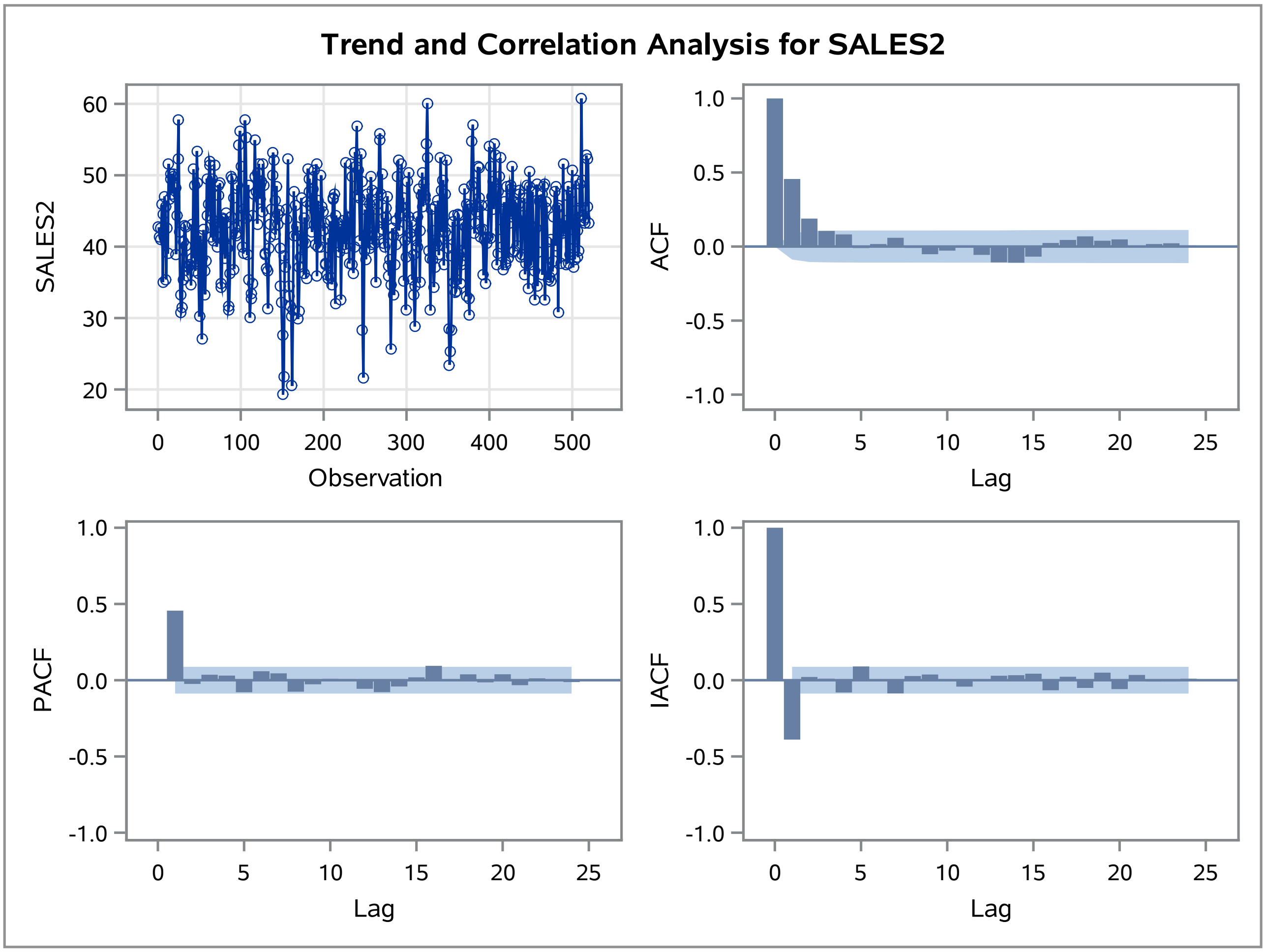
Name of Variable = SALES2	
Mean of Working Series	42.5983
Standard Deviation	6.492443
Number of Observations	520

