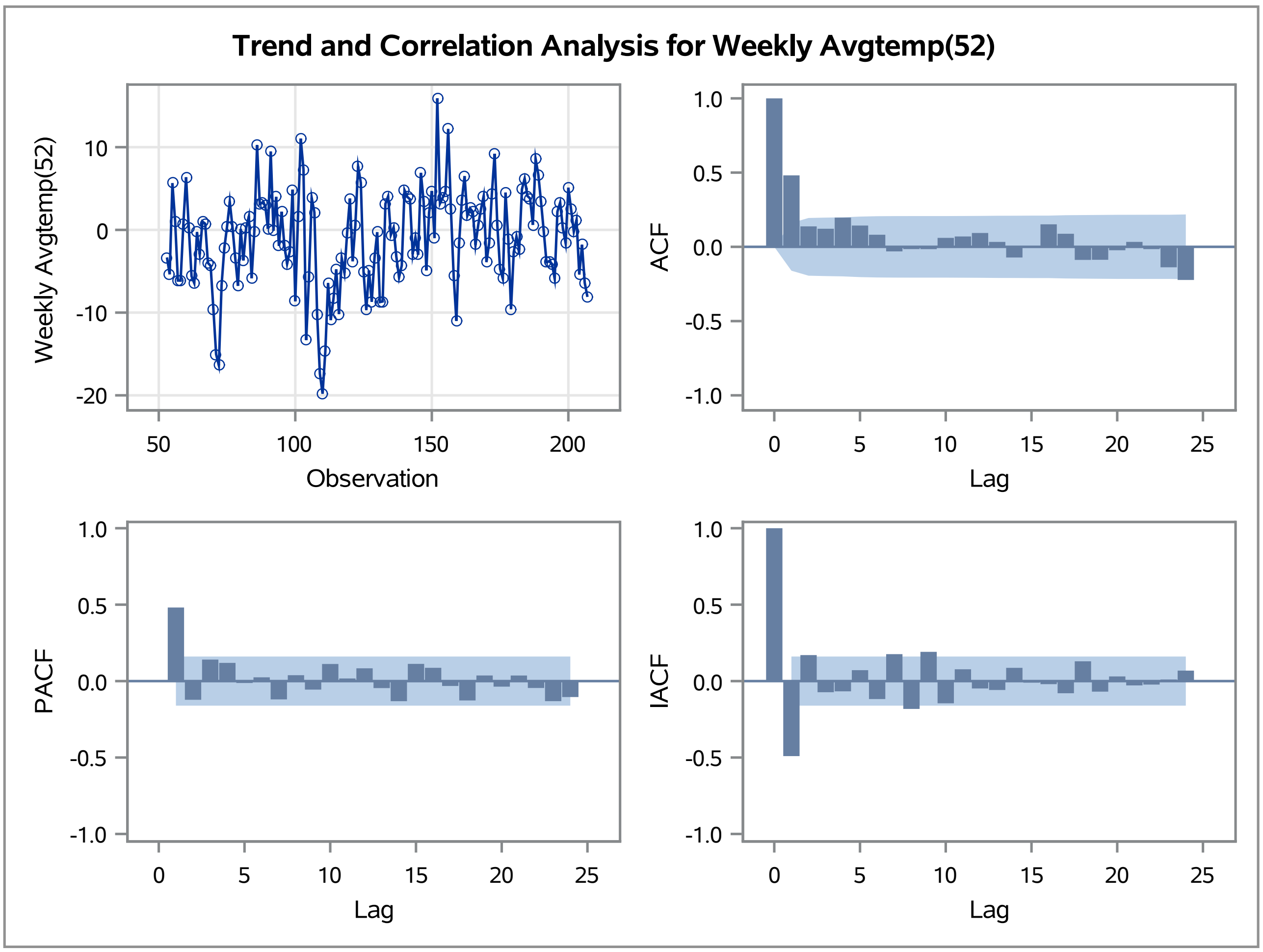
Name of Variable = Weekly Avgtemp	
Period(s) of Differencing	52
Mean of Working Series	-1.01703
Standard Deviation	5.886649
Number of Observations	155
Observation(s) eliminated by differencing	52

Autocorrelation Check for White Noise

To Lag	Chi-Square	DF	Pr > ChiSq	Autocorrelations					
6	52.66	6	<.0001	0.481	0.138	0.122	0.197	0.143	0.082
12	55.82	12	<.0001	-0.031	-0.015	-0.015	0.060	0.070	0.093
18	63.66	18	<.0001	0.033	-0.072	0.004	0.152	0.088	-0.088
24	78.10	24	<.0001	-0.087	-0.023	0.033	-0.015	-0.138	-0.223



Warning: Estimates did not improve after a ridge was encountered in the objective function. The iteration process has been terminated.

