Summary Count of Actual Cases in Texas

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
DATA_YEAR	529	2015.94	1.3344919	2014.00	2018.00
OFFENSE_SUBCAT_ID	529	81.4158790	0.4933394	81.0000000	82.0000000
ACTUAL_COUNT	529	2.2892250	2.7402543	1.0000000	32.0000000
CLEARED_COUNT	529	0.8109641	1.9757509	0	25.0000000

Summary Count of Actual Cases in Texas

Variable: ACTUAL_COUNT

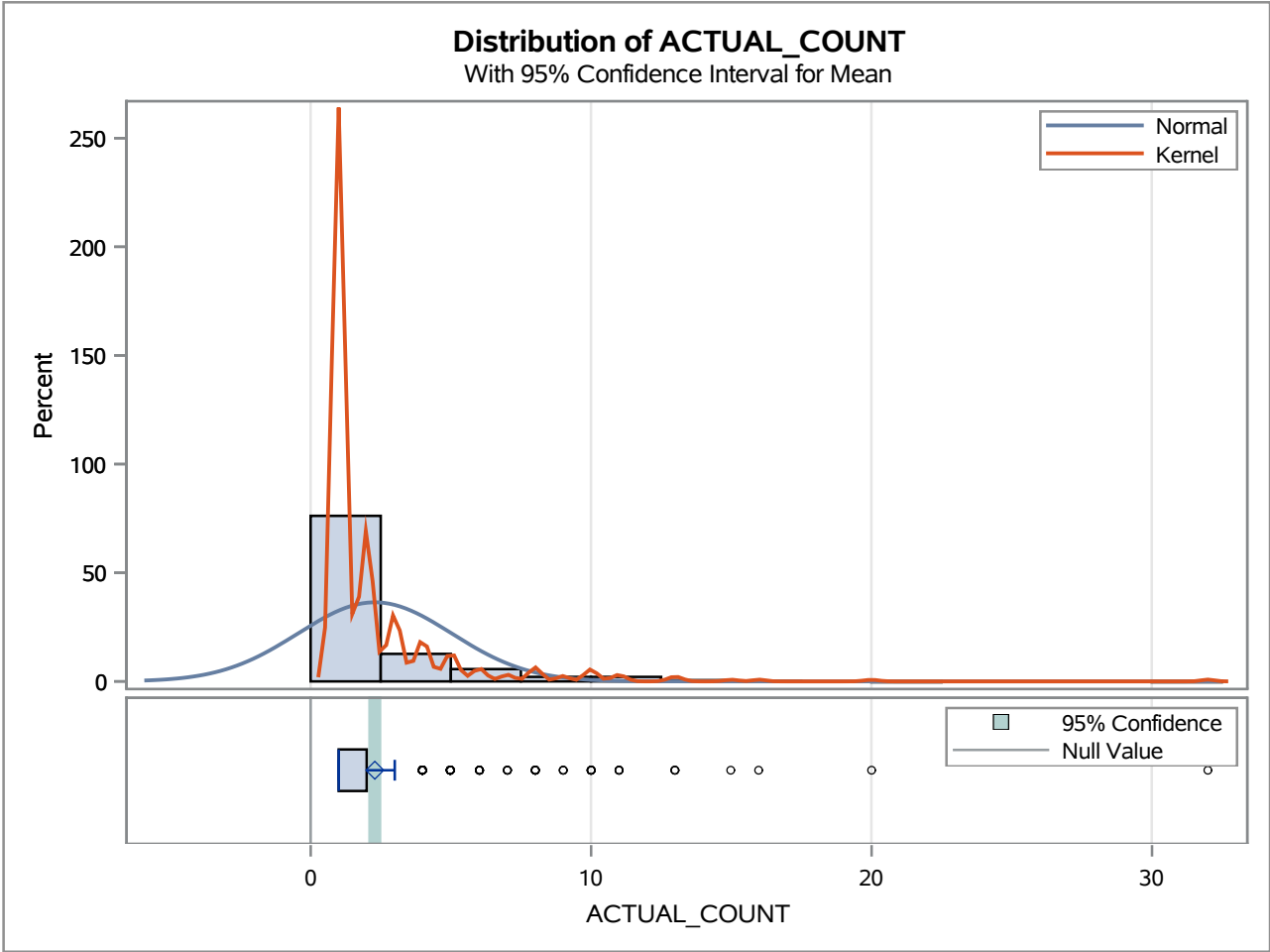| Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	W	0.516138	**Pr < W**	<0.0001
Kolmogorov-Smirnov	D	0.319007	**Pr > D**	<0.0100
Cramer-von Mises	W-Sq	16.11635	**Pr > W-Sq**	<0.0050
Anderson-Darling	A-Sq	81.63	**Pr > A-Sq**	<0.0050

Summary Count of Actual Cases in Texas

Variable: ACTUAL_COUNT

N	Mean	Std Dev	Std Err	Minimum	Maximum
529	2.2892	2.7403	0.1191	1.0000	32.0000

Mean	95% CL Mean		Std Dev	95% CL Std Dev	
2.2892	2.0552	2.5233	2.7403	2.5845	2.9162

