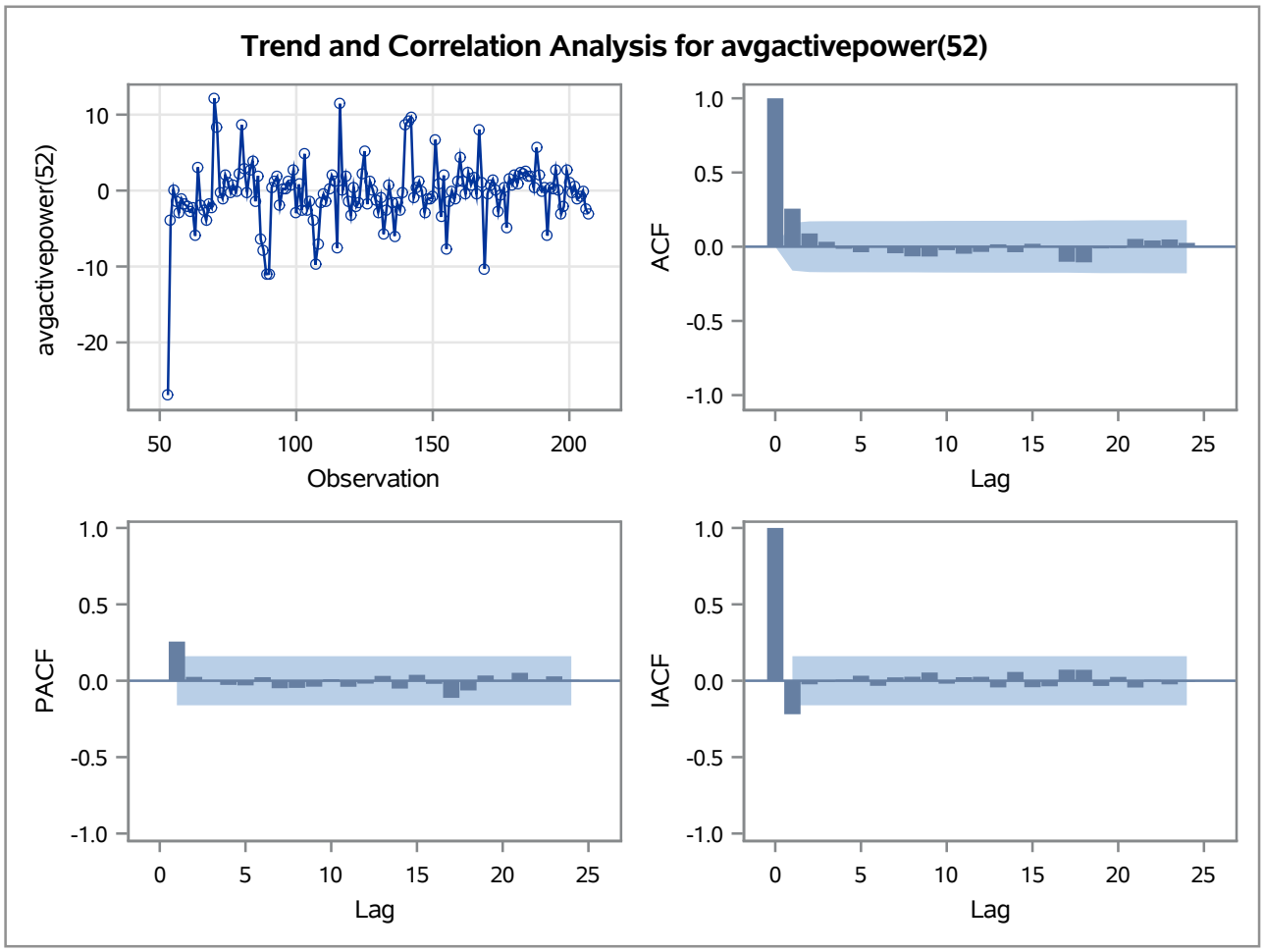
| Name of Variable = avgactivepower | |
|---|---|
| **Period(s) of Differencing** | 52 |
| **Mean of Working Series** | -0.36141 |
| **Standard Deviation** | 4.311193 |
| **Number of Observations** | 155 |
| **Observation(s) eliminated by differencing** | 52 |