Warning: Estimates may not have converged.

ARIMA Estimation Optimization Summary	
Estimation Method	Maximum Likelihood
Parameters Estimated	5
Termination Criteria	Maximum Relative Change in Estimates
Iteration Stopping Value	0.001
Criteria Value	2.62E-15
Maximum Absolute Value of Gradient	1.443843
R-Square Change from Last Iteration	0.001065
Objective Function	Log Gaussian Likelihood
Objective Function Value	-470.717
Marquardt's Lambda Coefficient	1E12
Numerical Derivative Perturbation Delta	0.001
Iterations	18
Warning Message	Estimates may not have converged.

Maximum Likelihood Estimation

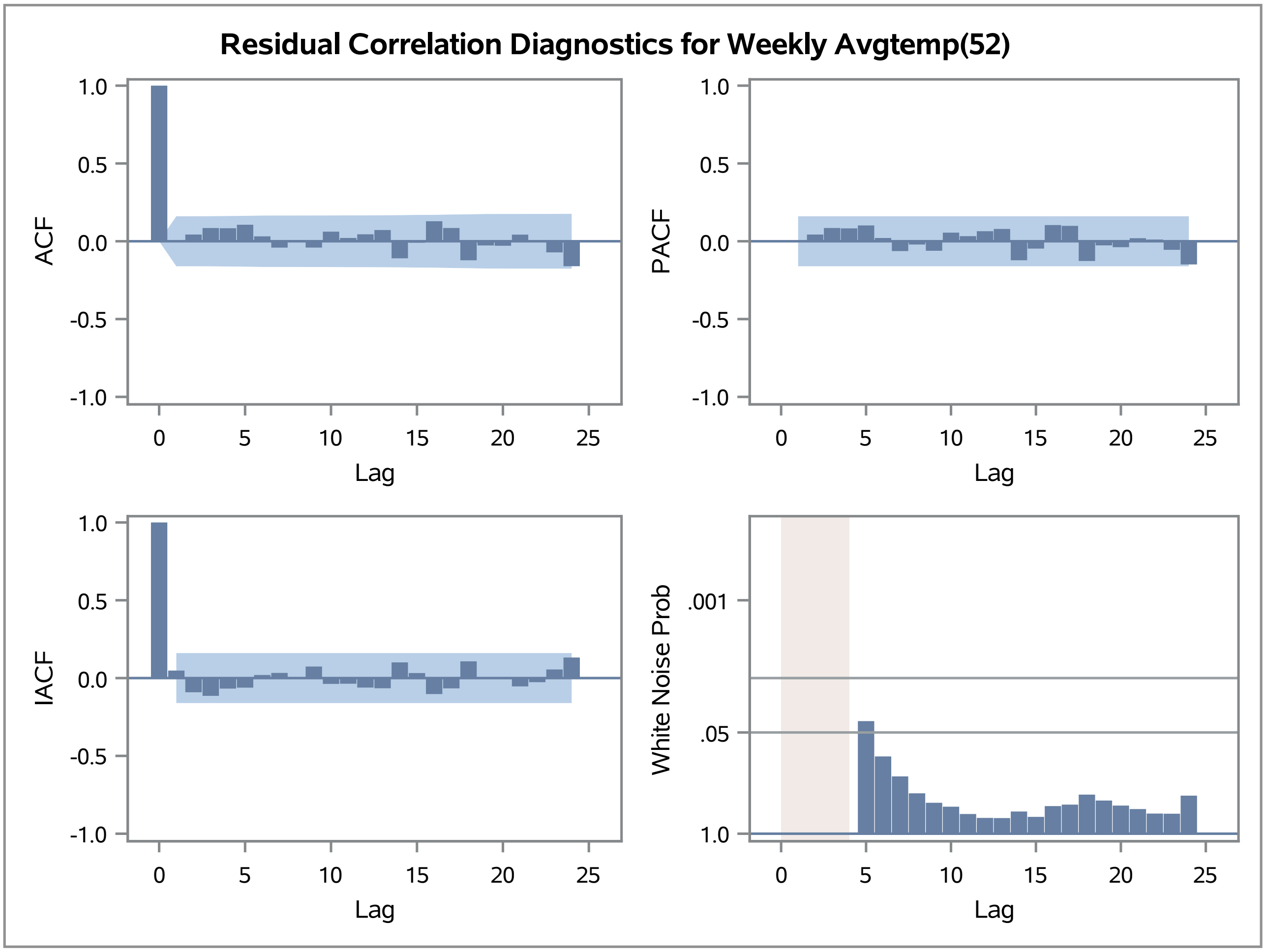
Parameter	Estimate	Standard Error	t Value	Approx Pr > |t|	Lag
MU	-1.03047	0.67768	-1.52	0.1284	0
MA1,1	-1.39518	0.13588	-10.27	<.0001	1
MA1,2	-0.52518	0.11976	-4.39	<.0001	2
AR1,1	-0.80661	0.15617	-5.16	<.0001	1
AR1,2	0.04302	0.14952	0.29	0.7736	2