Autocorrelation Check for White Noise									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	137.06	6	<.0001	0.456	0.189	0.105	0.082	-0.010	0.017
12	142.50	12	<.0001	0.059	-0.009	-0.052	-0.028	-0.005	-0.056
18	161.50	18	<.0001	-0.107	-0.109	-0.068	0.024	0.045	0.069
24	164.07	24	<.0001	0.039	0.048	0.006	0.017	0.022	0.008



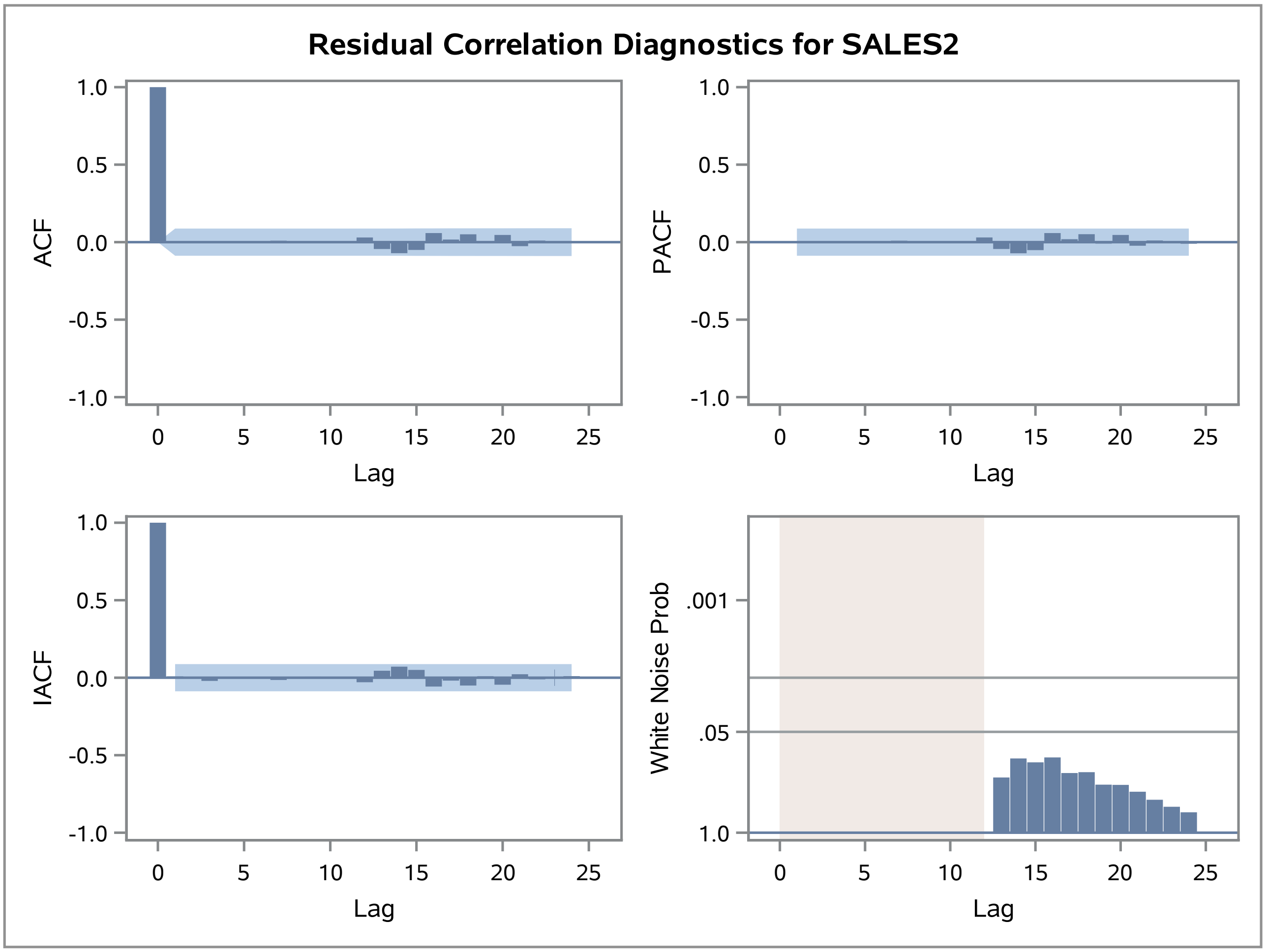
Maximum Likelihood Estimation					
Parameter	**Estimate**	**Standard Error**	**t Value**	**Approx Pr > |t|**	**Lag**
MU	42.58996	0.43666	97.54	<.0001	0
AR1,1	0.47253	0.04433	10.66	<.0001	1
AR1,2	-0.03086	0.04918	-0.63	0.5303	2
AR1,3	0.0049698	0.04927	0.10	0.9197	3

