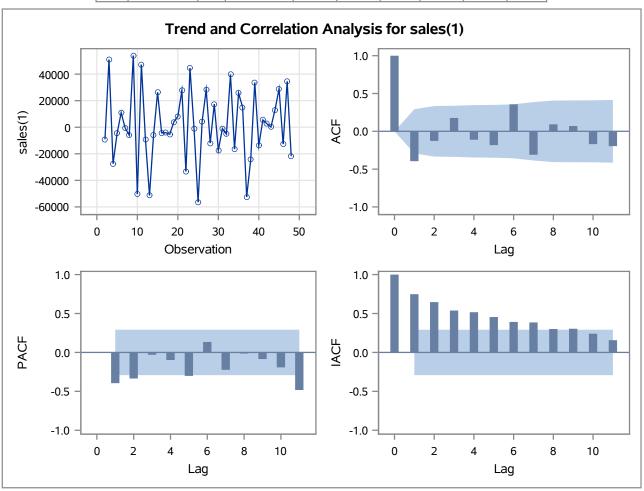
Name of Variable = sales			
Period(s) of Differencing	1		
Mean of Working Series	1628.263		
Standard Deviation	26754.34		
Number of Observations	47		
Observation(s) eliminated by differencing	1		

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	19.93	6	0.0029	-0.395 -0.127 0.177 -0.112 -0.183				-0.183	0.357

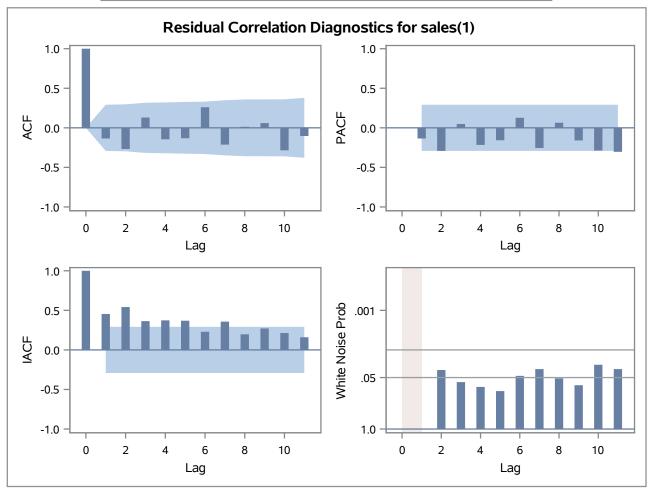


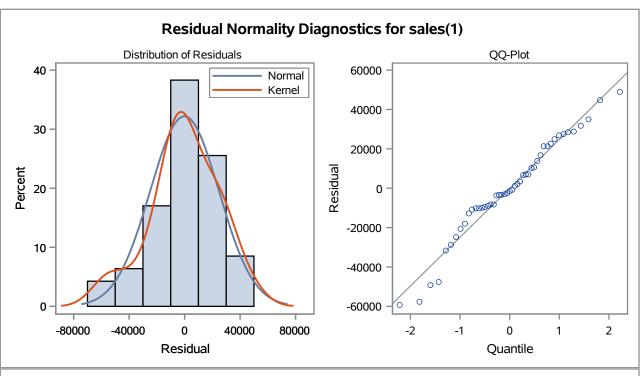
Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag		
MU	1836.9	2634.4	0.70	0.4856	0		
AR1,1	-0.39456	0.13758	-2.87	0.0041	1		

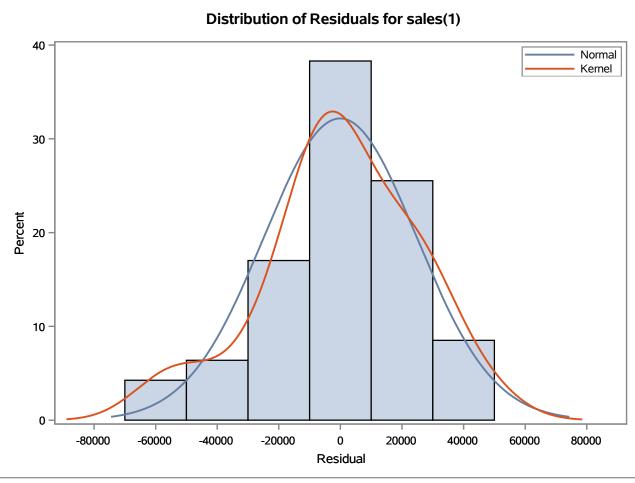
Constant Estimate	2561.655
Variance Estimate	6.287E8
Std Error Estimate	25073.82
AIC	1087.686
SBC	1091.386
Number of Residuals	47