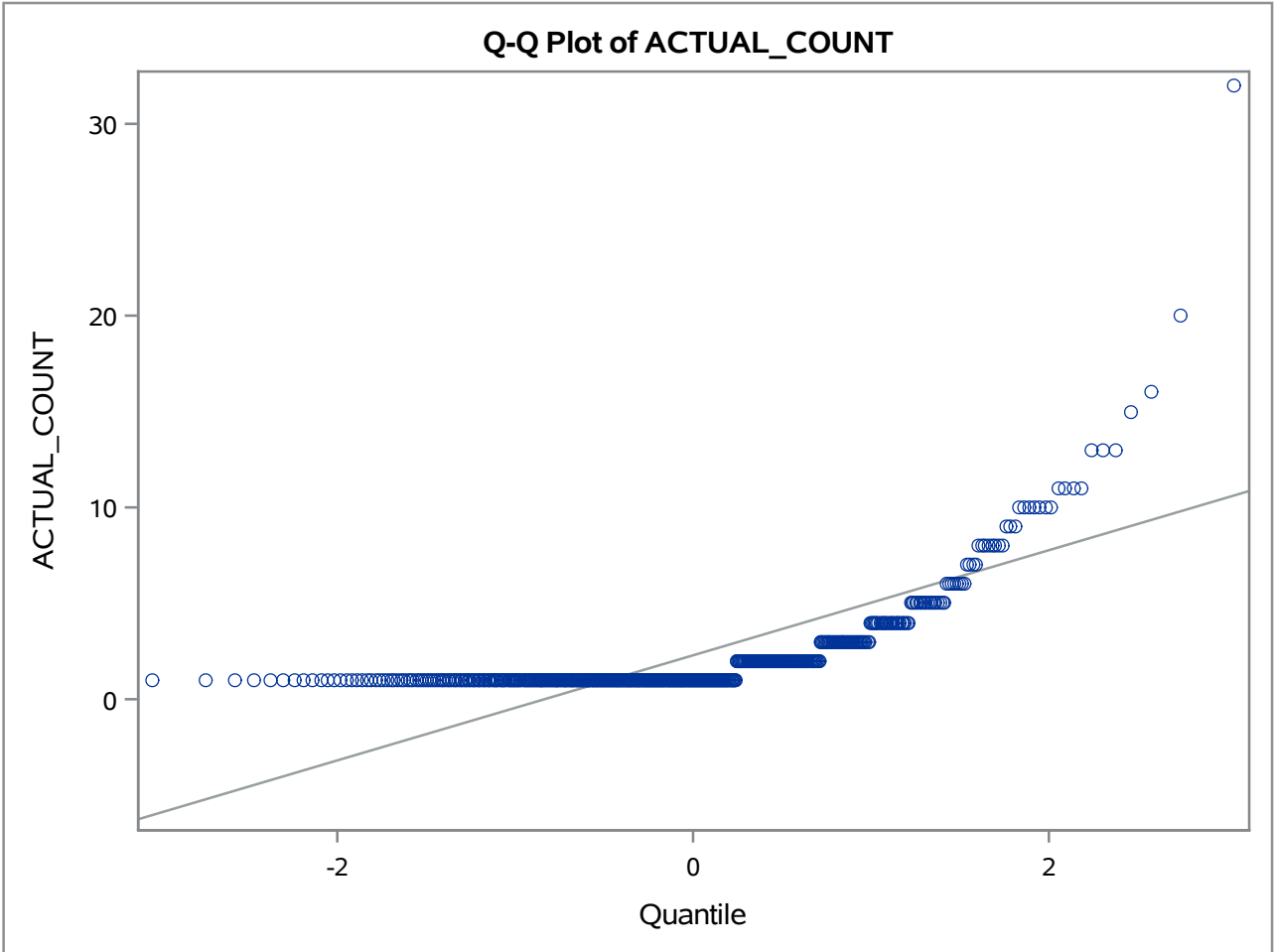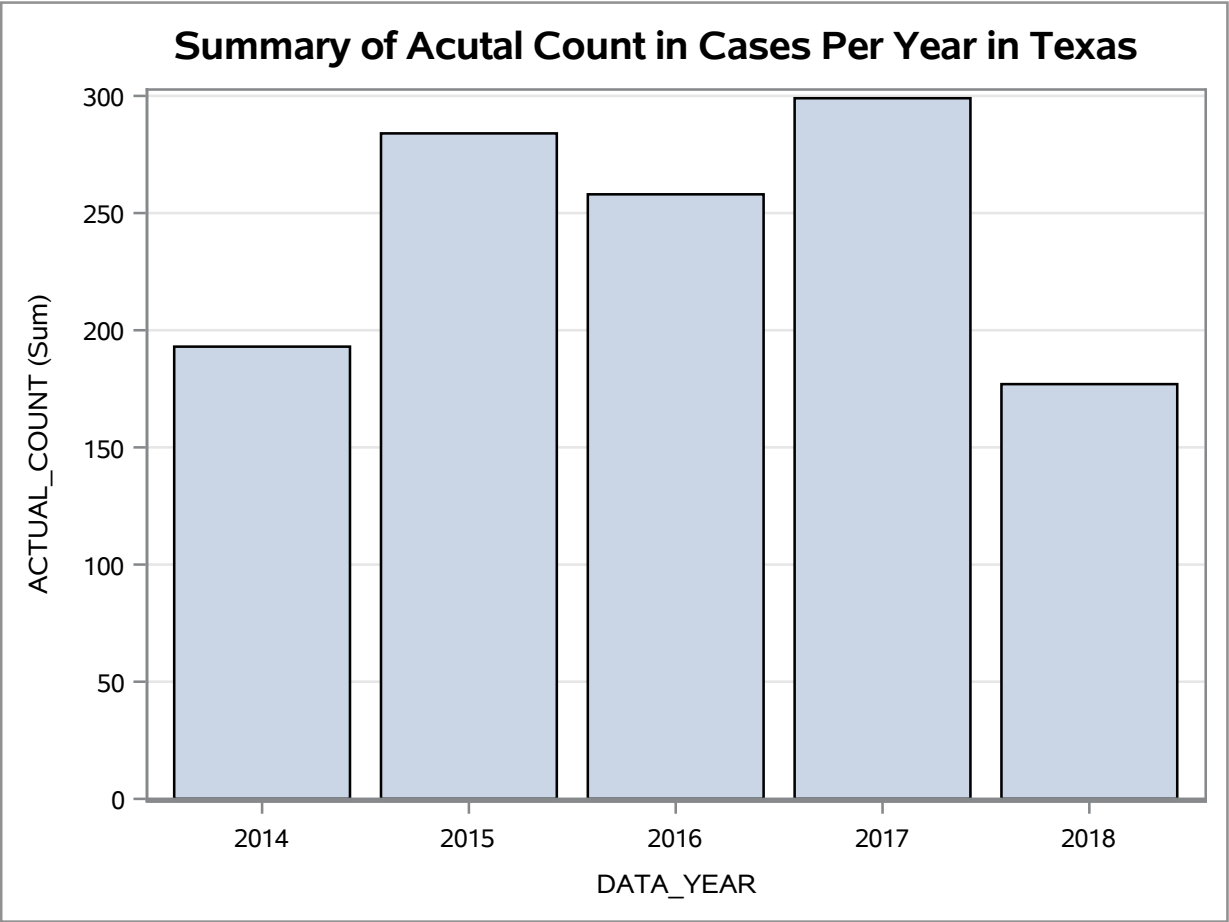