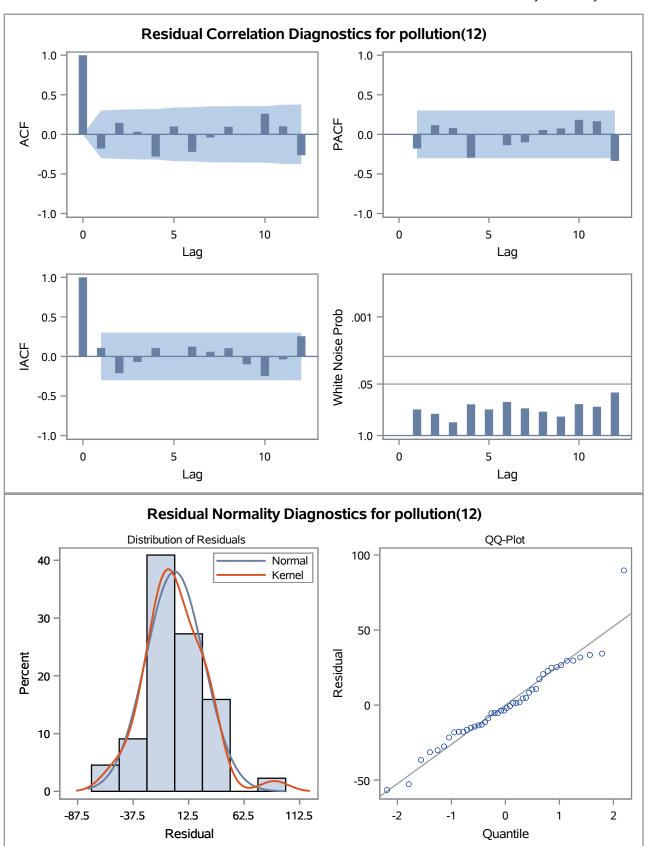


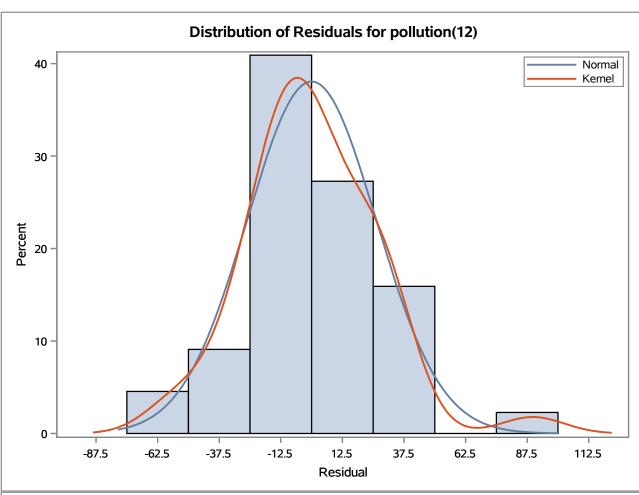
Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag	Variable	Shift
MU	-1.55642	4.30452	-0.36	0.7177	0	pollution	0
NUM1	-0.14925	1.67951	-0.09	0.9292	0	press	1
NUM2	-0.74770	0.31261	-2.39	0.0168	0	wnd_spd	0
NUM3	2.59254	1.06170	2.44	0.0146	0	snow	0
NUM4	-0.49080	0.56618	-0.87	0.3860	0	rain	4

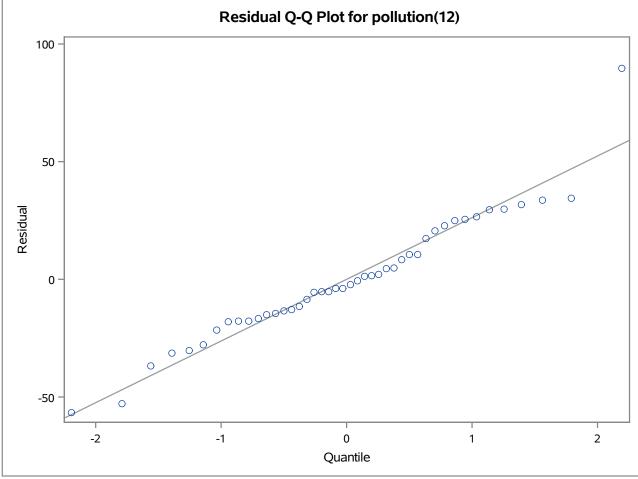
Constant Estimate	-1.55642
Variance Estimate	757.2657
Std Error Estimate	27.51846
AIC	421.2664
SBC	430.1873
Number of Residuals	44

