Name of Variable = kW_Gen	
Mean of Working Series	0.511078
Standard Deviation	0.179364
Number of Observations	42

Autocorrelation Check for White Noise									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	81.65	6	<.0001	0.709	0.648	0.519	0.460	0.412	0.396

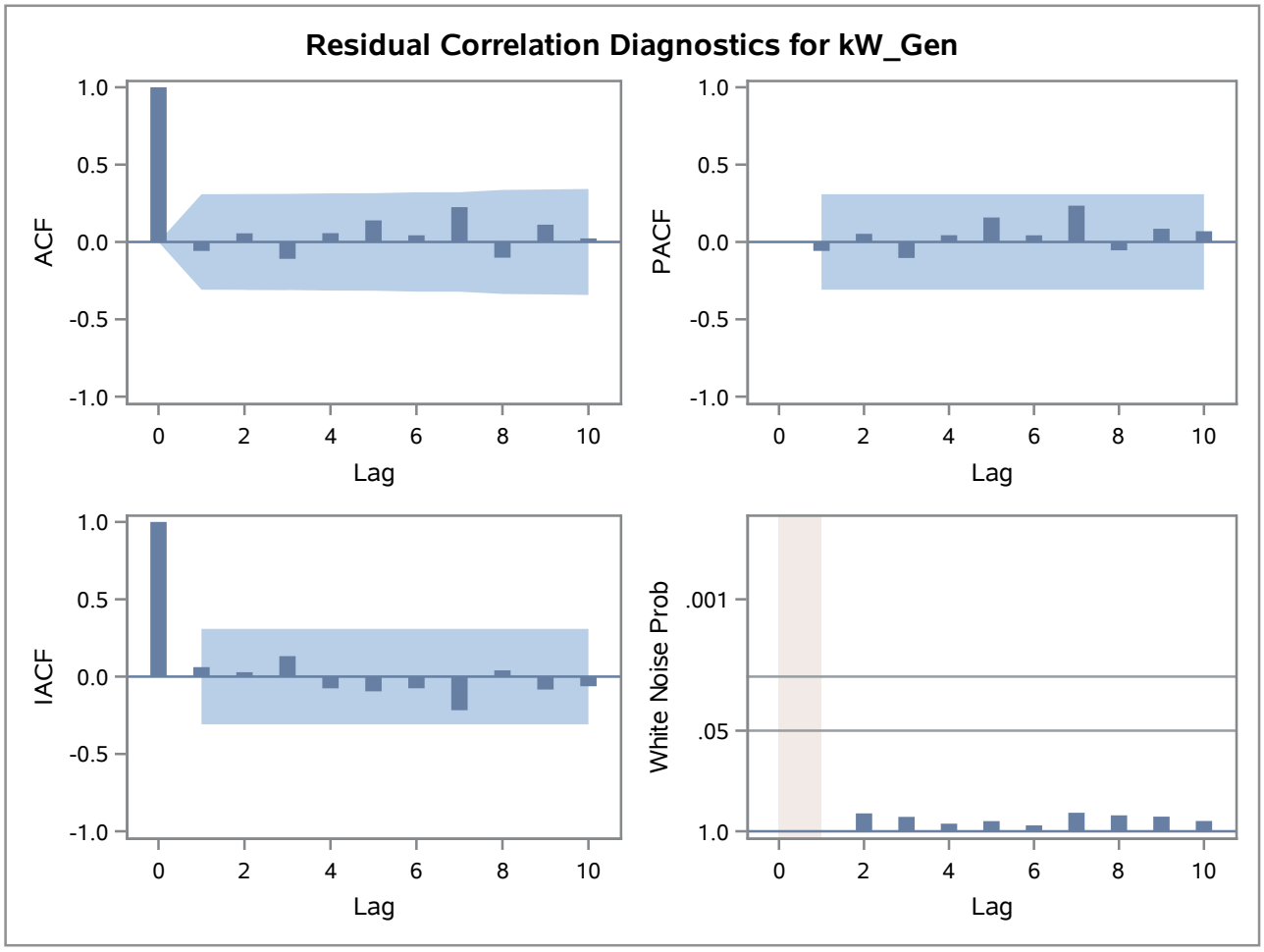
Correlation of kW_Gen and Cloud_Cover	
Variance of input =	0.775925
Number of Observations	42