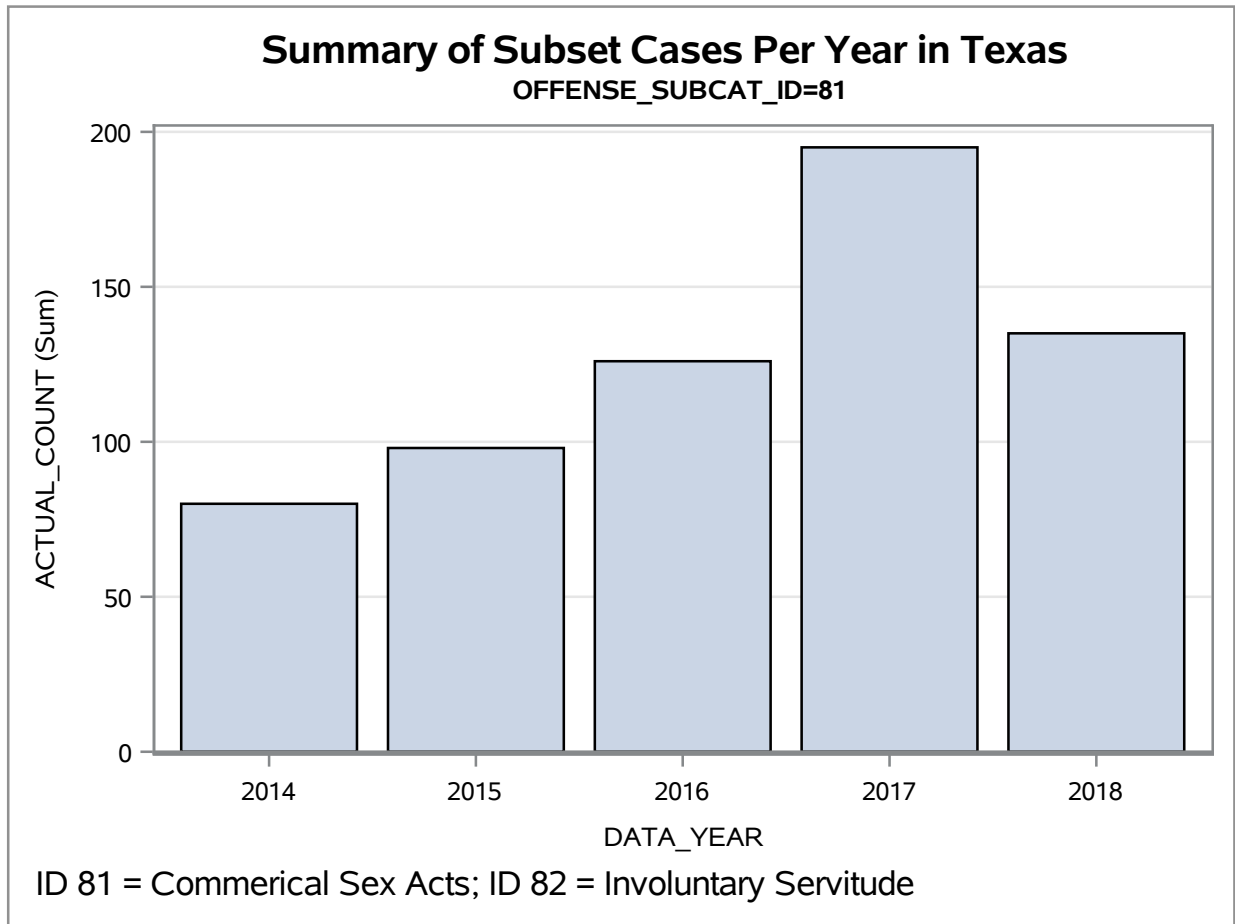| DF	t Value	Pr > |t|
528	19.21	<.0001