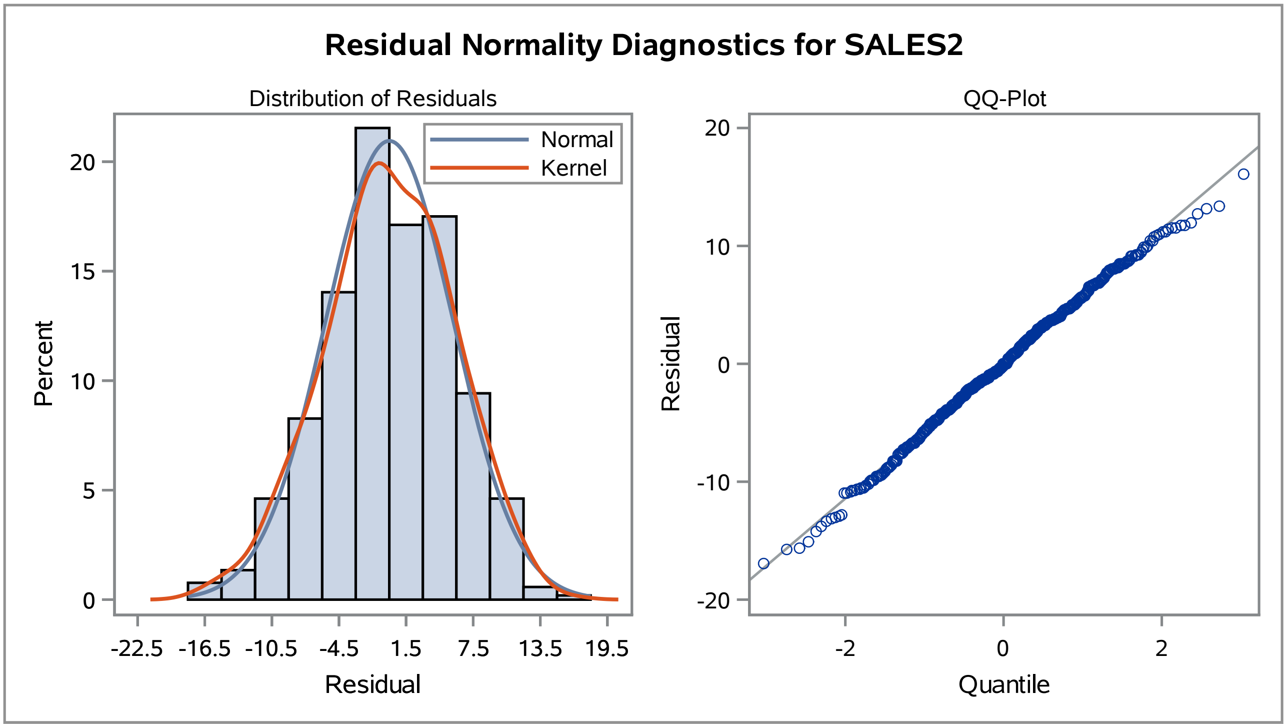
Maximum Likelihood Estimation					
Parameter	**Estimate**	**Standard Error**	**t Value**	**Approx Pr > |t|**	**Lag**
AR1,4	0.06631	0.04943	1.34	0.1797	4
AR1,5	-0.09588	0.04941	-1.94	0.0523	5
AR1,6	0.03642	0.04950	0.74	0.4618	6
AR1,7	0.07320	0.04949	1.48	0.1392	7
AR1,8	-0.05884	0.04940	-1.19	0.2336	8
AR1,9	-0.02964	0.04938	-0.60	0.5483	9
AR1,10	0.0031971	0.04981	0.06	0.9488	10
AR1,11	0.03493	0.04987	0.70	0.4836	11
AR1,12	-0.05689	0.04503	-1.26	0.2065	12

