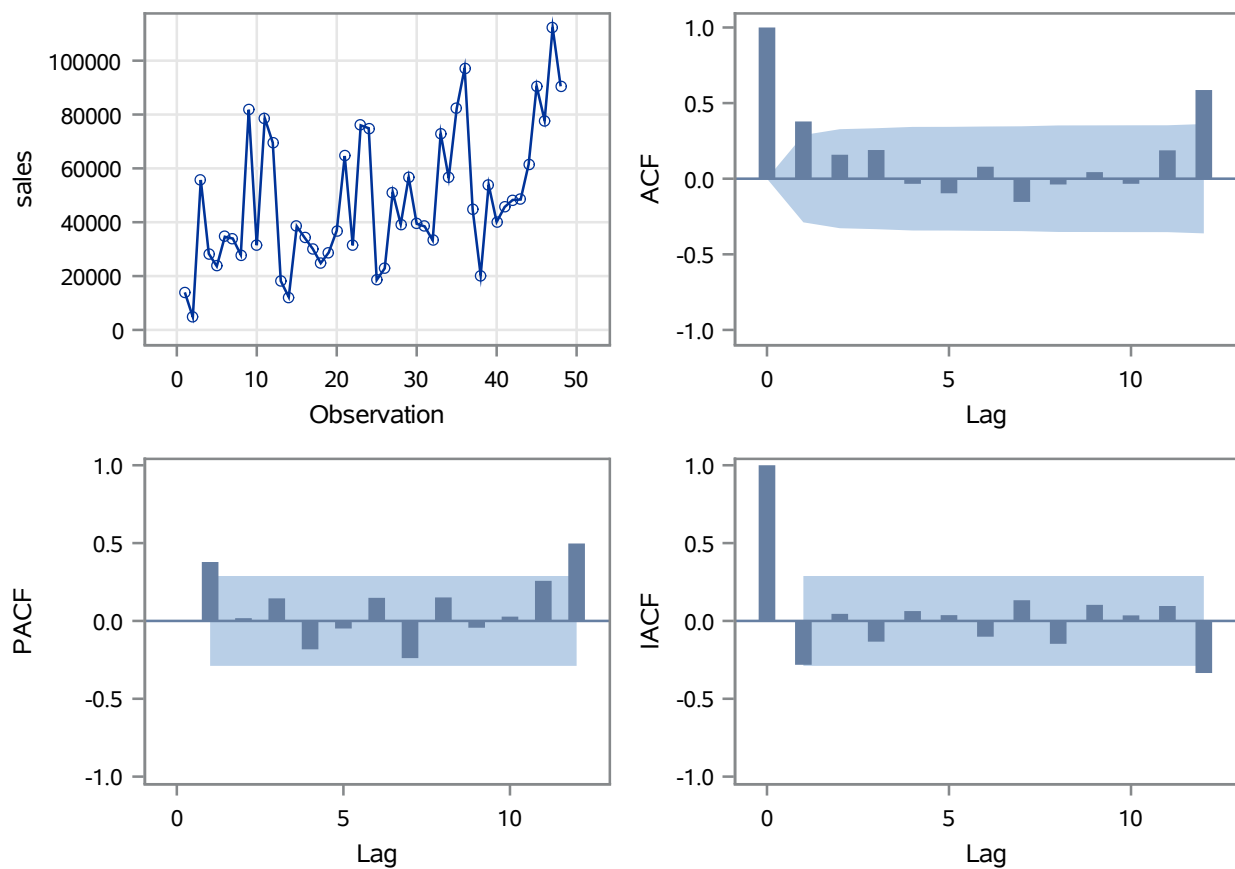


Name of Variable = sales	
Mean of Working Series	47858.35
Standard Deviation	24812.49
Number of Observations	48

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	11.48	6	0.0745	0.378	0.158	0.190	-0.034	-0.096	0.079
12	38.35	12	0.0001	-0.154	-0.038	0.043	-0.034	0.188	0.587