Distribution of ACTUAL_COUNT
With 95% Confidence Interval for Mean

Summary Count of Actual Cases in Texas

Variable: ACTUAL_COUNT

Variable: ACTUAL_COUNT

Q-Q Plot of ACTUAL_COUNT

Summary of Acutal Count in Cases Per Year in Texas

Summary of Subset Cases Per Year in Texas
OFFENSE_SUBCAT_ID=81

ID 81 = Commerical Sex Acts; ID 82 = Involuntary Servitude

Summary of Subset Cases Per Year in Texas
OFFENSE_SUBCAT_ID=82

ID 81 = Commerical Sex Acts; ID 82 = Involuntary Servitude
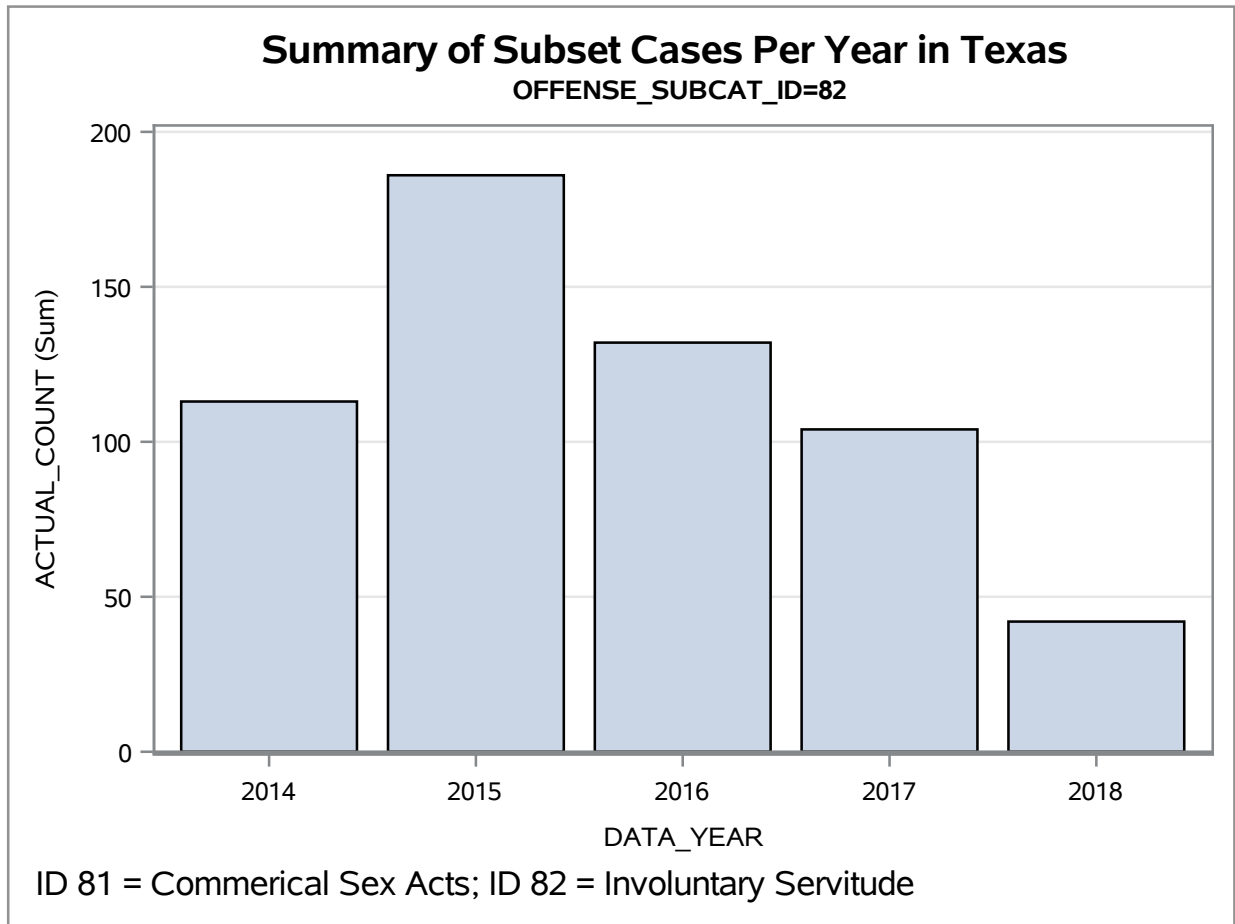
Name of Variable = ACTUAL_COUNT	
Period(s) of Differencing	1,1
Mean of Working Series	-0.0019
Standard Deviation	6.562645
Number of Observations	527
Observation(s) eliminated by differencing	2

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	305.55	6	<.0001	-0.705	0.263	-0.075	-0.011	0.054	-0.026
12	307.52	12	<.0001	-0.007	0.029	-0.045	0.015	0.023	0.002
18	346.83	18	<.0001	-0.057	0.102	-0.136	0.148	-0.118	0.064
24	350.57	24	<.0001	-0.007	-0.033	0.017	0.021	-0.036	0.060