Correlations of Parameter Estimates								
Variable Parameter	pollution MU	press NUM1			rain NUM4			
pollution MU	1.000	0.135	0.198	0.039	0.135			
press NUM1	0.135	1.000	0.351	-0.118	0.191			
wnd_spd NUM2	0.198	0.351	1.000	0.229	-0.194			
snow NUM3	0.039	-0.118	0.229	1.000	-0.151			
rain NUM4	0.135	0.191	-0.194	-0.151	1.000			

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	9.63	6	0.1411	-0.179	0.145	0.032	-0.280	0.098	-0.221
12	19.30	12	0.0816	-0.038	0.096	-0.009	0.261	0.101	-0.264
18	26.71	18	0.0846	0.126	-0.206	-0.112	-0.011	-0.169	0.081
24	34.01	24	0.0844	0.010	0.012	0.156	-0.212	0.098	-0.026







Model for variable pollution					
Estimated Intercept	-1.55642				
Period(s) of Differencing	12				

Input Number 1					
Input Variable	press				
Shift	1				
Period(s) of Differencing	12				
Overall Regression Factor	-0.14925				

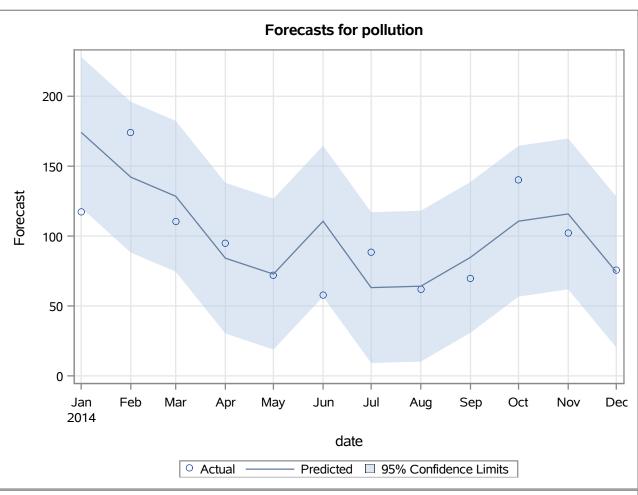
Input Number 2			
Input Variable	wnd_spd		
Period(s) of Differencing	12		
Overall Regression Factor	-0.7477		

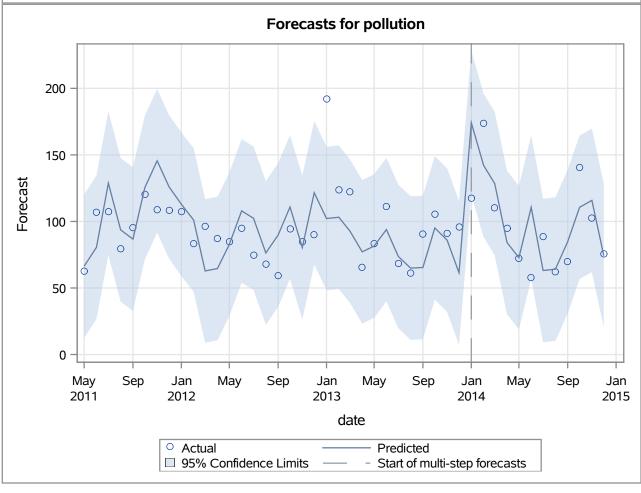
Input Number 3			
Input Variable	snow		
Period(s) of Differencing	12		
Overall Regression Factor	2.592544		