### Trend and Correlation Analysis for sales

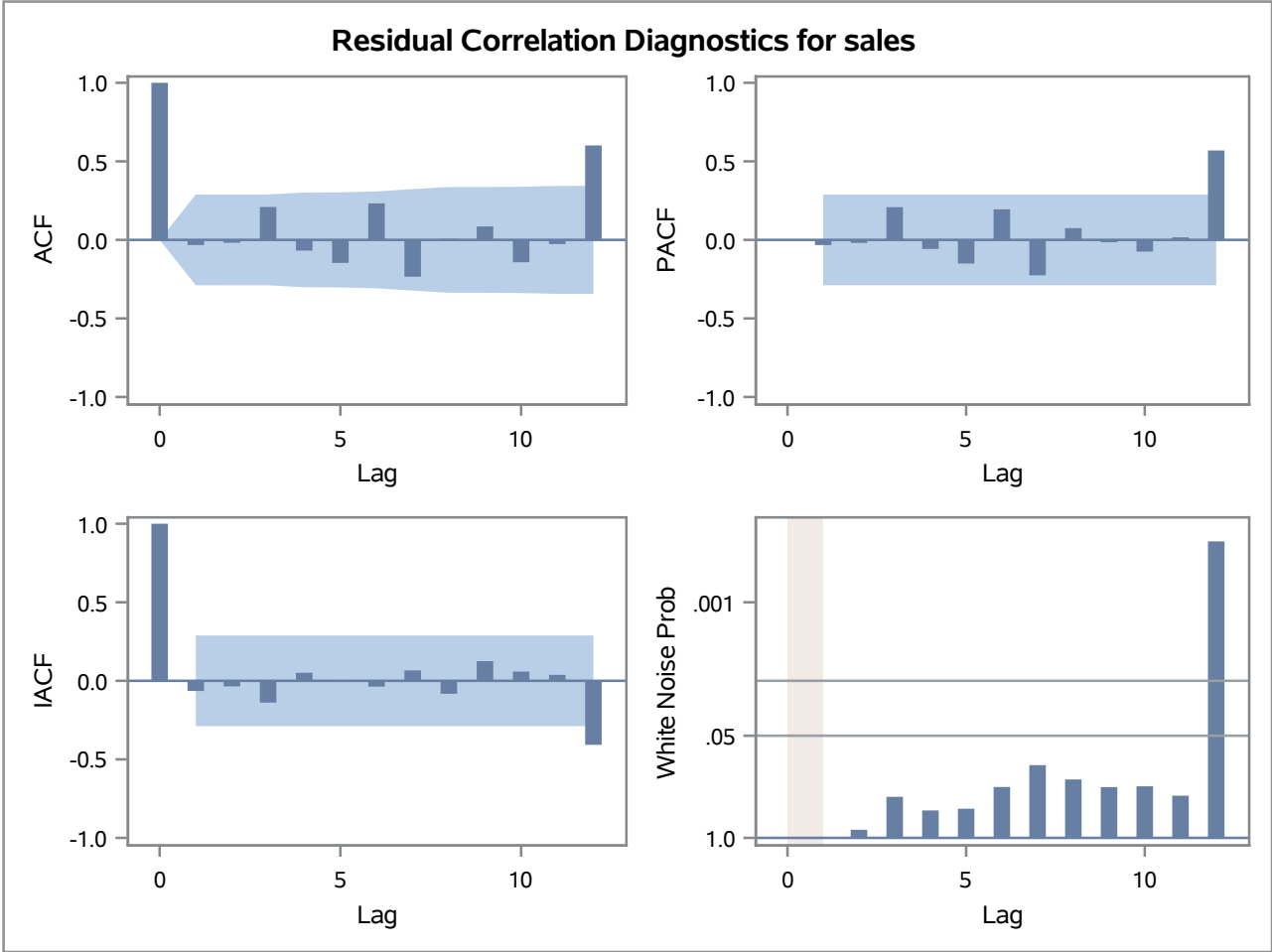


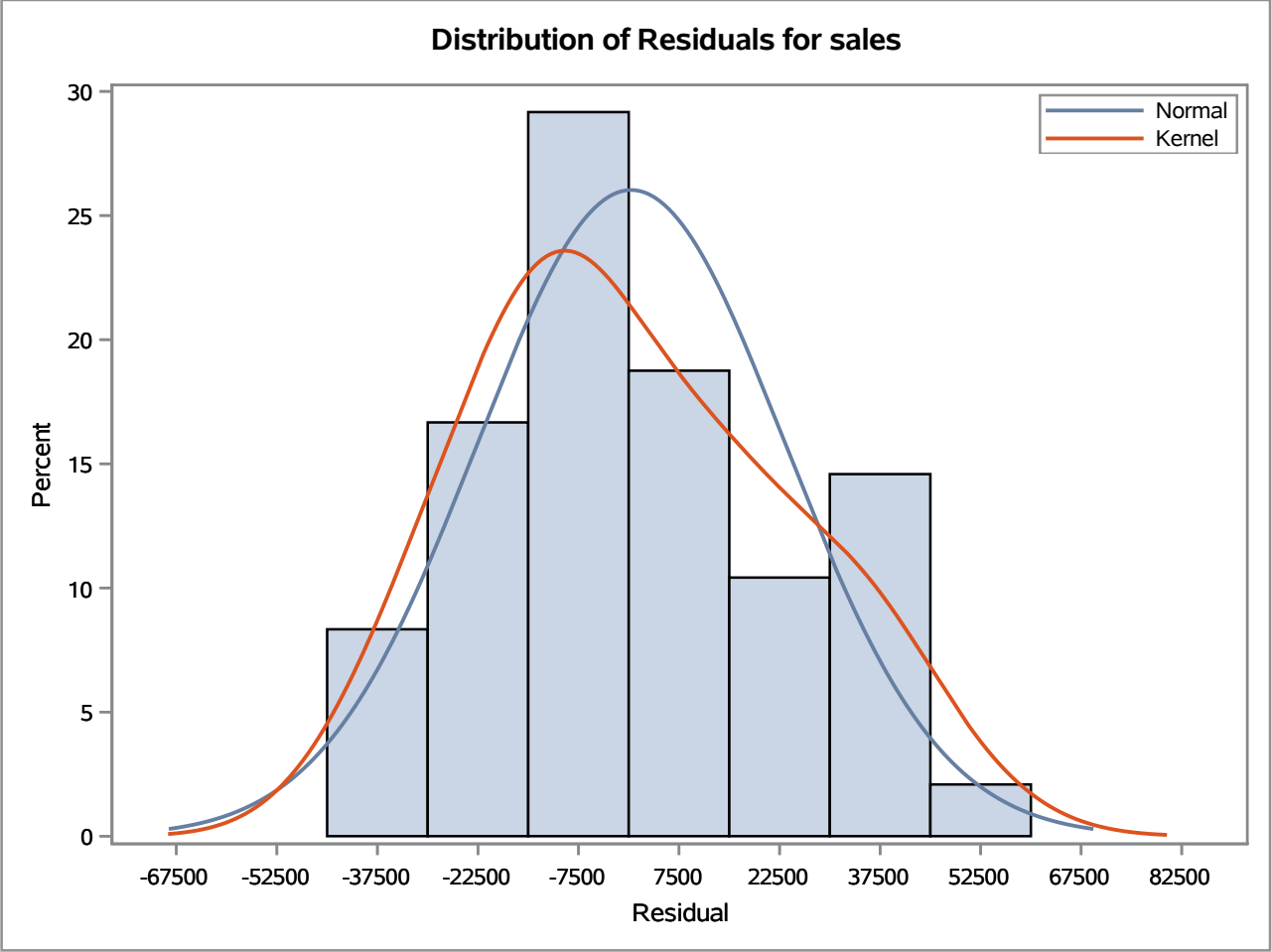
