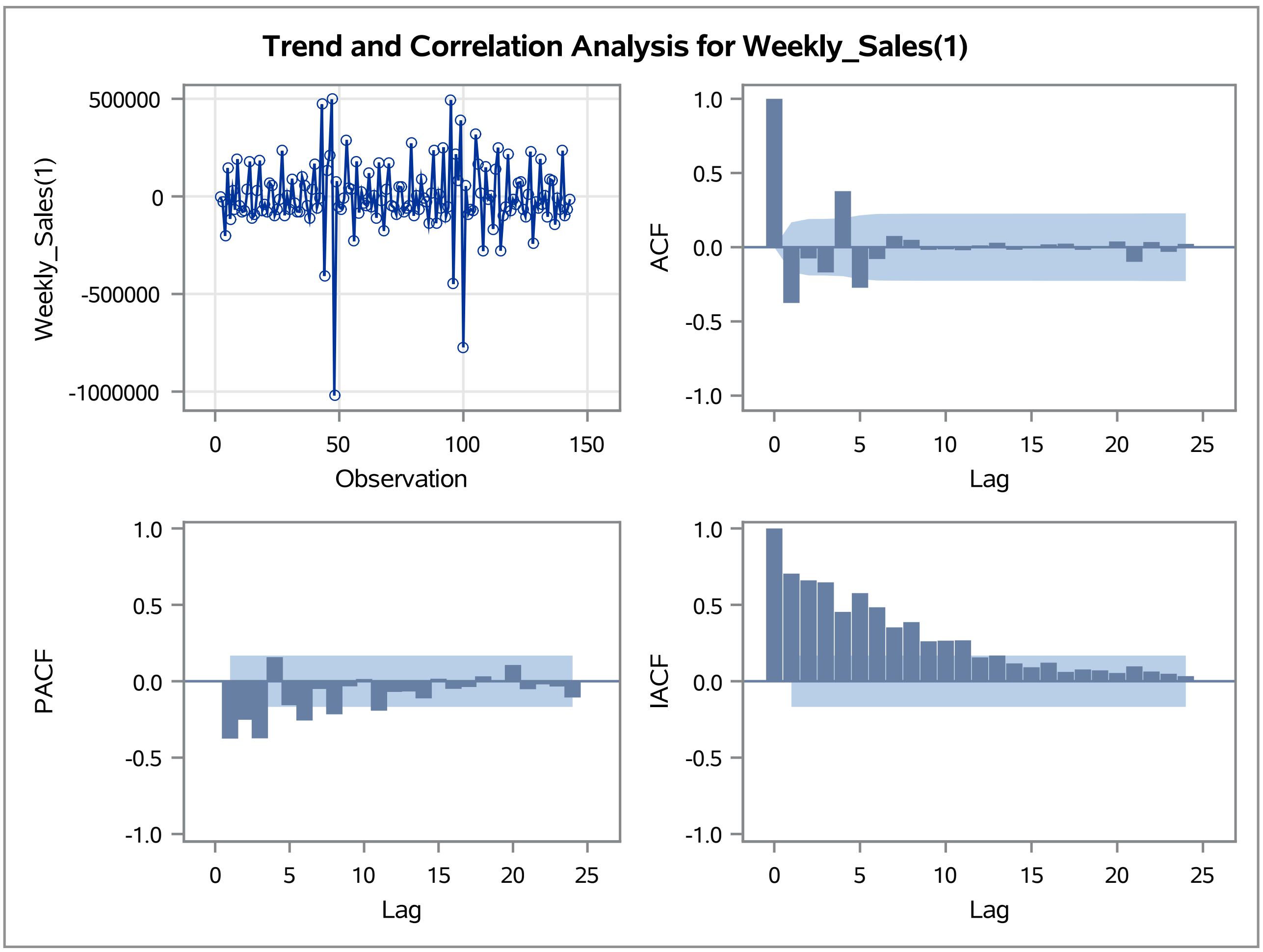
The ARIMA Procedure

Name of Variable = Weekly_Sales	
Period(s) of Differencing	1
Mean of Working Series	-1056.56
Standard Deviation	184118.2
Number of Observations	142
Observation(s) eliminated by differencing	1

Autocorrelation Check for White Noise									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	58.82	6	<.0001	-0.376	-0.076	-0.170	0.378	-0.273	-0.080
12	60.24	12	<.0001	0.076	0.050	-0.018	-0.014	-0.021	0.012
18	60.64	18	<.0001	0.030	-0.017	-0.007	0.019	0.024	-0.018
24	63.00	24	<.0001	0.004	0.039	-0.098	0.035	-0.031	0.023