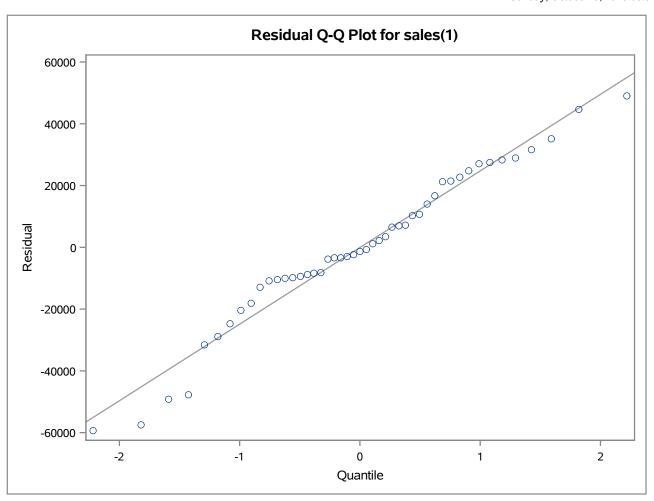
Correlations of Parameter Estimates					
Parameter MU AR1,1					
MU	1.000	-0.014			
AR1,1	-0.014	1.000			

	Autocorrelation Check of Residuals								
To Lag	Chi-Square	DF Pr > ChiSq Autocorrelation			relations	lations			
6	11.32	5	0.0453	-0.135	-0.268	0.130	-0.145	-0.132	0.260
12	41.82	11	<.0001	-0.212	0.013	0.060	-0.284	-0.103	0.578
18	47.98	17	<.0001	-0.014	-0.168	0.048	-0.084	-0.084	0.192
24	68.58	23	<.0001	-0.181	0.046	0.054	-0.218	-0.079	0.353









	Model for variable s	ales				
E	stimated Mean	1836.893				
P	eriod(s) of Differencing	1				
	Autoregressive Factors					

1 + 0.39456 B\*\*(1) Factor 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.

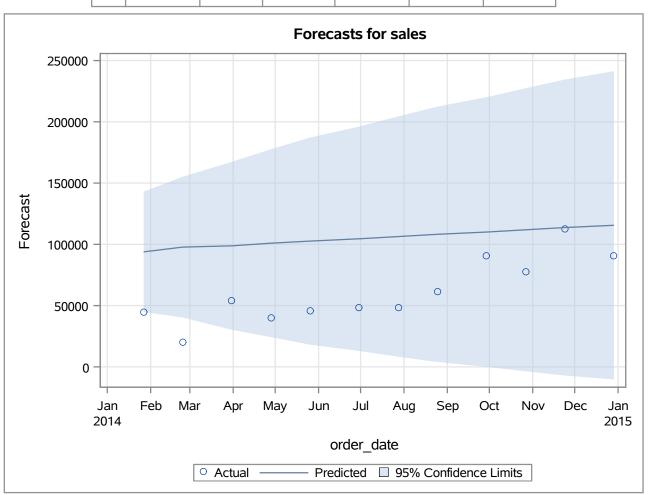
Warning: There are gaps in the interval for observation 19 according to ID variable ORDER\_DATE.

**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% Confid	lence Limits	Actual	Residual		
37	93862.8954	25073.815	44719.1206	143006.6702	44703.1420	-49159.7534		
38	97755.9980	29311.267	40306.9701	155205.0259	20283.5134	-77472.4846		
39	98781.5944	34976.482	30228.9492	167334.2397	53908.9620	-44872.6324		
40	100938.5911	39129.865	24245.4657	177631.7165	40112.4209	-60826.1702		
41	102649.1837	43135.015	18106.1079	187192.2594	45651.2362	-56997.9475		
42	104535.9090	46706.167	12993.5035	196078.3145	48259.7487	-56276.1603		
43	106353.1396	50056.972	8243.2766	204463.0025	48428.3650	-57924.7746		
44	108197.7899	53184.510	3958.0658	212437.5139	61516.0860	-46681.7039		
45	110031.6215	56142.793	-6.2307	220069.4737	90488.7220	-19542.8995		
46	111869.7218	58951.042	-3672.1973	227411.6408	77793.7552	-34075.9666		
47	113706.1378	61632.134	-7090.6249	234502.9004	112326.4710	-1379.6668		
48	115543.2183	64201.106	-10288.6367	241375.0733	90474.6008	-25068.6175		



Outlier Detection Summa	ry
Maximum number searched	1
Number found	1
Significance used	0.05

Outlier Details					
Obs	Туре	Estimate	Chi-Square	Approx Prob>ChiSq	

Sunday, October 8, 2023 03:31:58 PM **7** 

Obs	rmse	mae	mape
1	32428.03	25648.48	74.2618