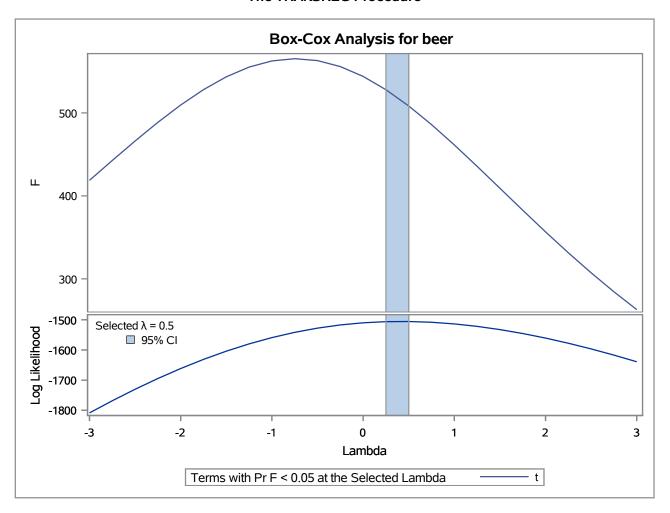


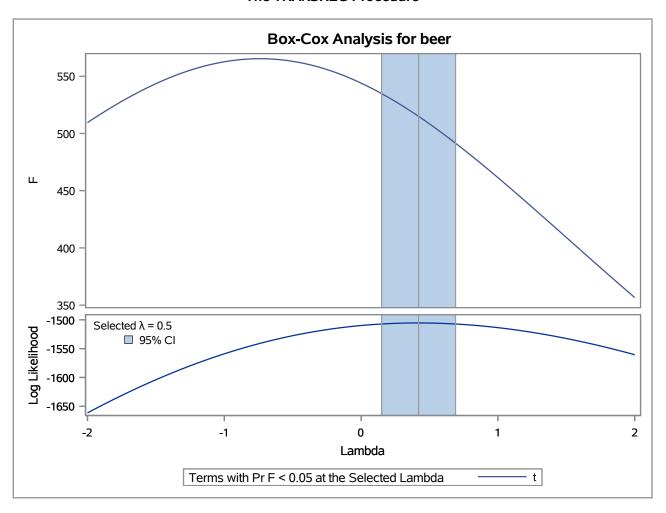
The MEANS Procedure

Variable	Minimum	Maximum	Median
Month	-1461.00	12996.00	5767.50
beer	64.8000000	217.8000000	139.1500000
t	1.0000000	476.0000000	238.5000000

The TRANSREG Procedure

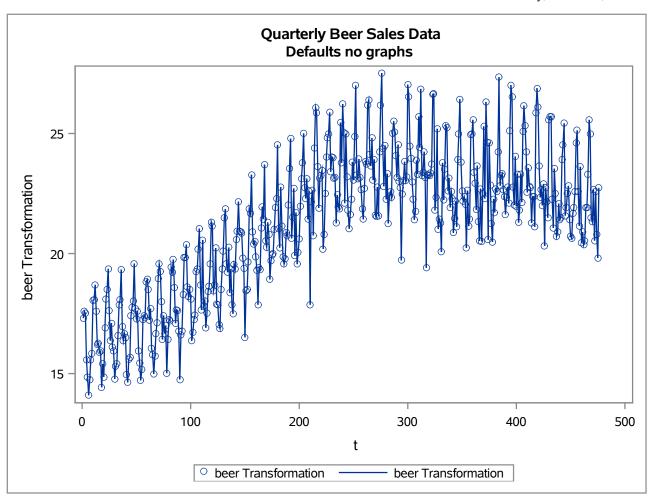


The TRANSREG Procedure



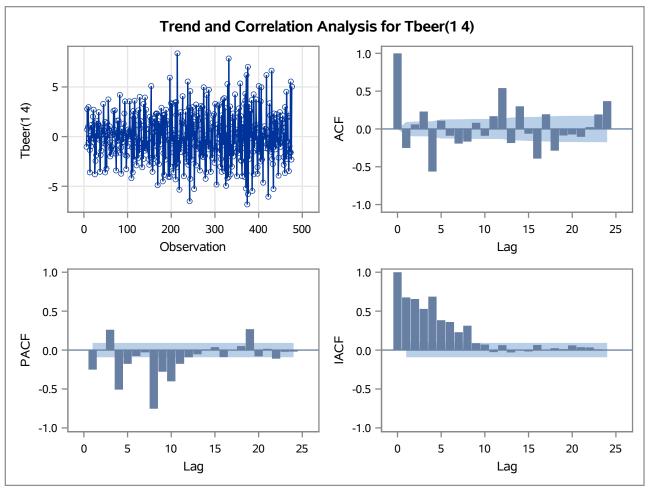
The TRANSREG Procedure

		Model Stat	tement Specification	n Details
Туре	DF	Variable	Description	Value
Dep	1	BoxCox(beer)	Lambda Used	0.5
			Lambda	0.42
			Log Likelihood	-1505.4
			Conv. Lambda	0.5
			Conv. Lambda LL	-1505.6
			CI Limit	-1507.4
			Alpha	0.05
			Options	Convenient Lambda Used
Ind	1	Identity(t)	DF	1



Name of Variable = Tbeer		
Period(s) of Differencing	1,4	
Mean of Working Series	0.00991	
Standard Deviation	2.464675	
Number of Observations	471	
Observation(s) eliminated by differencing	5	

	Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations						
6	217.99	6	<.0001	-0.251	0.060	0.230	-0.564	0.109	-0.090	
12	412.26	12	<.0001	-0.194	-0.167	0.082	-0.091	0.169	0.541	
18	609.24	18	<.0001	-0.186	0.299	-0.063	-0.392	0.194	-0.287	
24	707.06	24	<.0001	-0.086	-0.073	-0.104	0.024	0.192	0.368	

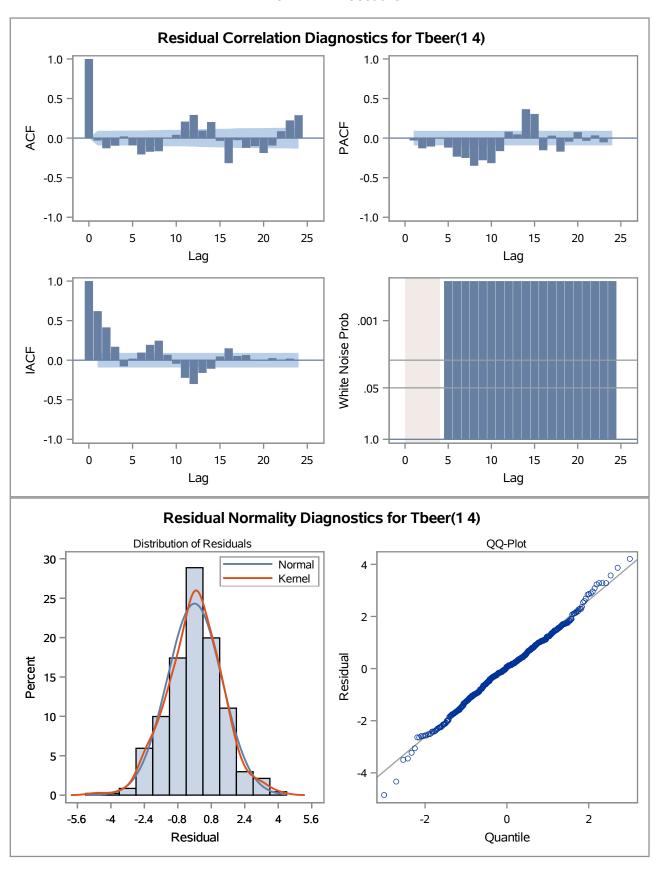


Maximum Likelihood Estimation								
Parameter Estimate Standard Error t Value Pr > t Lag								
MA1,1	1.52241	0.04475	34.02	<.0001	4			
MA1,2	-0.82557	0.07408	-11.14	<.0001	8			
MA1,3	0.27603	0.04500	6.13	<.0001	12			
AR1,1	-0.31877	0.04375	-7.29	<.0001	1			

Variance Estimate	1.733602
Std Error Estimate	1.316663
AIC	1614.377
SBC	1630.997
Number of Residuals	471

Correlations of Parameter Estimates							
Parameter	MA1,3	AR1,1					
MA1,1	1.000	-0.843	0.446	-0.116			
MA1,2	-0.843	1.000	-0.837	0.091			
MA1,3	0.446	-0.837	1.000	-0.022			
AR1,1	-0.116	0.091	-0.022	1.000			

	Autocorrelation Check of Residuals								
To Lag	Chi-Square	DF	Pr > ChiSq		Autocorrelations				
6	37.33	2	<.0001	-0.030	-0.128	-0.096	0.021	-0.091	-0.207
12	128.71	8	<.0001	-0.172	-0.166	0.006	0.042	0.209	0.293
18	210.78	14	<.0001	0.095	0.203	-0.035	-0.317	-0.026	-0.123
24	308.47	20	<.0001	-0.102	-0.188	-0.094	0.087	0.224	0.290
30	369.95	26	<.0001	0.089	0.165	-0.077	-0.165	-0.070	-0.221
36	447.39	32	<.0001	-0.089	-0.087	-0.120	0.083	0.152	0.303
42	520.77	38	<.0001	0.238	0.010	-0.080	-0.101	-0.070	-0.252
48	618.67	44	<.0001	0.007	-0.183	-0.133	0.185	0.097	0.303



Model for variable Tbeer			
Period(s) of Differencing	1,4		

The ARIMA Procedure

No mean term in this model.

Autoregressive Factors Factor 1: 1 + 0.31877 B**(1)

Moving Average Factors				
Factor 1:	1 - 1.52241 B**(4) + 0.82557 B**(8) - 0.27603 B**(12)			

	Forecasts for variable Tbeer									
Obs	Forecast	Std Error	95% Confidence Limits		Actual	Residual				
473	21.5081	1.3167	18.9275	24.0887	22.5764	1.0683				
474	21.2967	1.5932	18.1742	24.4192	20.8035	-0.4932				
475	22.2421	1.8975	18.5230	25.9612	19.8174	-2.4247				
476	23.2380	2.1394	19.0449	27.4311	22.7386	-0.4994				
477	21.3299	2.1623	17.0919	25.5679						
478	21.7115	2.2260	17.3486	26.0743						
479	22.9042	2.2731	18.4491	27.3594						
480	22.3122	2.3236	17.7580	26.8665						
481	21.3927	2.4827	16.5267	26.2586						
482	21.4229	2.5933	16.3401	26.5056						
483	22.4785	2.7107	17.1657	27.7914						
484	22.4169	2.8197	16.8904	27.9435						
485	21.3283	2.9355	15.5749	27.0817						
486	21.4124	3.0434	15.4474	27.3774						