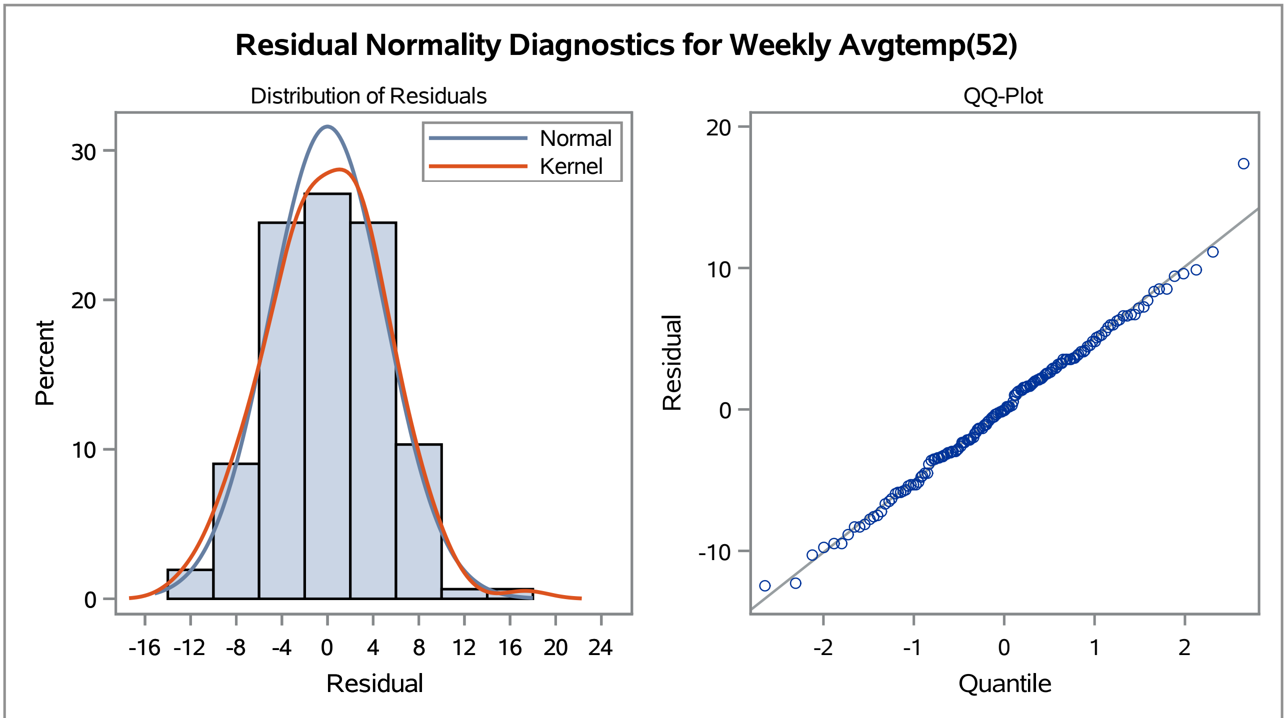
Constant Estimate	-1.81733
Variance Estimate	26.18867
Std Error Estimate	5.117487
AIC	951.4333
SBC	966.6504
Number of Residuals	155