Maximum Likelihood Estimation							
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag	Variable	Shift
MU	1.00001	0.08901	11.23	<.0001	0	kW_Gen	0
AR1,1	0.86587	0.07766	11.15	<.0001	1	kW_Gen	0
NUM1	-0.09061	0.0096050	-9.43	<.0001	0	Cloud_Cover	0

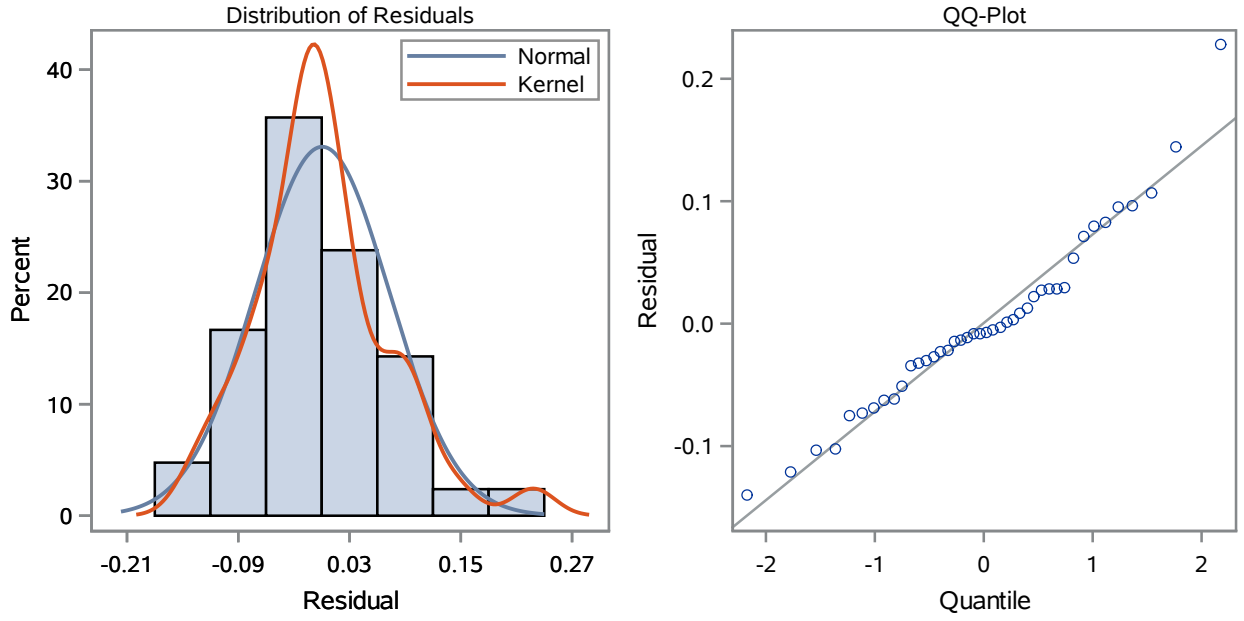
Constant Estimate	0.134134
Variance Estimate	0.005503
Std Error Estimate	0.074179
AIC	-95.0433
SBC	-89.8303
Number of Residuals	42

Correlations of Parameter Estimates				
Variable	Parameter	kW_Gen MU	kW_Gen AR1,1	Cloud_Cover NUM1
kW_Gen	MU	1.000	0.103	-0.553
kW_Gen	AR1,1	0.103	1.000	0.033
Cloud_Cover	NUM1	-0.553	0.033	1.000