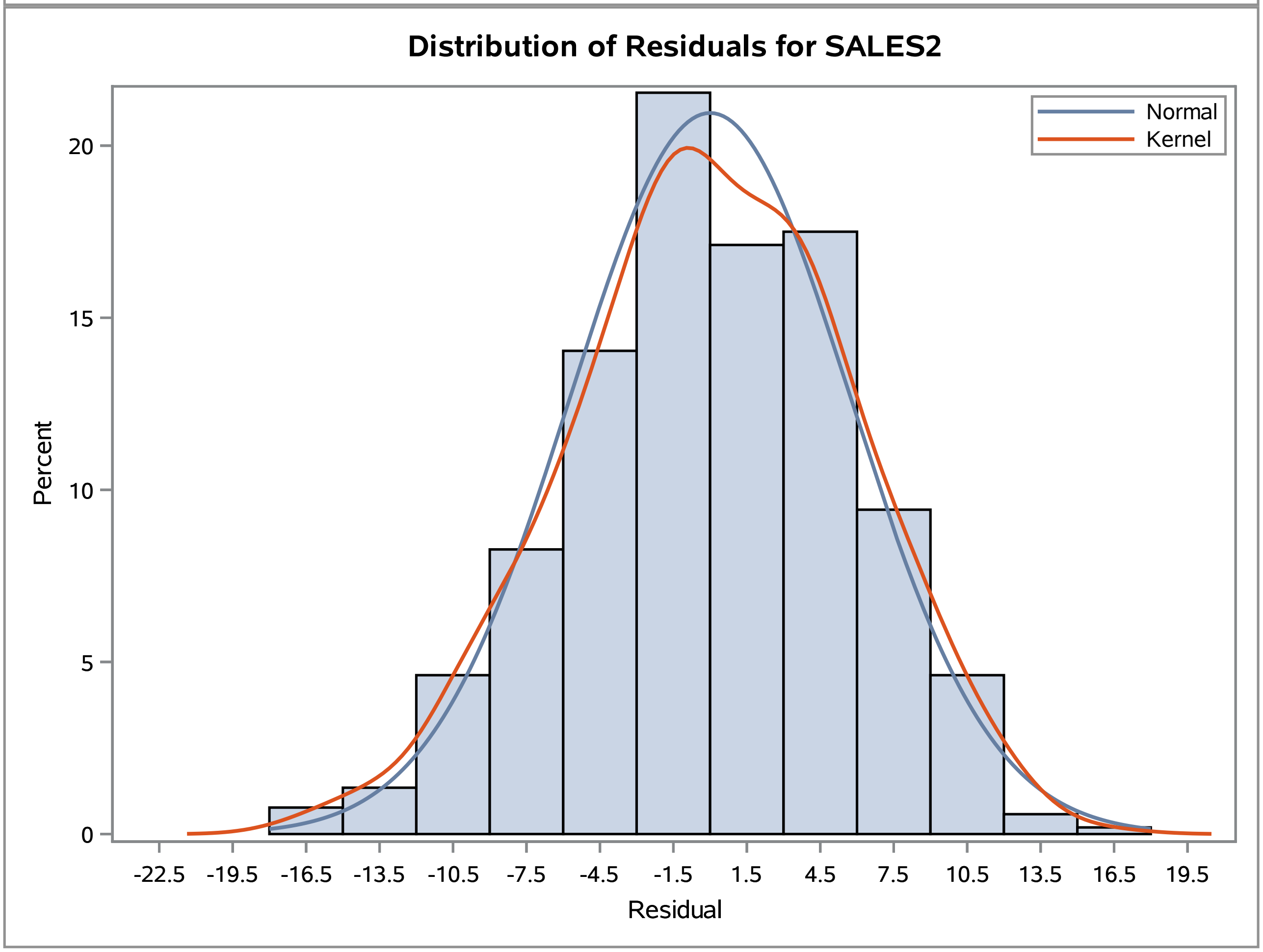
Constant Estimate	24.72564
Variance Estimate	33.40843
Std Error Estimate	5.780002
AIC	3313.51
SBC	3368.809
Number of Residuals	520