| Autocorrelation Check for White Noise | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **To Lag** | **Chi-Square** | **DF** | **Pr > ChiSq** | **Autocorrelations** | | | | | |
| **6** | 12.10 | 6 | 0.0599 | 0.256 | 0.089 | 0.033 | -0.014 | -0.037 | 0.003 |
| **12** | 14.52 | 12 | 0.2689 | -0.044 | -0.065 | -0.066 | -0.023 | -0.047 | -0.035 |
| **18** | 18.64 | 18 | 0.4145 | 0.016 | -0.037 | 0.020 | 0.002 | -0.101 | -0.105 |
| **24** | 20.07 | 24 | 0.6926 | -0.012 | -0.009 | 0.052 | 0.042 | 0.049 | 0.026 |

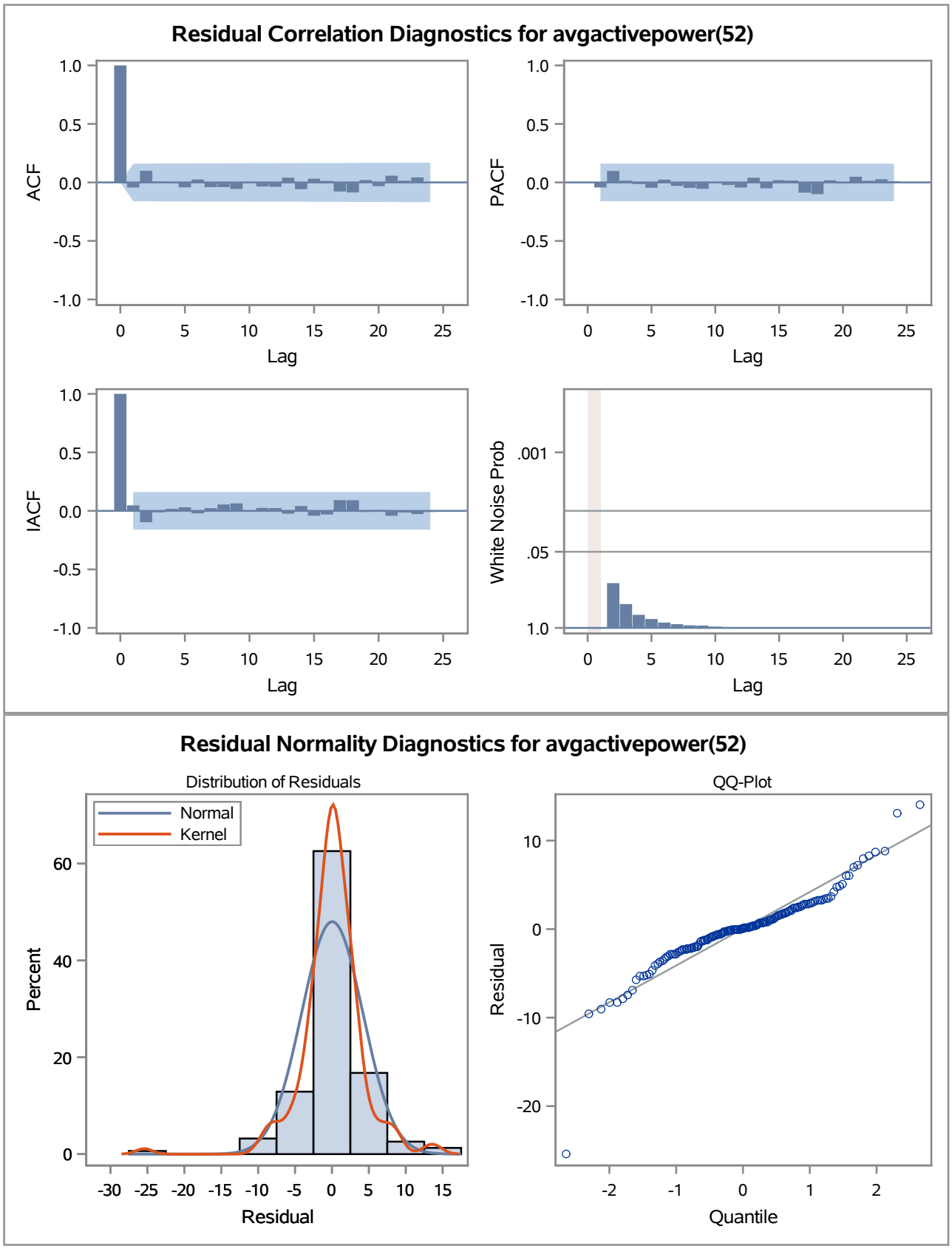


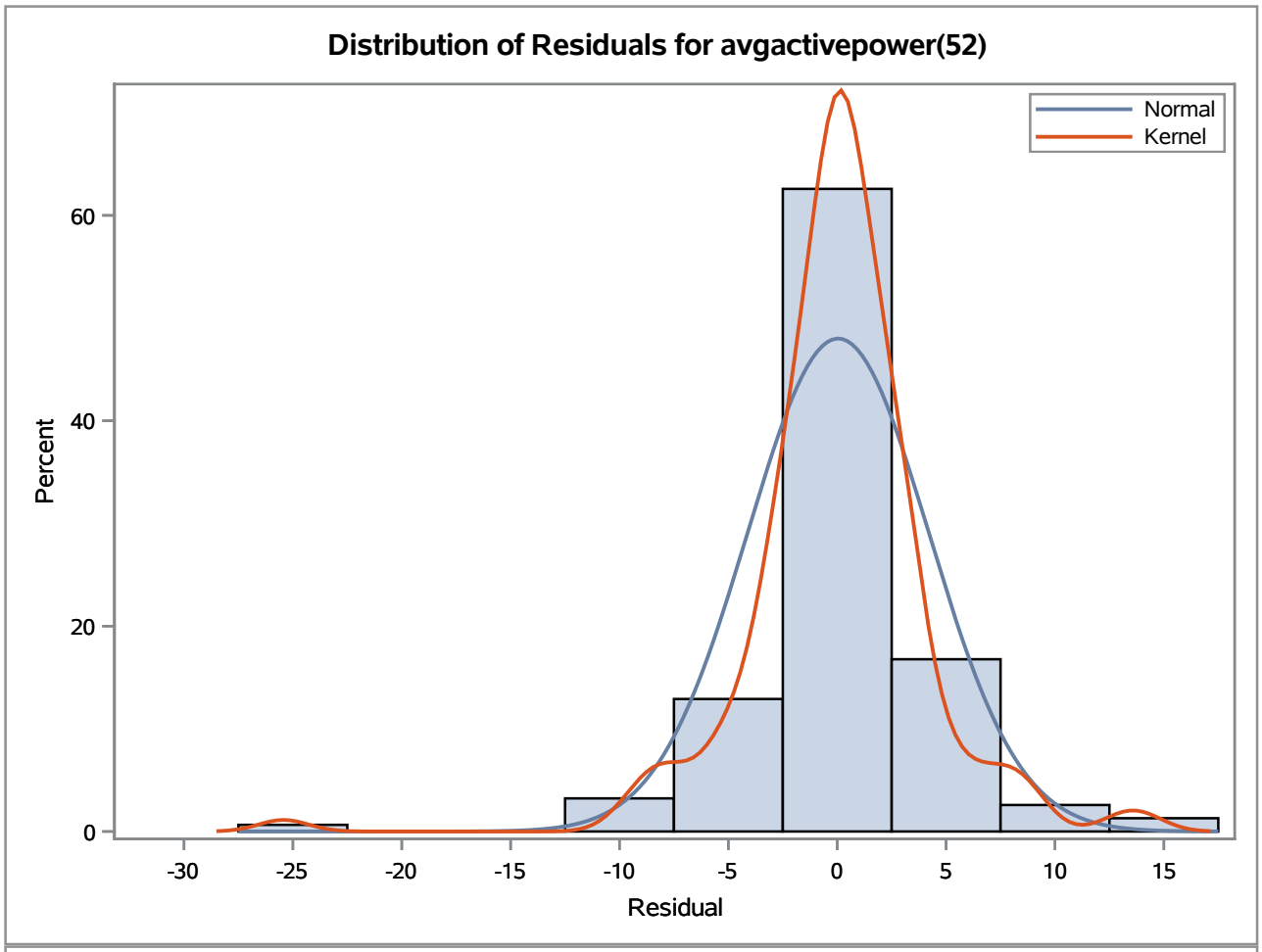

| Maximum Likelihood Estimation | | | | | |
|---|---|---|---|---|---|
| **Parameter** | **Estimate** | **Standard Error** | **t Value** | **Approx Pr > \|t\|** | **Lag** |