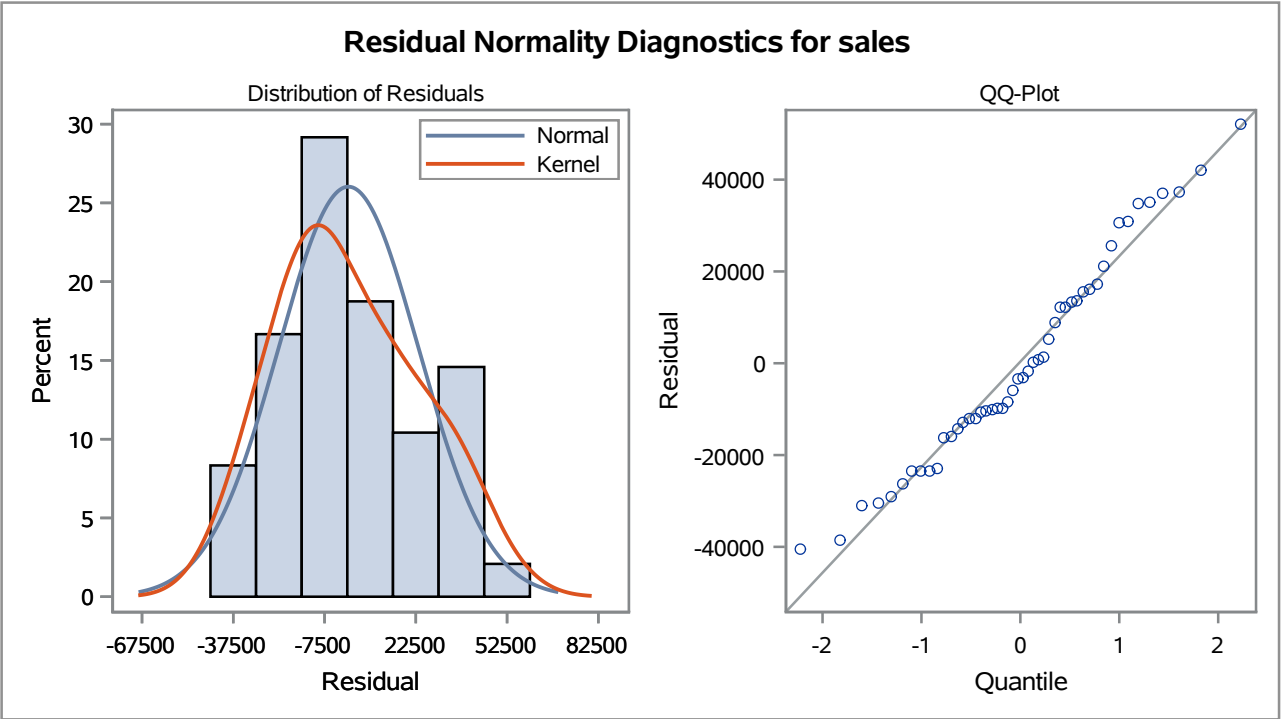
Maximum Likelihood Estimation					
Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag
MU	47980.8	5617.9	8.54	<.0001	0
AR1,1	0.41111	0.13894	2.96	0.0031	1