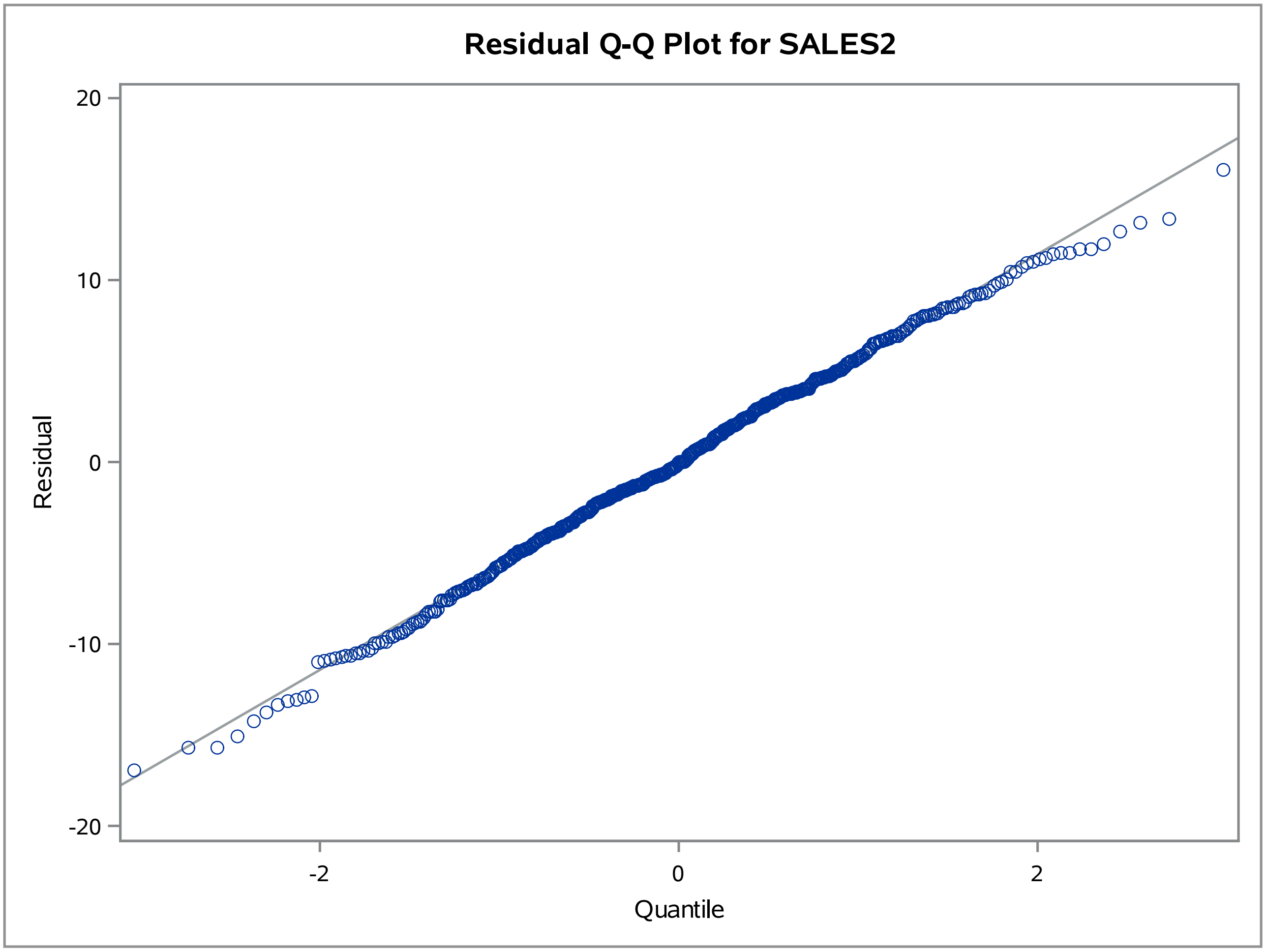
Correlations of Parameter Estimates													
Parameter	**MU**	**AR1,1**	**AR1,2**	**AR1,3**	**AR1,4**	**AR1,5**	**AR1,6**	**AR1,7**	**AR1,8**	**AR1,9**	**AR1,10**	**AR1,11**	**AR1,12**
MU	1.000	-0.002	0.002	-0.000	0.003	0.002	0.001	0.003	0.001	0.001	0.007	0.004	0.012
AR1,1	-0.002	1.000	-0.428	0.029	-0.007	-0.063	0.091	-0.032	-0.071	0.057	0.024	-0.003	-0.009
AR1,2	0.002	-0.428	1.000	-0.401	0.035	0.019	-0.097	0.097	0.001	-0.090	0.050	0.019	-0.000
AR1,3	-0.000	0.029	-0.401	1.000	-0.404	0.034	0.023	-0.100	0.096	0.004	-0.095	0.052	0.019
AR1,4	0.003	-0.007	0.035	-0.404	1.000	-0.405	0.033	0.025	-0.101	0.095	0.014	-0.101	0.071
AR1,5	0.002	-0.063	0.019	0.034	-0.405	1.000	-0.405	0.037	0.023	-0.101	0.091	0.013	-0.078
AR1,6	0.001	0.091	-0.097	0.023	0.033	-0.405	1.000	-0.409	0.038	0.023	-0.100	0.095	-0.025
AR1,7	0.003	-0.032	0.097	-0.100	0.025	0.037	-0.409	1.000	-0.405	0.034	0.024	-0.100	0.094
AR1,8	0.001	-0.071	0.001	0.096	-0.101	0.023	0.038	-0.405	1.000	-0.404	0.031	0.022	-0.066
AR1,9	0.001	0.057	-0.090	0.004	0.095	-0.101	0.023	0.034	-0.404	1.000	-0.401	0.034	-0.008
AR1,10	0.007	0.024	0.050	-0.095	0.014	0.091	-0.100	0.024	0.031	-0.401	1.000	-0.405	0.039
AR1,11	0.004	-0.003	0.019	0.052	-0.101	0.013	0.095	-0.100	0.022	0.034	-0.405	1.000	-0.432
AR1,12	0.012	-0.009	-0.000	0.019	0.071	-0.078	-0.025	0.094	-0.066	-0.008	0.039	-0.432	1.000