| **MU** | -0.41407 | 0.43363 | -0.95 | 0.3396 | 0 |
| **MA1,1** | -0.29733 | 0.07865 | -3.78 | 0.0002 | 1 |

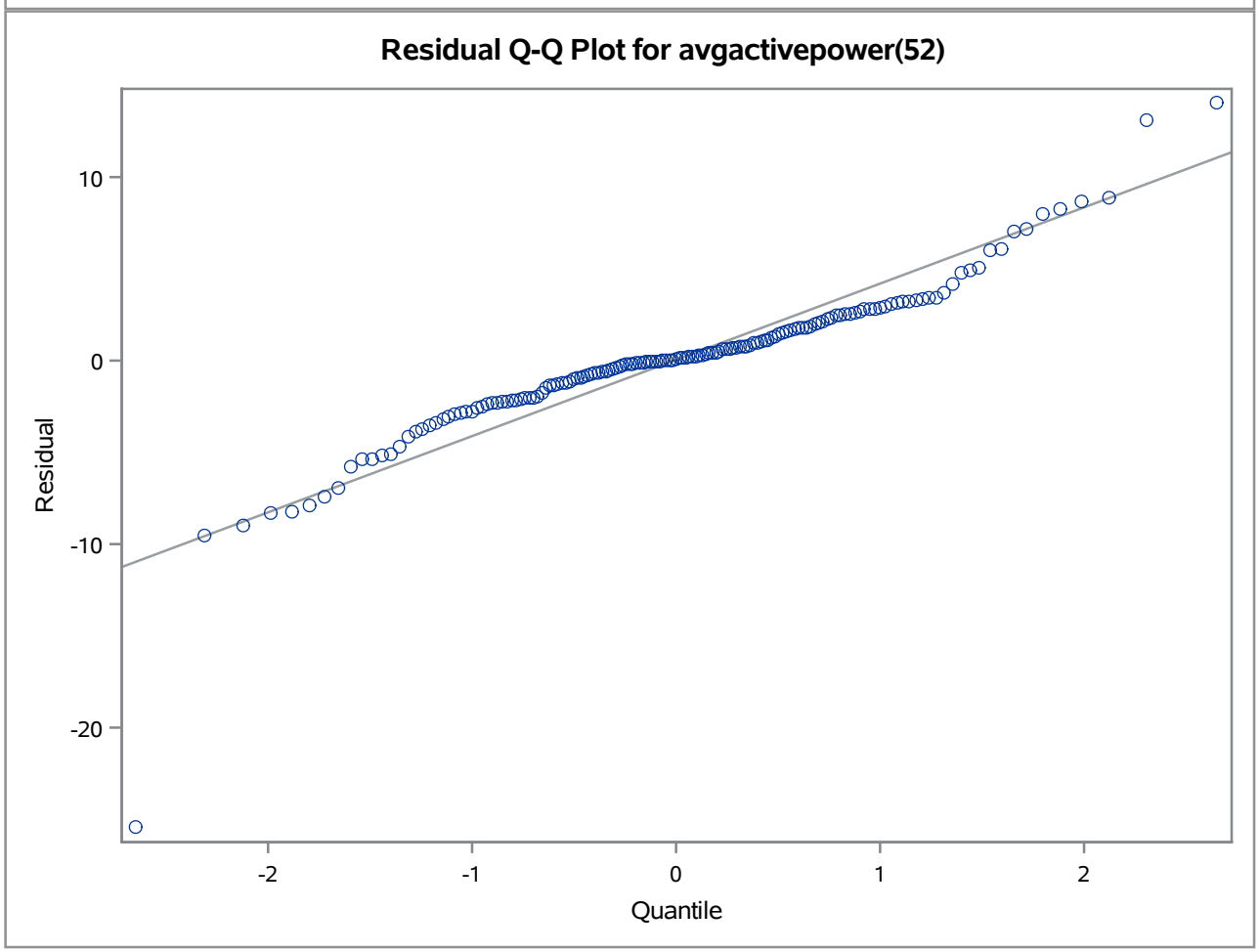
| | |
|---|---|
| **Constant Estimate** | -0.41407 |
| **Variance Estimate** | 17.37986 |
| **Std Error Estimate** | 4.168916 |
| **AIC** | 884.5239 |
| **SBC** | 890.6107 |
| **Number of Residuals** | 155 |