The ARIMA Procedure

Conditional Least Squares Estimation					
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
MU	-1029.8	10500.1	-0.10	0.9220	0
AR1,1	-0.37569	0.07833	-4.80	<.0001	1

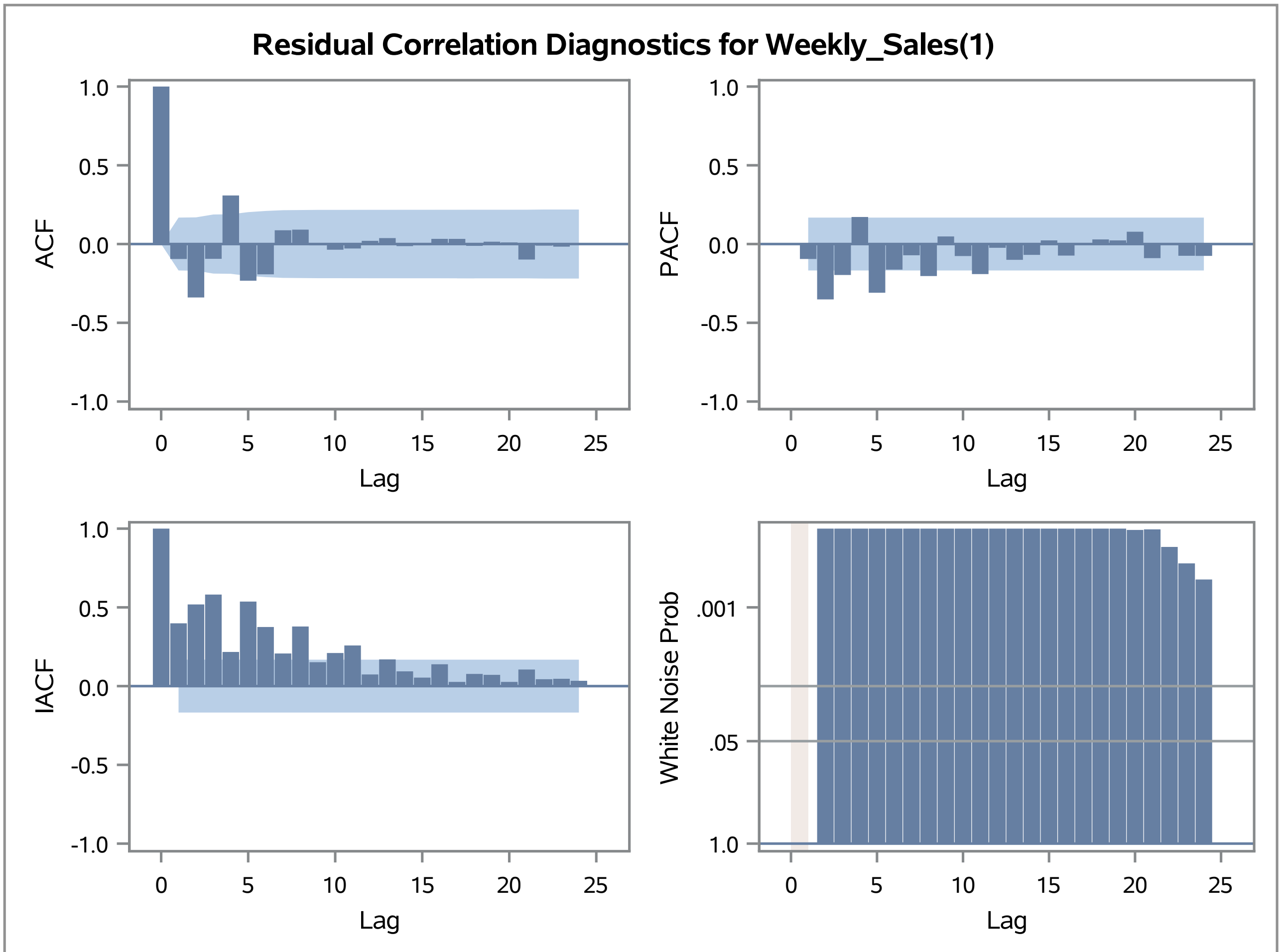
Constant Estimate	-1416.75
Variance Estimate	2.953E10
Std Error Estimate	171845.3
AIC	3828.4
SBC	3834.311
Number of Residuals	142