Trend and Correlation Analysis for ACTUAL_COUNT(1 1)
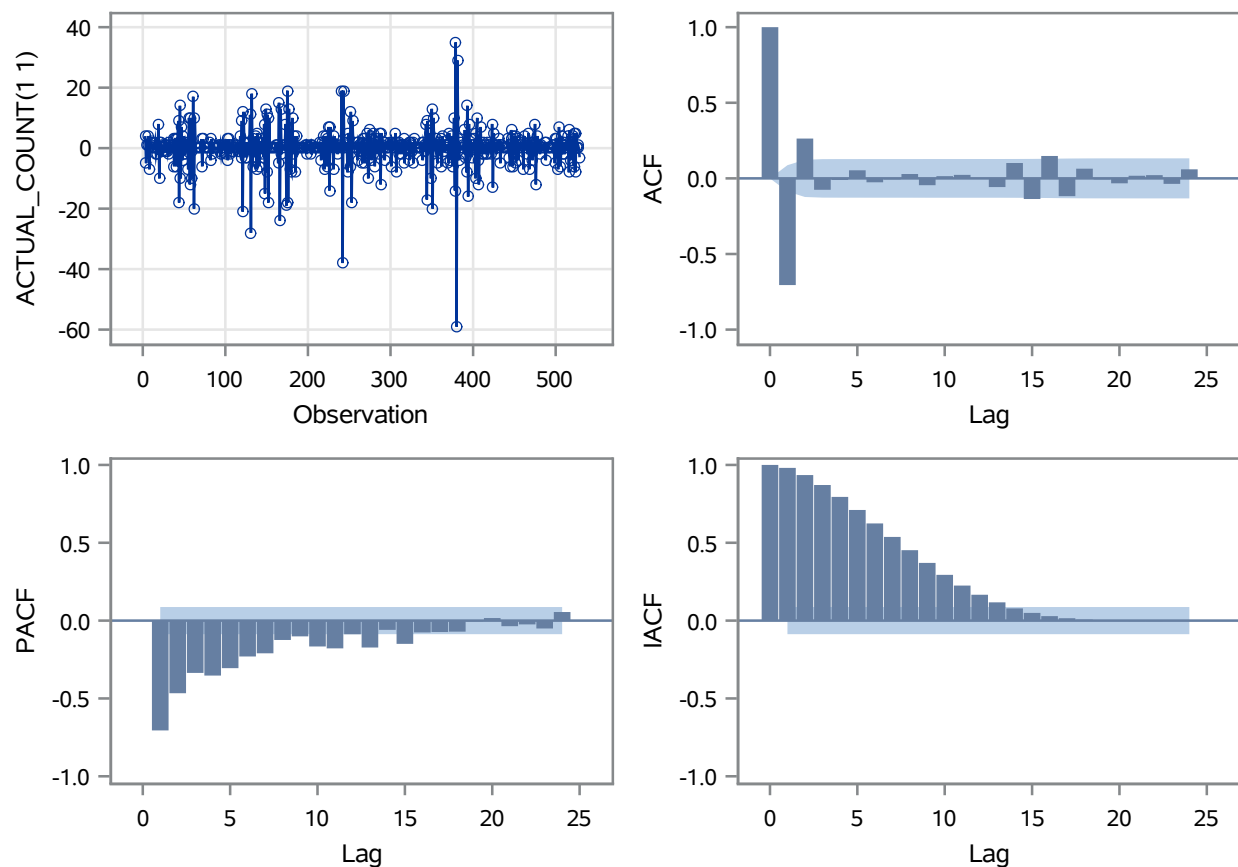
| Variance Estimate	43.06831
Std Error Estimate	6.562645
AIC	3478.55
SBC	3478.55
Number of Residuals	527

* AIC and SBC do not include log determinant.

				Autocorrelation Check of Residuals					
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	305.55	6	<.0001	-0.705	0.263	-0.075	-0.011	0.054	-0.026
12	307.52	12	<.0001	-0.007	0.029	-0.045	0.015	0.023	0.002
18	346.83	18	<.0001	-0.057	0.102	-0.136	0.148	-0.118	0.064
24	350.57	24	<.0001	-0.007	-0.033	0.017	0.021	-0.036	0.060
30	356.23	30	<.0001	-0.081	0.036	0.011	0.004	0.000	-0.047
36	364.77	36	<.0001	0.070	-0.057	0.052	-0.057	0.025	0.014
42	366.08	42	<.0001	-0.017	0.023	-0.029	0.006	0.015	-0.019
48	366.21	48	<.0001	0.014	-0.004	0.002	-0.002	0.000	-0.003

Residual Correlation Diagnostics for ACTUAL_COUNT(1 1)
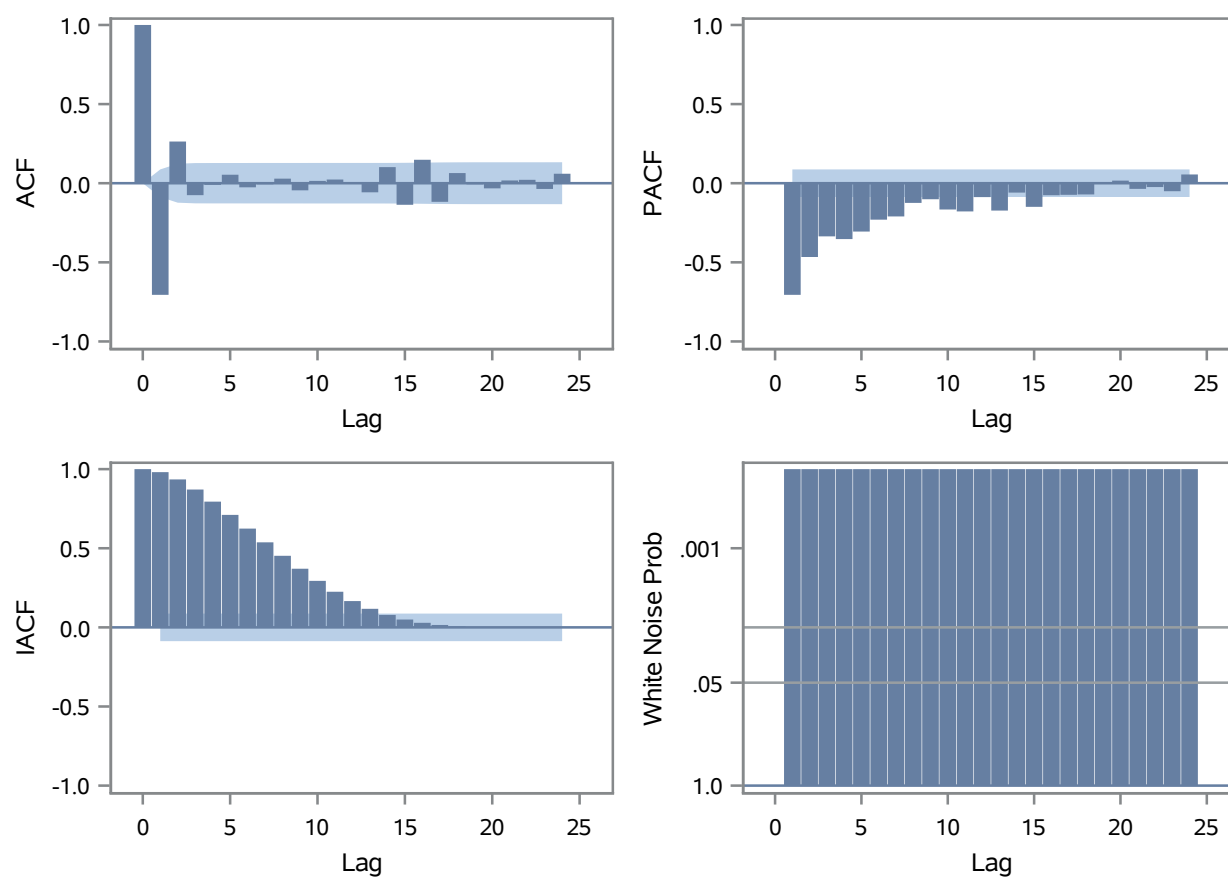
Residual Normality Diagnostics for ACTUAL_COUNT(1 1)