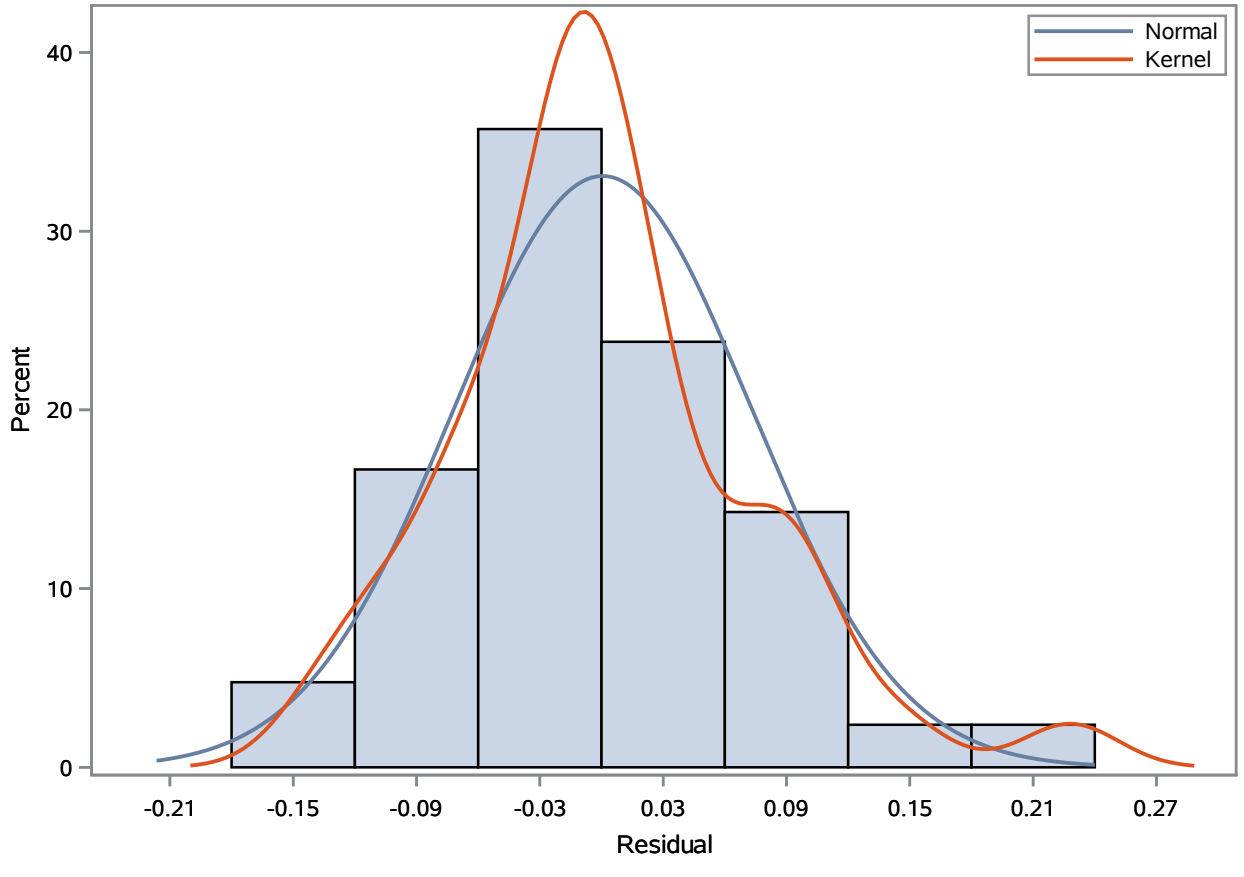
Autocorrelation Check of Residuals									
To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	2.08	5	0.8379	-0.058	0.056	-0.109	0.057	0.139	0.043
12	7.16	11	0.7860	0.225	-0.101	0.112	0.024	-0.116	-0.071
18	14.98	17	0.5970	0.029	0.121	-0.006	-0.202	-0.212	0.086
24	16.33	23	0.8406	-0.033	0.030	-0.016	-0.051	-0.088	-0.040