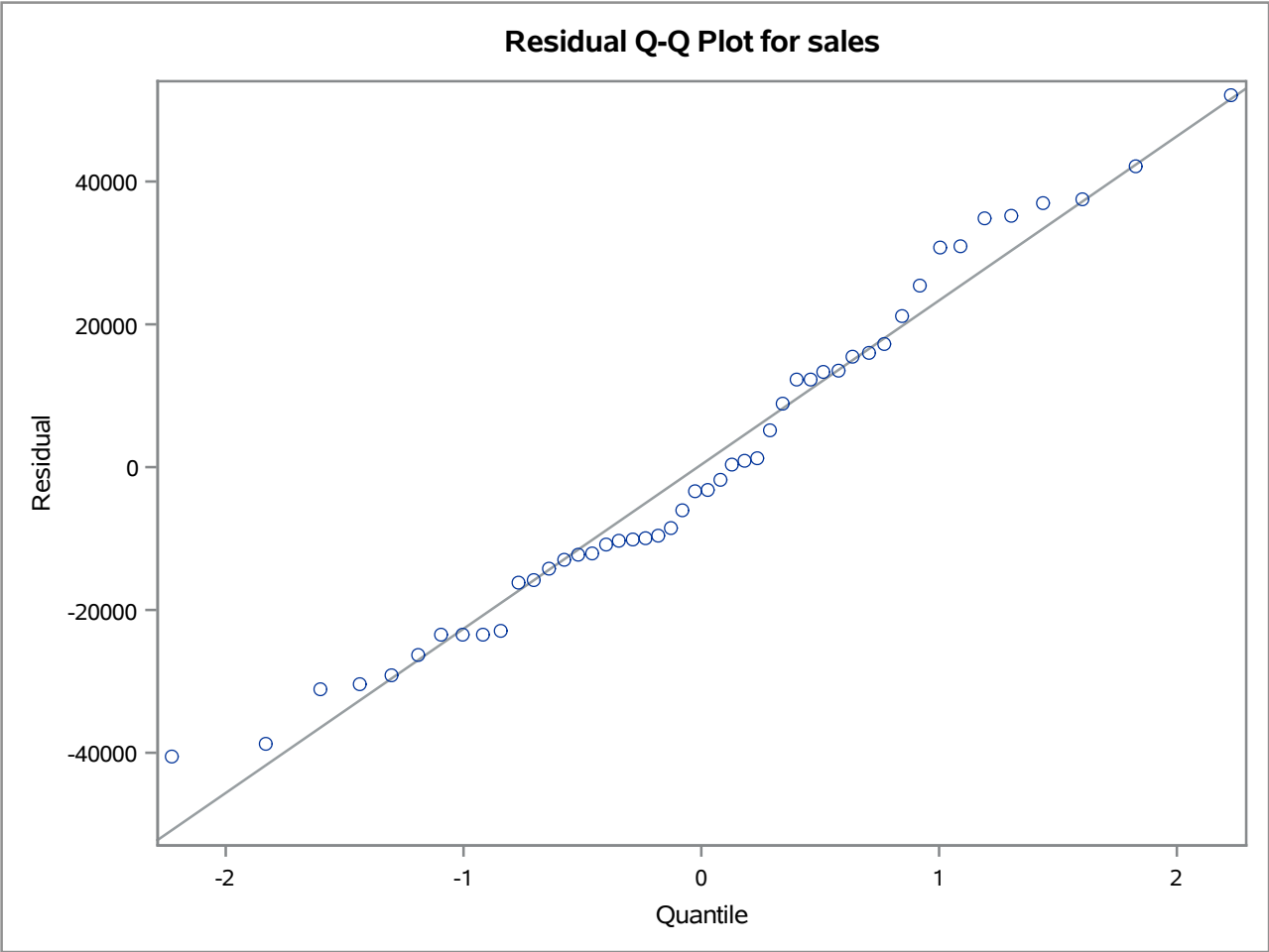
Constant Estimate	28255.35
Variance Estimate	5.4017E8
Std Error Estimate	23241.66
AIC	1103.516
SBC	1107.258
Number of Residuals	48