Distribution of Residuals

QQ-Plot
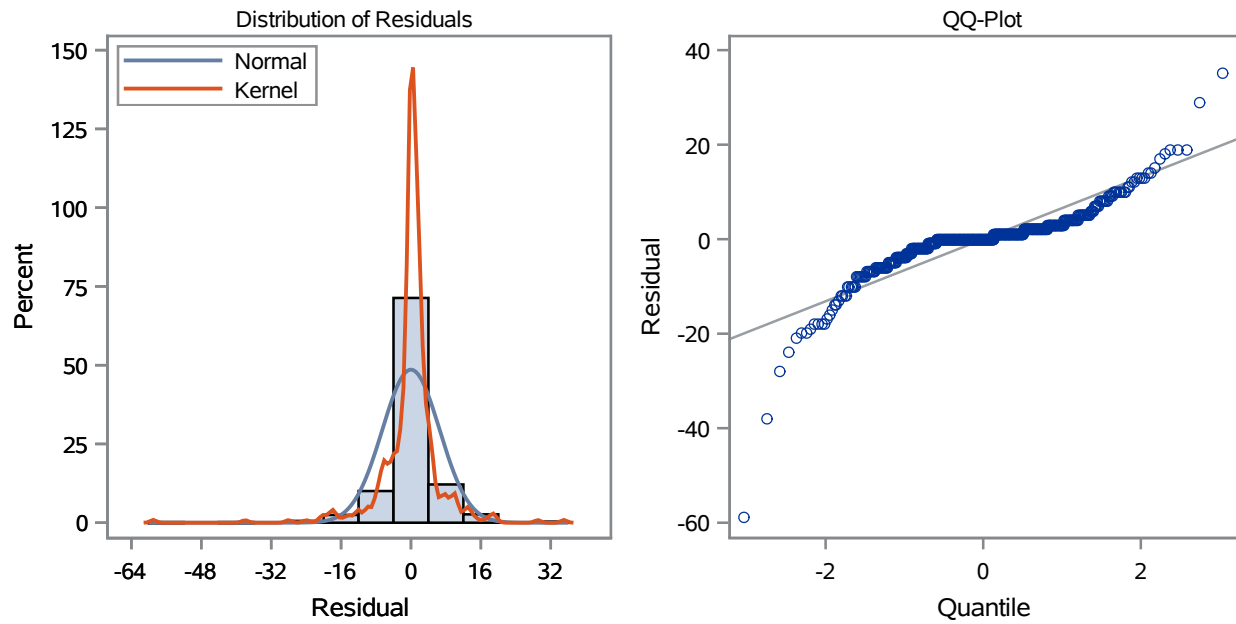
Distribution of Residuals for ACTUAL_COUNT(1 1)