Input Number 4			
Input Variable	rain		
Shift	4		
Period(s) of Differencing	12		
Overall Regression Factor	-0.4908		

Forecasts for variable pollution						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
17	66.3879	27.5185	12.4527	120.3231	62.5121	-3.8758
18	80.5261	27.5185	26.5909	134.4613	107.1111	26.5850
19	128.7697	27.5185	74.8345	182.7049	107.1384	-21.6312
20	93.6574	27.5185	39.7222	147.5926	79.2366	-14.4209
21	86.7182	27.5185	32.7830	140.6534	95.1403	8.4221
22	125.5110	27.5185	71.5758	179.4462	120.2406	-5.2704
23	145.5798	27.5185	91.6446	199.5150	108.8708	-36.7089
24	126.0168	27.5185	72.0816	179.9520	108.3737	-17.6432
25	112.9215	27.5185	58.9864	166.8567	107.4435	-5.4780
26	101.0374	27.5185	47.1022	154.9726	83.2730	-17.7644

Forecasts for variable pollution						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
27	62.7869	27.5185	8.8517	116.7221	96.3360	33.5491
28	64.6127	27.5185	10.6775	118.5479	87.3972	22.7845
29	82.7651	27.5185	28.8299	136.7002	84.7782	2.0132
30	107.9221	27.5185	53.9869	161.8573	94.9861	-12.9360
31	102.3649	27.5185	48.4297	156.3001	74.6707	-27.6942
32	76.3075	27.5185	22.3723	130.2427	67.7137	-8.5938
33	89.7789	27.5185	35.8437	143.7141	59.5014	-30.2775
34	110.8656	27.5185	56.9304	164.8007	94.3293	-16.5363
35	80.3943	27.5185	26.4591	134.3295	84.8806	4.4863
36	121.5453	27.5185	67.6101	175.4805	90.1169	-31.4284
37	102.1867	27.5185	48.2515	156.1219	191.9745	89.7878
38	103.1651	27.5185	49.2299	157.1003	123.6176	20.4524
39	92.7690	27.5185	38.8338	146.7042	122.2379	29.4689
40	77.1569	27.5185	23.2217	131.0921	65.6542	-11.5027
41	81.5282	27.5185	27.5930	135.4634	83.1801	1.6519
42	93.9103	27.5185	39.9751	147.8455	111.1069	17.1967
43	73.6991	27.5185	19.7639	127.6343	68.3347	-5.3645
44	64.9224	27.5185	10.9872	118.8576	61.1586	-3.7638
45	65.4023	27.5185	11.4671	119.3375	90.3694	24.9671
46	95.1071	27.5185	41.1720	149.0423	105.5901	10.4829
47	85.9830	27.5185	32.0478	139.9182	90.7931	4.8100
48	61.4387	27.5185	7.5036	115.3739	95.8629	34.4242
49	174.1722	27.5185	120.2370	228.1074	117.4422	-56.7300
50	142.1345	27.5185	88.1993	196.0697	173.8378	31.7033
51	128.4794	27.5185	74.5442	182.4146	110.3374	-18.1420
52	84.1852	27.5185	30.2500	138.1204	94.8361	10.6509
53	72.7872	27.5185	18.8520	126.7224	72.0605	-0.7267
54	110.6142	27.5185	56.6791	164.5494	57.6875	-52.9267
55	63.1282	27.5185	9.1930	117.0634	88.6142	25.4861
56	64.1433	27.5185	10.2081	118.0784	62.0121	-2.1312
57	84.7878	27.5185	30.8526	138.7230	69.8056	-14.9823
58	110.6381	27.5185	56.7029	164.5732	140.3669	29.7289
59	115.8394	27.5185	61.9042	169.7746	102.3486	-13.4908
60	74.3200	27.5185	20.3848	128.2552	75.6882	1.3682





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

Outlier Details					
Obs	Туре	Estimate	Chi-Square	Approx Prob>ChiSq	
37	Additive	73.25891	16.35	<.0001	
54	Additive	-52.92675	4.62	0.0316	