Correlations of Parameter Estimates		
Parameter	MU	AR1,1
MU	1.000	0.062
AR1,1	0.062	1.000

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	6.93	5	0.2260	-0.032	-0.018	0.209	-0.068	-0.147	0.232
12	35.97	11	0.0002	-0.234	0.006	0.085	-0.143	-0.027	0.601
18	40.03	17	0.0013	0.007	-0.048	0.079	-0.068	-0.117	0.159
24	60.97	23	<.0001	-0.212	0.007	0.026	-0.171	-0.074	0.373







Model for variable sales	
Estimated Mean	47980.82

Autoregressive Factors	
Factor 1:	1 - 0.41111 B**(1)

**Warning:** The ID value for observation 3 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 5 according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 6 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 8 according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 9 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 10 according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 12 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 13 according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 15 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 16 according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 18 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** There are gaps in the interval for observation 19 according to ID variable ORDER\_DATE.

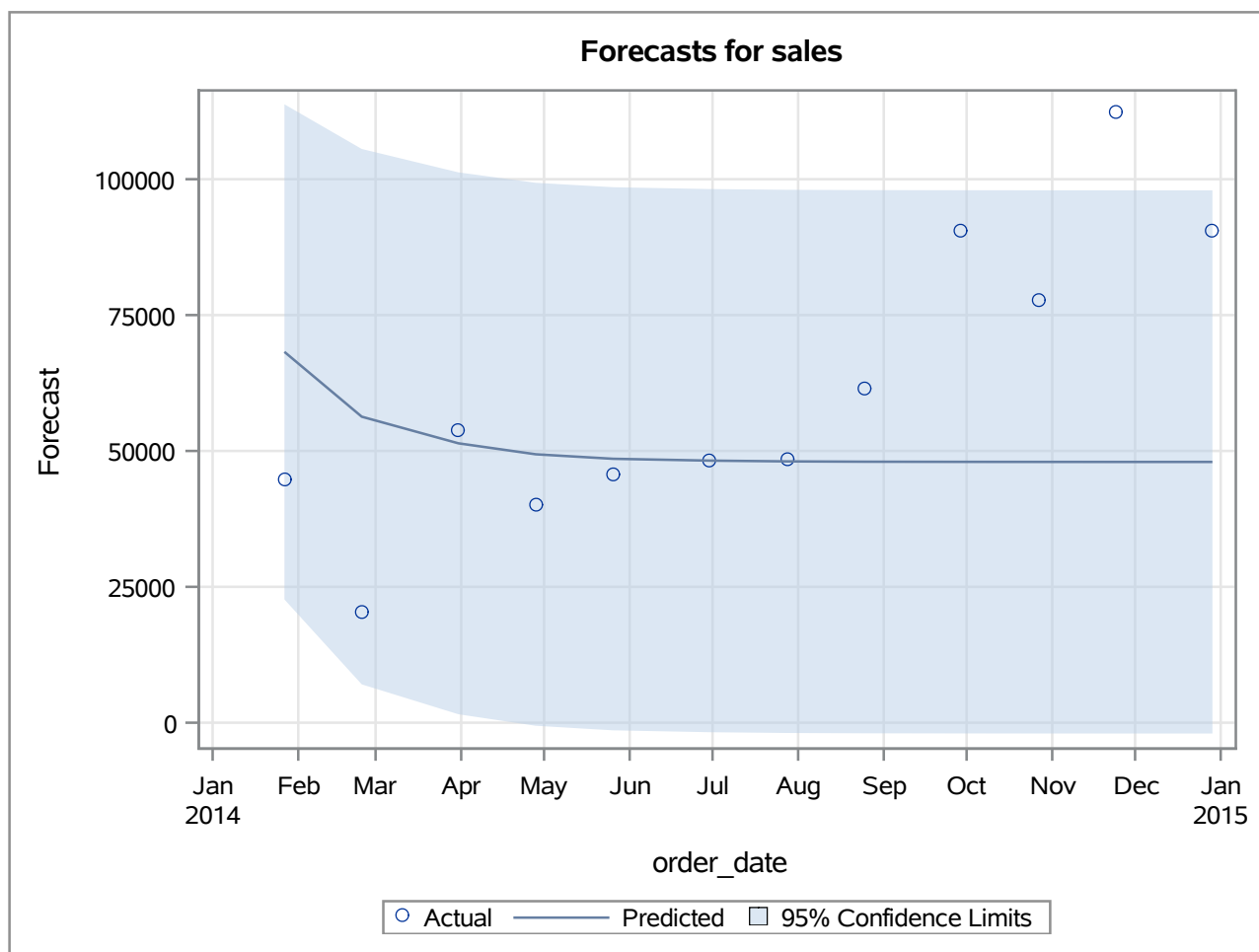
**Note:** Further warnings will not be printed.

**Warning:** The ID value for observation 21 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 27 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

**Warning:** The ID value for observation 30 is the same as the ID value for the last observation according to ID variable ORDER\_DATE.

Forecasts for variable sales						
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual
37	68230.7764	23241.664	22677.9529	113783.5998	44703.1420	-23527.6344
38	56305.8099	25129.094	7053.6904	105557.9294	20283.5134	-36022.2965
39	51403.3178	25434.261	1553.0821	101253.5535	53908.9620	2505.6442
40	49387.8464	25485.477	-562.7710	99338.4638	40112.4209	-9275.4255
41	48559.2627	25494.123	-1408.3006	98526.8260	45651.2362	-2908.0265
42	48218.6224	25495.584	-1751.8044	98189.0492	48259.7487	41.1263
43	48078.5812	25495.831	-1892.3296	98049.4919	48428.3650	349.7838
44	48021.0086	25495.873	-1949.9839	97992.0011	61516.0860	13495.0774
45	47997.3399	25495.880	-1973.6665	97968.3462	90488.7220	42491.3821
46	47987.6094	25495.881	-1983.3993	97958.6181	77793.7552	29806.1458
47	47983.6090	25495.881	-1987.4001	97954.6181	112326.4710	64342.8620
48	47981.9645	25495.881	-1989.0447	97952.9736	90474.6008	42492.6363



Outlier Detection Summary	
Maximum number searched	1
Number found	1
Significance used	0.05

Outlier Details				
Obs	Type	Estimate	Chi-Square	Approx Prob>ChiSq
45	Shift	41330.6	6.25	0.0124

Obs	rmse	mae	mape
1	24788.83	20210.24	65.2594