Residual Q-Q Plot for ACTUAL_COUNT(1 1)
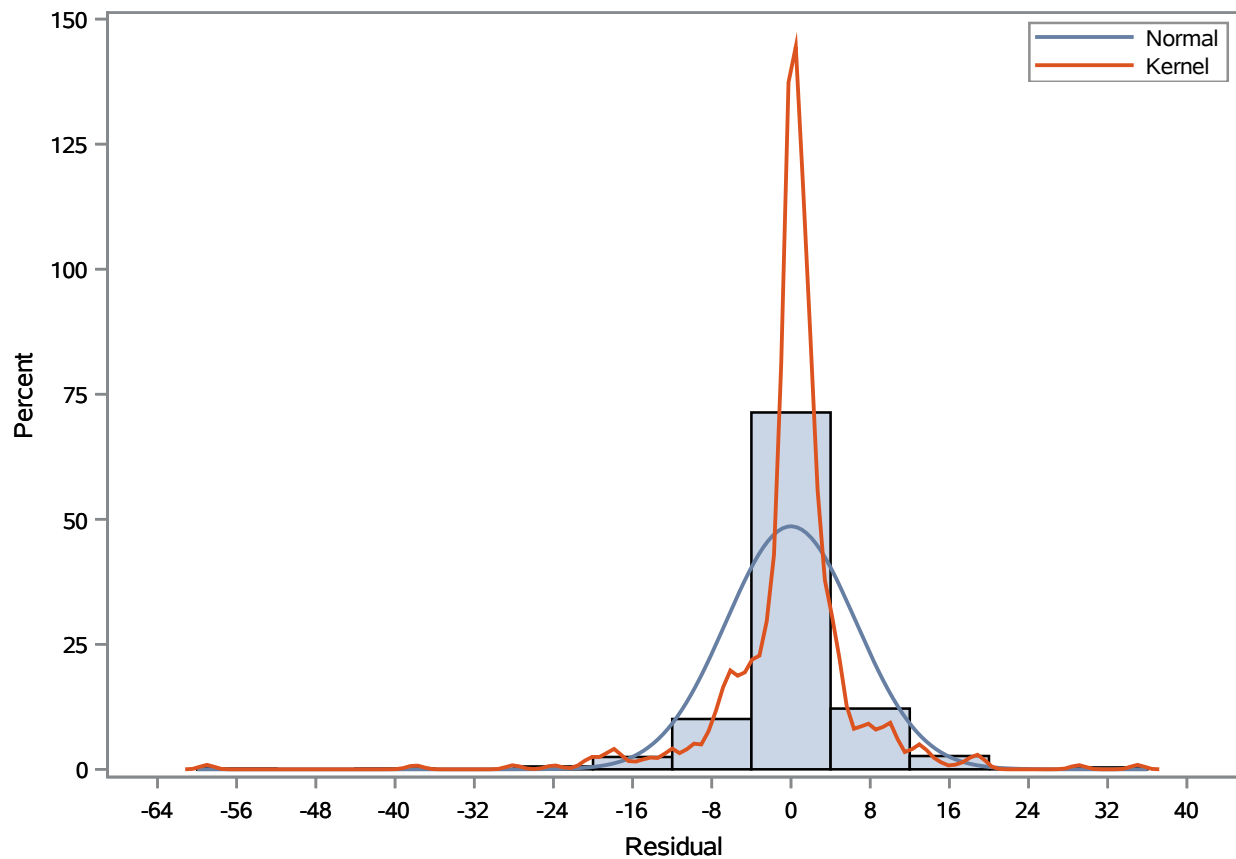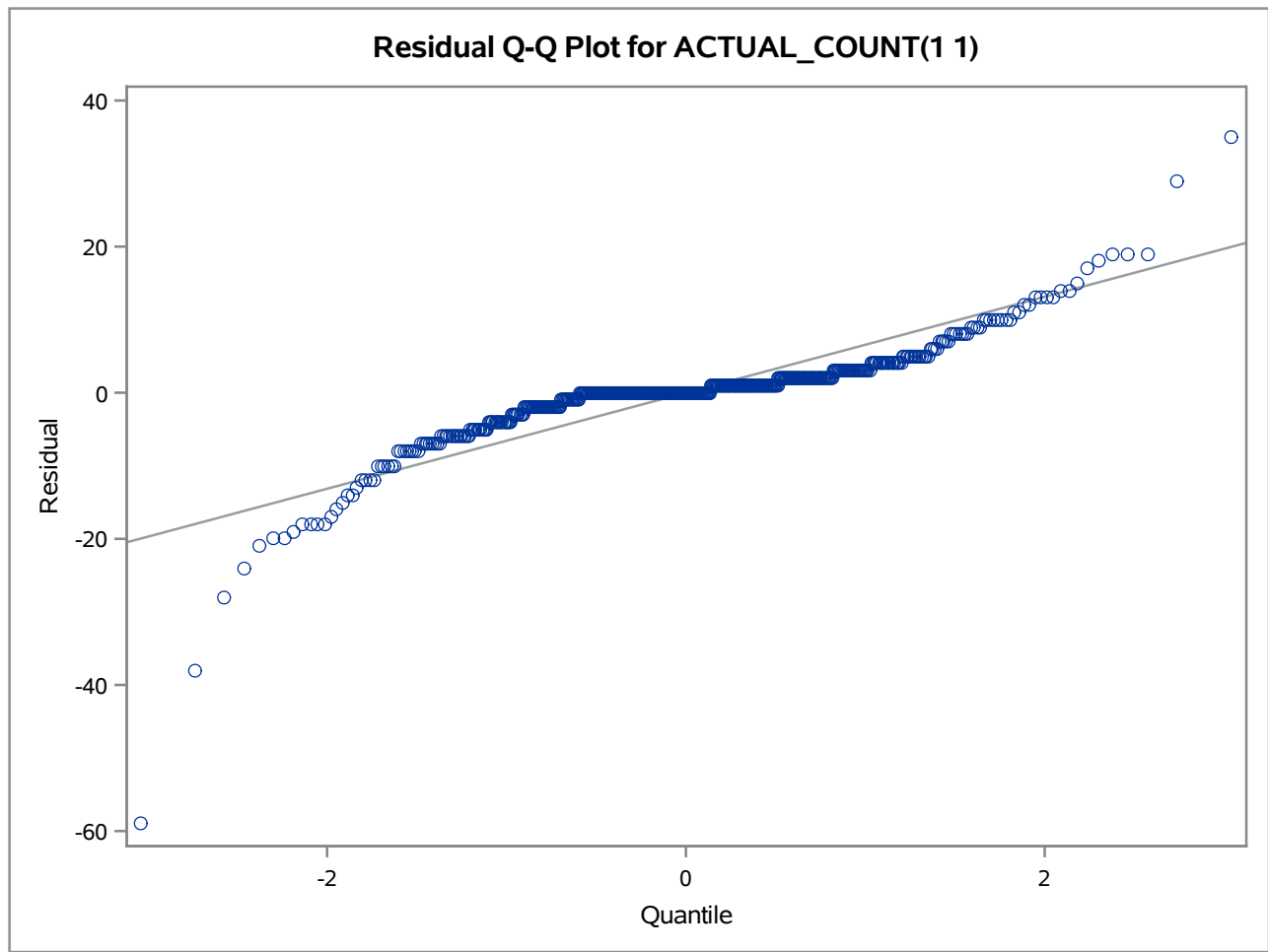
Model for variable ACTUAL_COUNT	
Period(s) of Differencing	1,1

No mean term in this model.

Warning: Observation 2 is out of order according to the ID variable DATA_YEAR.

Warning: Observation 3 is out of order according to the ID variable DATA_YEAR.