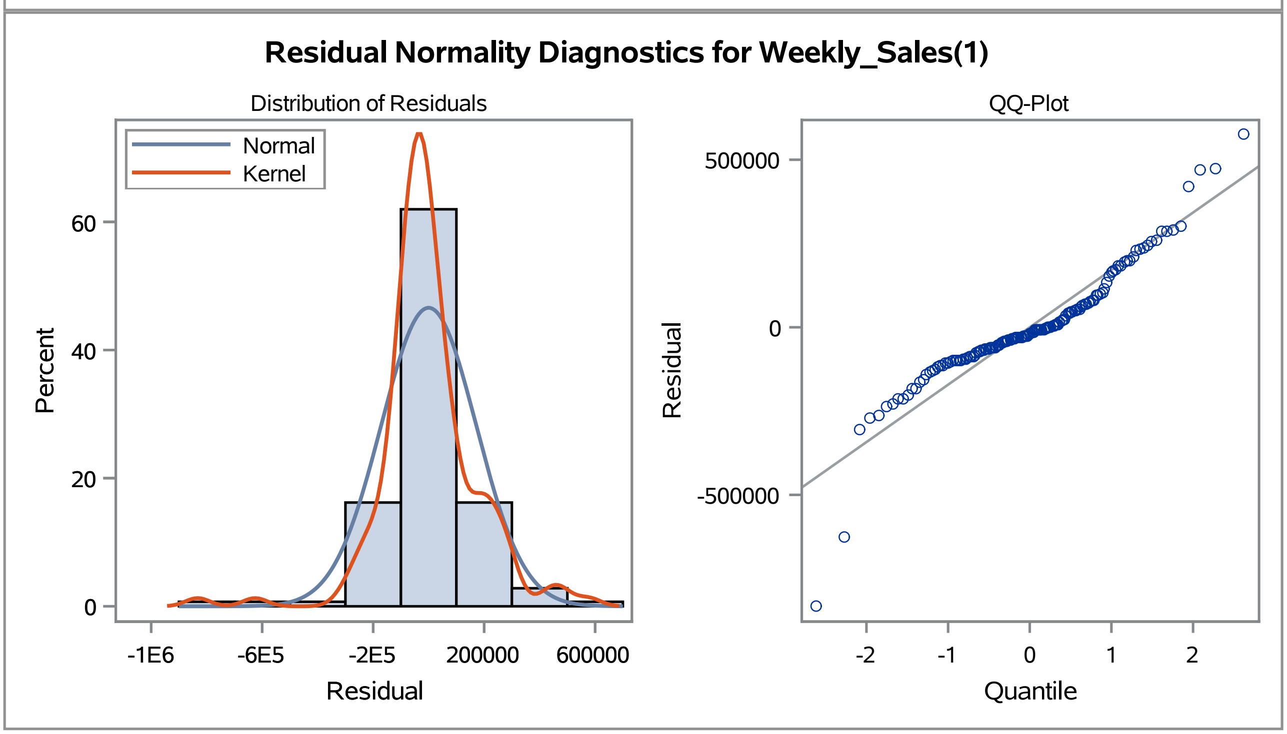
*** AIC and SBC do not include log determinant.**

Correlations of Parameter Estimates		
Parameter	MU	AR1,1
MU	1.000	-0.000
AR1,1	-0.000	1.000

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	47.15	5	<.0001	-0.095	-0.339	-0.094	0.308	-0.233	-0.192
12	49.99	11	<.0001	0.088	0.091	-0.008	-0.036	-0.028	0.020
18	50.63	17	<.0001	0.038	-0.013	-0.008	0.033	0.033	-0.011
24	52.39	23	0.0004	0.015	0.010	-0.098	-0.010	-0.017	0.006

The ARIMA Procedure





Model for variable Weekly_Sales	
Estimated Mean	-1029.84
Period(s) of Differencing	1

The ARIMA Procedure

Autoregressive Factors	
Factor 1:	1 + 0.37569 B**(1)

Warning: The ID value for observation 2 is the same as the ID value for the last observation according to ID variable DATE.

Warning: The ID value for observation 3 is the same as the ID value for the last observation according to ID variable DATE.

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The ARIMA Procedure

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The ARIMA Procedure

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The ARIMA Procedure

Forecasts for variable Weekly_Sales				
Obs	Forecast	Std Error	95% Confidence Limits	
144	1497656.4	171845	1160845.7	1834467.1
145	1494738.1	202585	1097678.8	1891797.4
146	1494417.7	241544	1021001.1	1967834.4
147	1493121.4	270798	962366.9	2023875.8
148	1492191.7	298613	906920.3	2077463.0
149	1491124.2	323552	856973.3	2125275.1