| Correlations of Parameter Estimates | | |
|---|---|---|
| **Parameter** | **MU** | **MA1,1** |
| **MU** | 1.000 | 0.004 |
| **MA1,1** | 0.004 | 1.000 |

| Autocorrelation Check of Residuals | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **To Lag** | **Chi-Square** | **DF** | **Pr > ChiSq** | **Autocorrelations** | | | | | |
| **6** | 2.28 | 5 | 0.8097 | -0.043 | 0.100 | 0.008 | -0.004 | -0.042 | 0.026 |
| **12** | 3.71 | 11 | 0.9777 | -0.040 | -0.039 | -0.055 | -0.000 | -0.034 | -0.036 |
| **18** | 7.10 | 17 | 0.9822 | 0.042 | -0.057 | 0.032 | 0.014 | -0.077 | -0.085 |
| **24** | 8.35 | 23 | 0.9977 | 0.021 | -0.031 | 0.058 | 0.015 | 0.043 | 0.005 |
| **30** | 12.86 | 29 | 0.9958 | 0.033 | 0.035 | -0.140 | 0.016 | -0.039 | 0.004 |


Residual Correlation Diagnostics for avgactivepower(52)
ACF
PACF
IACF
White Noise Prob
Lag
Residual Normality Diagnostics for avgactivepower(52)
Distribution of Residuals
Normal
Kernel
Percent
Residual
QQ-Plot
Residual
Quantile