Warning: Observation 4 is out of order according to the ID variable DATA_YEAR.

Warning: Observation 5 is out of order according to the ID variable DATA_YEAR.

Warning: Observation 6 is out of order according to the ID variable DATA_YEAR.

Warning: Observation 7 is out of order according to the ID variable DATA_YEAR.

Note: Further warnings will not be printed.

	Forecasts for variable ACTUAL_COUNT			
Obs	**Forecast**	**Std Error**	**95% Confidence Limits**	
530	-1.0000	6.5626	-13.8625	11.8625
531	-3.0000	14.6745	-31.7615	25.7615
532	-5.0000	24.5552	-53.1272	43.1272
533	-7.0000	35.9451	-77.4511	63.4511
534	-9.0000	48.6699	-104.3912	86.3912

Forecasts for variable ACTUAL_COUNT				
Obs	Forecast	Std Error	95% Confidence Limits	
535	-11.0000	62.6036	-133.7009	111.7009
536	-13.0000	77.6503	-165.1917	139.1917
537	-15.0000	93.7333	-198.7139	168.7139
538	-17.0000	110.7902	-234.1448	200.1448
539	-19.0000	128.7684	-271.3814	233.3814
540	-21.0000	147.6231	-310.3359	268.3359
541	-23.0000	167.3153	-350.9319	304.9319

Forecasts for ACTUAL_COUNT
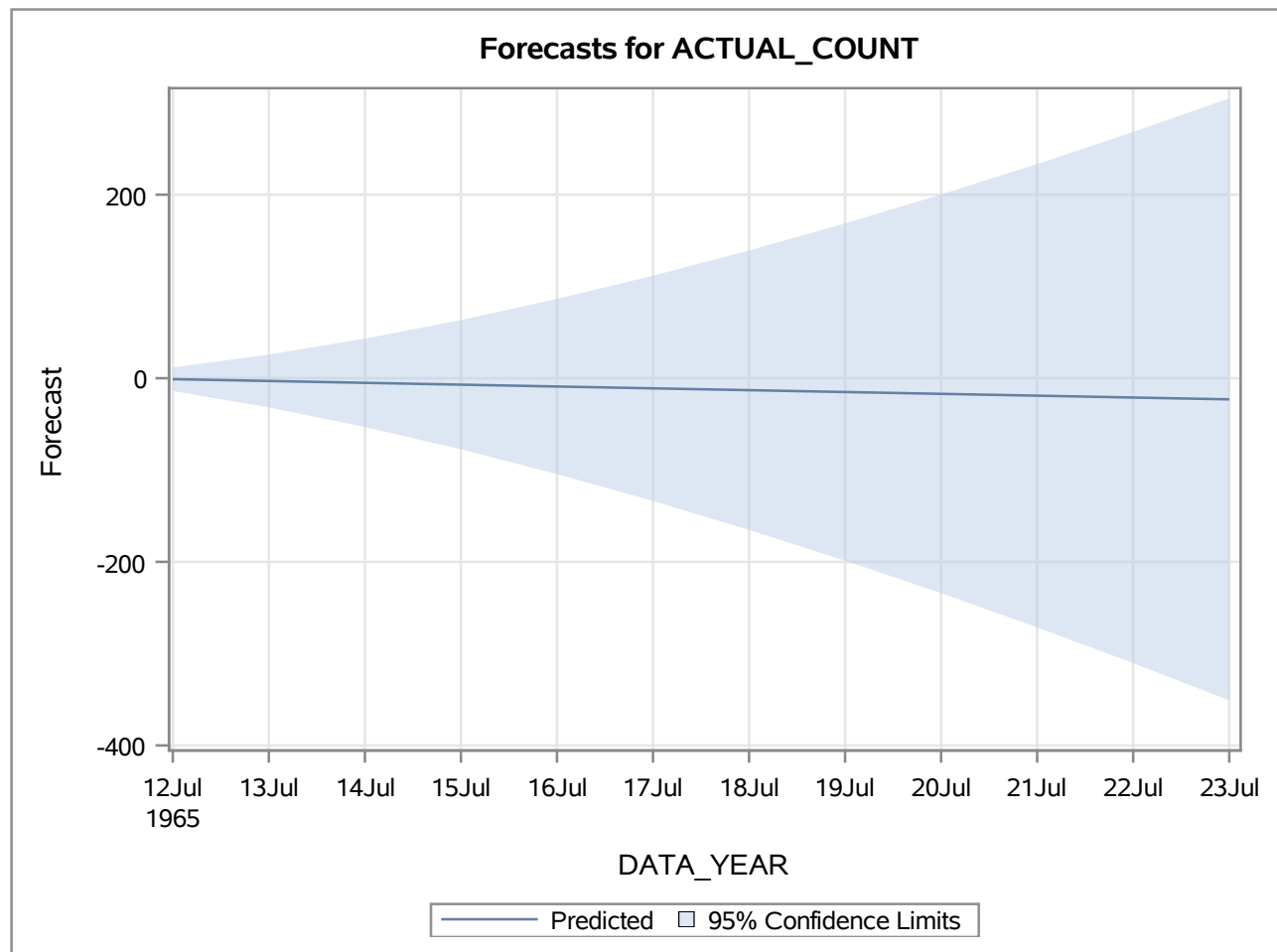
Outlier Detection Summary	
Maximum number searched	5
Number found	5
Significance used	0.05

Outlier Details				
Obs	**Type**	**Estimate**	**Chi-Square**	**Approx Prob>ChiSq**
379	Additive	30.33333	621.67	<.0001
241	Additive	19.00000	243.91	<.0001
130	Additive	14.16667	135.60	<.0001
165	Additive	12.66667	108.40	<.0001
174	Additive	-12.50000	105.57	<.0001