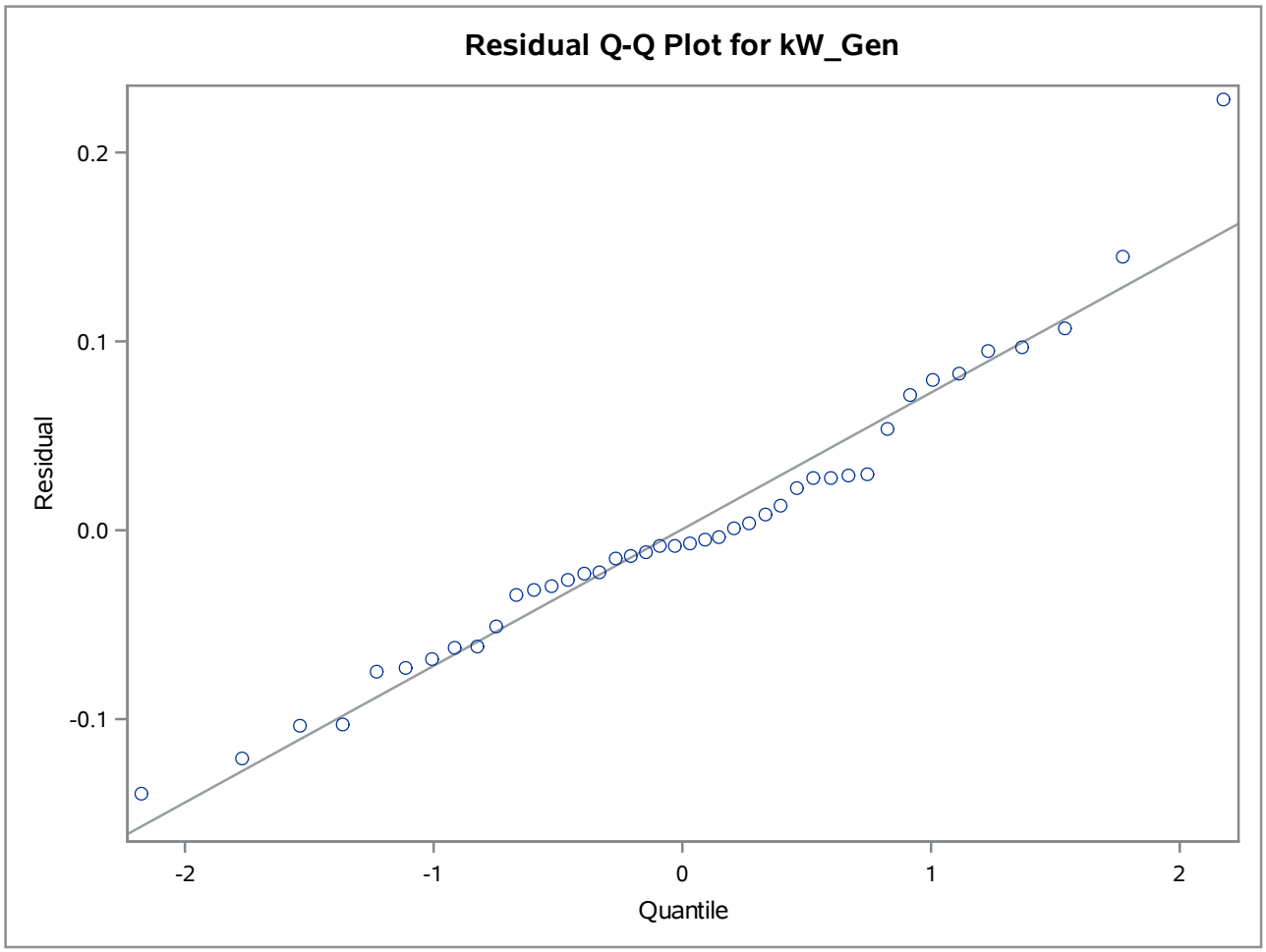


Residual Normality Diagnostics for kW_Gen



Distribution of Residuals for kW_Gen





Model for variable kW_Gen	
Estimated Intercept	1.000009

Autoregressive Factors	
Factor 1:	1 - 0.86587 B**(1)

Input Number 1	
Input Variable	Cloud_Cover
Overall Regression Factor	-0.09061

Warning: Unless PRINTALL is specified along with the options given in the current FORECAST statement, the FORECAST statement will do nothing.