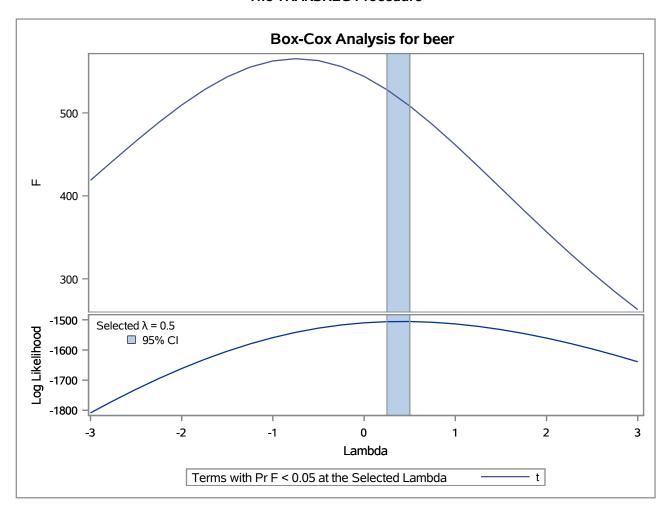


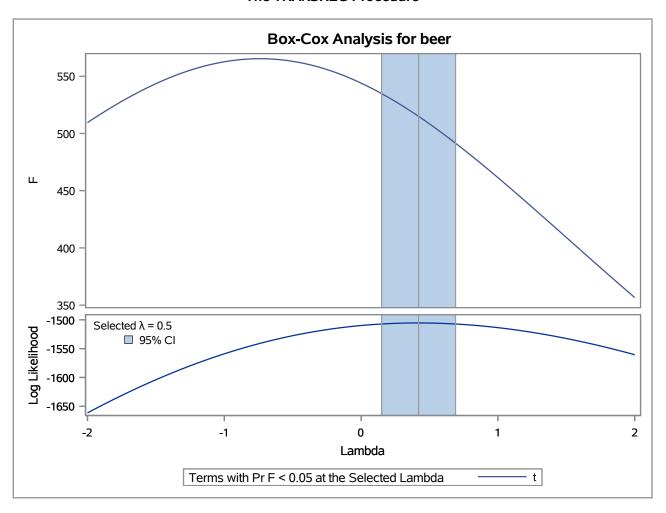
The MEANS Procedure

Variable	ariable 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

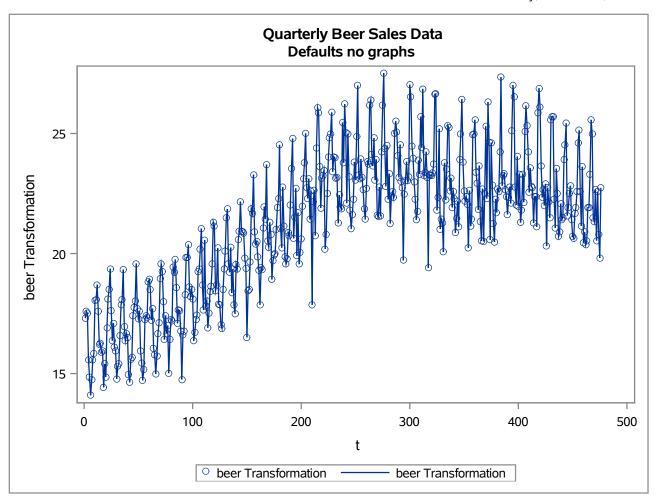


The TRANSREG Procedure



The TRANSREG Procedure

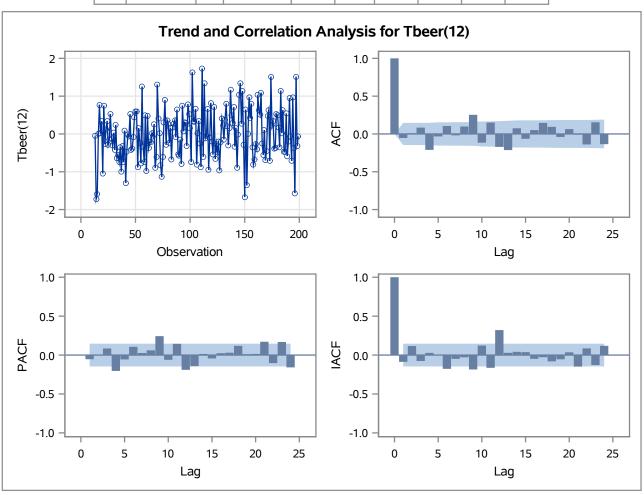
	Model Statement Specification Details								
Туре	DF	Variable	Description	Value					
Dep	1	BoxCox(beer)	Lambda Used	0.5					
			Lambda	0.42					
			Log Likelihood	-1505.4					
			Conv. Lambda	0.5					
			Conv. Lambda LL	-1505.6					
			CI Limit	-1507.4					
			Alpha	0.05					
			Options	Convenient Lambda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