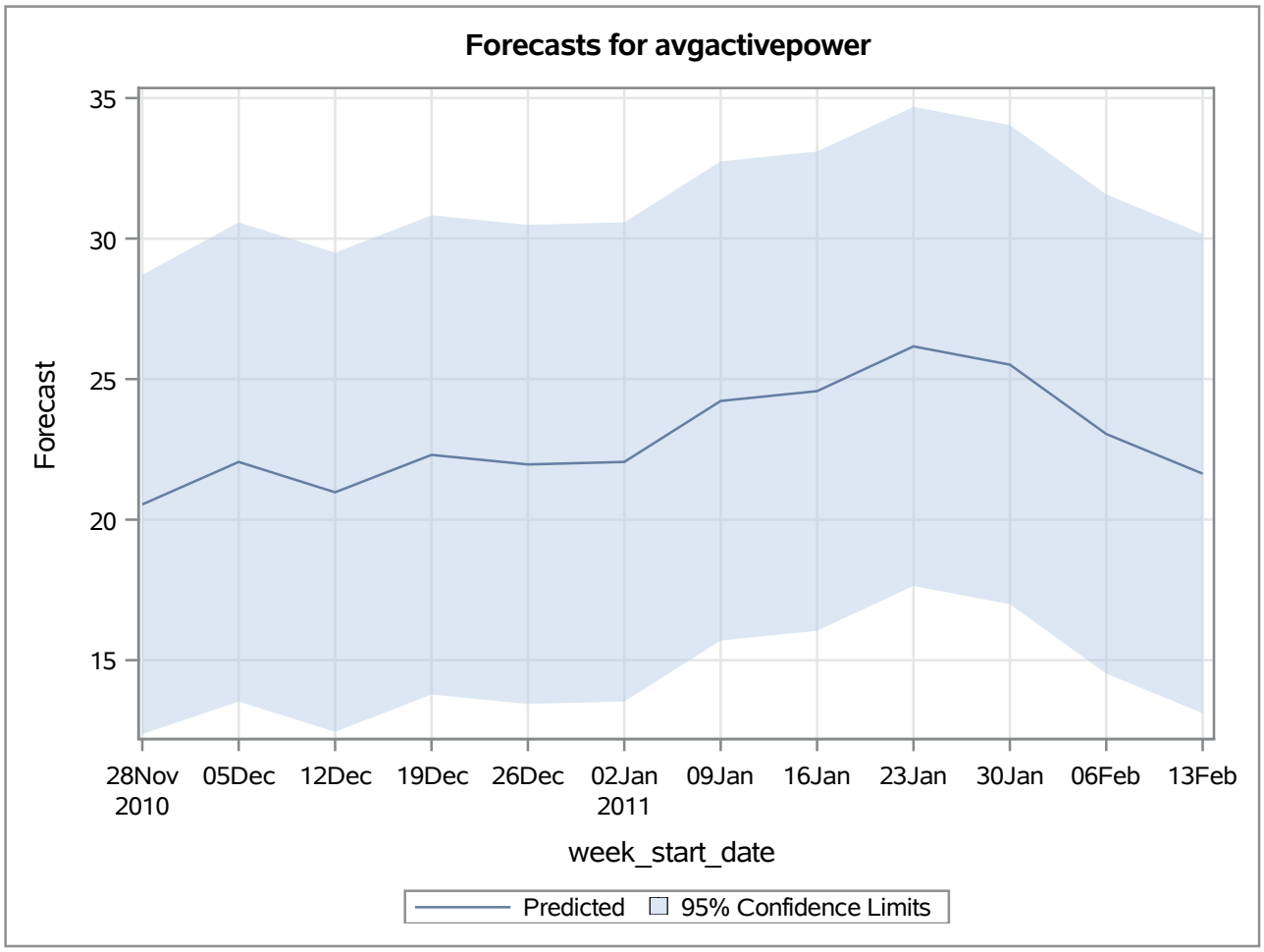

Distribution of Residuals for avgactivepower(52)
Normal
Kernel
Percent
60
40
20
0
-30
-25
-20
-15
-10
-5
0
5
10
15
Residual


Residual Q-Q Plot for avgactivepower(52)
Residual
10
0
-10
-20
-2
-1
0
1
2
Quantile

| Model for variable avgactivepower | |
|---|---|
| Estimated Mean | -0.41407 |
| Period(s) of Differencing | 52 |

| Moving Average Factors | |
|---|---|
| Factor 1: | 1 + 0.29733 B**(1) |

| Forecasts for variable avgactivepower | | | | |
|---|---|---|---|---|
| Obs | Forecast | Std Error | 95% Confidence Limits | |
| 208 | 20.5407 | 4.1689 | 12.3698 | 28.7117 |
| 209 | 22.0528 | 4.3493 | 13.5284 | 30.5773 |
| 210 | 20.9730 | 4.3493 | 12.4485 | 29.4974 |
| 211 | 22.3034 | 4.3493 | 13.7789 | 30.8278 |
| 212 | 21.9651 | 4.3493 | 13.4407 | 30.4896 |
| 213 | 22.0530 | 4.3493 | 13.5286 | 30.5775 |
| 214 | 24.2228 | 4.3493 | 15.6983 | 32.7473 |
| 215 | 24.5717 | 4.3493 | 16.0472 | 33.0961 |
| 216 | 26.1639 | 4.3493 | 17.6394 | 34.6883 |
| 217 | 25.5144 | 4.3493 | 16.9900 | 34.0389 |
| 218 | 23.0468 | 4.3493 | 14.5224 | 31.5713 |
| 219 | 21.6361 | 4.3493 | 13.1116 | 30.1605 |




| Outlier Detection Summary | |
|---|---|
| **Maximum number searched** | 5 |
| **Number found** | 5 |
| **Significance used** | 0.05 |

**Outlier Details**

| Obs | Type | Estimate | Chi-Square | Approx Prob>ChiSq |
|---|---|---|---|---|
| **1** | Additive | 25.41357 | 74.09 | <.0001 |
| **115** | Additive | -9.17215 | 24.58 | <.0001 |
| **90** | Additive | -8.10323 | 19.85 | <.0001 |
| **18** | Additive | -10.51971 | 19.29 | <.0001 |
| **89** | Additive | -7.29599 | 17.45 | <.0001 |