Autocorrelation Check of Residuals									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	.	0	.	-0.004	-0.001	0.002	0.004	-0.008	0.002
12	.	0	.	0.009	0.005	-0.007	0.003	0.004	0.030
18	9.14	6	0.1656	-0.044	-0.071	-0.050	0.059	0.017	0.051
24	10.81	12	0.5455	-0.008	0.046	-0.026	0.010	0.002	-0.008
30	17.14	18	0.5132	0.017	-0.042	0.056	-0.067	-0.020	0.038
36	21.05	24	0.6360	-0.049	-0.027	-0.028	-0.046	-0.022	-0.022
42	29.52	30	0.4906	-0.071	0.071	-0.036	-0.039	-0.045	-0.012
48	36.13	36	0.4625	0.026	0.003	0.014	-0.097	0.001	0.035




Residual Normality Diagnostics for SALES2
Distribution of Residuals
Normal
Kernel
Percent
0
5
10
15
20
-22.5 -16.5 -10.5 -4.5 1.5 7.5 13.5 19.5
Residual
QQ-Plot
Residual
20
10
0
-10
-20
-2
0
2
Quantile


Distribution of Residuals for SALES2
Normal
Kernel
Percent
0
5
10
15
20
-22.5 -19.5 -16.5 -13.5 -10.5 -7.5 -4.5 -1.5 1.5 4.5 7.5 10.5 13.5 16.5 19.5
Residual



Model for variable SALES2	
Estimated Mean	42.58996

Autoregressive Factors	
Factor 1:	1 - 0.47253 B**(1) + 0.03086 B**(2) - 0.00497 B**(3) - 0.06631 B**(4) + 0.09588 B**(5) - 0.03642 B**(6) - 0.0732 B**(7) + 0.05884 B**(8) + 0.02964 B**(9) - 0.0032 B**(10) - 0.03493 B**(11) + 0.05689 B**(12)

Warning: Unless PRINTALL is specified along with the options given in the current FORECAST statement, the FORECAST statement will do nothing.

Outlier Detection Summary	
Maximum number searched	5
Number found	5
Significance used	0.05

Outlier Details

Obs	Type	Estimate	Chi-Square	Approx Prob>ChiSq
467	Additive	-14.62307	8.03	0.0046
483	Additive	-14.55908	8.04	0.0046
511	Additive	13.78080	7.26	0.0071
447	Additive	-12.39516	5.89	0.0153
162	Additive	-12.03926	5.54	0.0186