The ARIMA Procedure

Name of Variable = Tbeer			
Period(s) of Differencing	12		
Mean of Working Series	0		
Standard Deviation	0.663261		
Number of Observations	187		
Observation(s) eliminated by differencing	12		

	Autocorrelation Check for White Noise								
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	12.85	6	0.0454	-0.054	0.009	0.084	-0.211	-0.033	0.105
12	40.64	12	<.0001	-0.018	0.098	0.253	-0.115	0.151	-0.171
18	58.65	18	<.0001	-0.213	0.075	-0.064	0.051	0.146	0.094
24	73.13	24	<.0001	-0.040	0.064	-0.010	-0.139	0.155	-0.135



The ARIMA Procedure

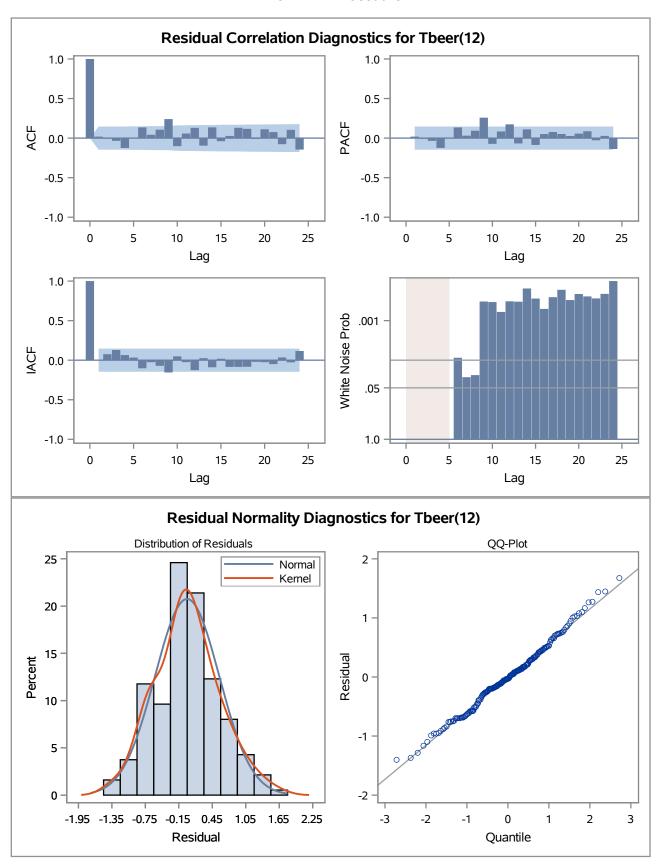
Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > t	Lag		
MA1,1	-0.24836	0.06554	-3.79	0.0002	11		
MA1,2	0.65755	0.06951	9.46	<.0001	12		
AR1,1	0.03972	0.07240	0.55	0.5833	1		
AR1,2	0.03352	0.07372	0.45	0.6493	2		
AR1,3	0.16671	0.07544	2.21	0.0271	3		

Variance Estimate	0.340036
Std Error Estimate	0.583126
AIC	343.4754
SBC	359.6309
Number of Residuals	187

Correlations of Parameter Estimates								
Parameter	MA1,1 MA1,2 AR1,1 AR1,2 AR1,3							
MA1,1	1.000	-0.067	-0.127	0.242	0.125			
MA1,2	-0.067	1.000	0.129	-0.053	0.257			
AR1,1	-0.127	0.129	1.000	-0.083	-0.021			
AR1,2	0.242	-0.053	-0.083	1.000	-0.035			
AR1,3	0.125	0.257	-0.021	-0.035	1.000			

Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	6.89	1	0.0087	0.019	-0.008	-0.035	-0.125	0.002	0.135
12	27.06	7	0.0003	0.042	0.106	0.240	-0.102	0.058	0.130
18	39.50	13	0.0002	-0.095	0.136	-0.039	0.027	0.130	0.117
24	51.57	19	<.0001	-0.011	0.112	0.076	-0.077	0.105	-0.145
30	68.30	25	<.0001	0.047	0.232	0.107	0.014	0.025	-0.087
36	86.44	31	<.0001	-0.006	0.160	-0.002	0.158	0.081	-0.146

The ARIMA Procedure



The ARIMA Procedure

Model for variable Tbeer			
Data have been centered by subtracting the value	0.321709		
Period(s) of Differencing	12		

No mean term in this model.

Autoregressive Factors					
Factor 1:	1 - 0.03972 B**(1) - 0.03352 B**(2) - 0.16671 B**(3)				

Moving Average Factors				
Factor 1:	1 + 0.24836 B**(11) - 0.65755 B**(12)			