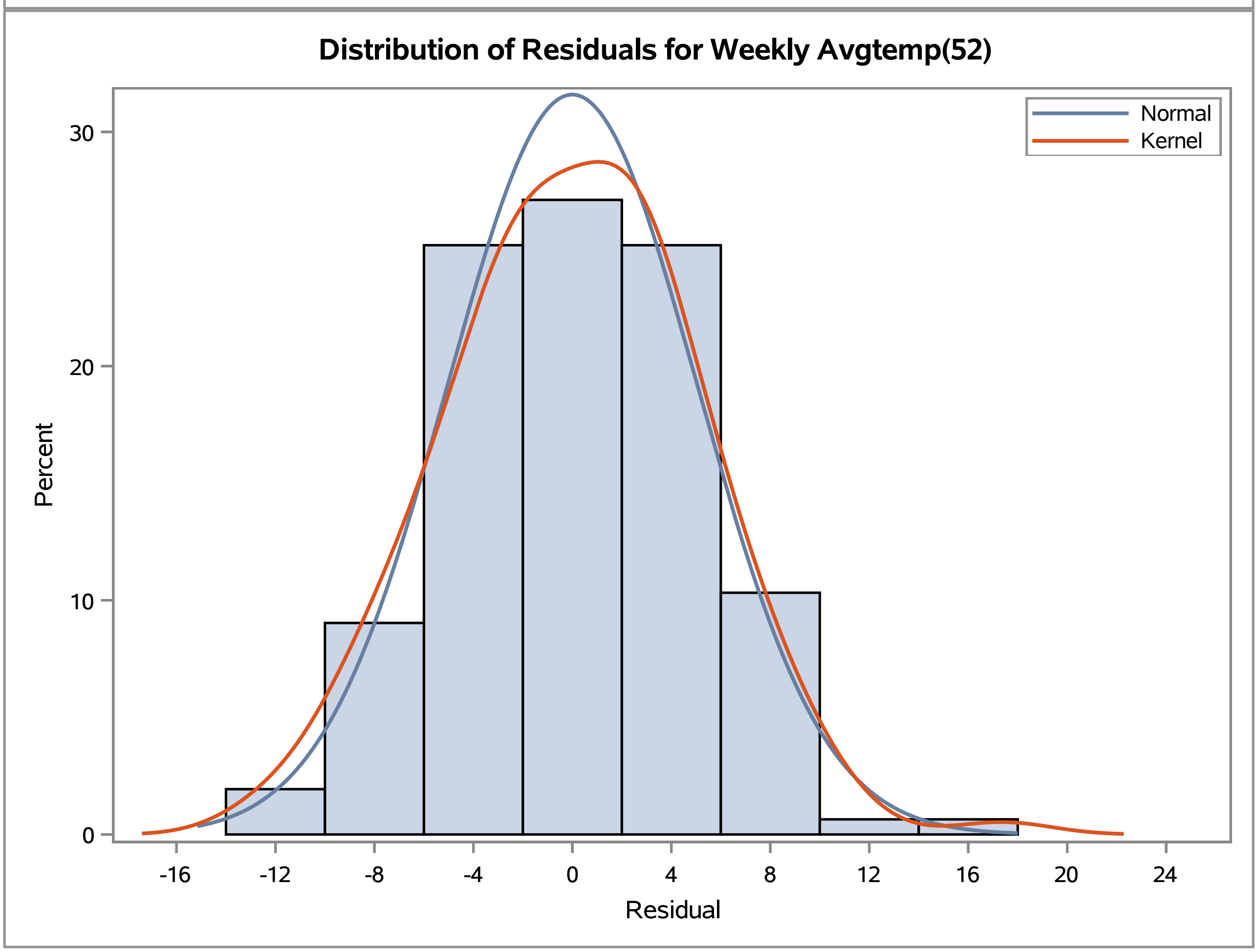
Correlations of Parameter Estimates

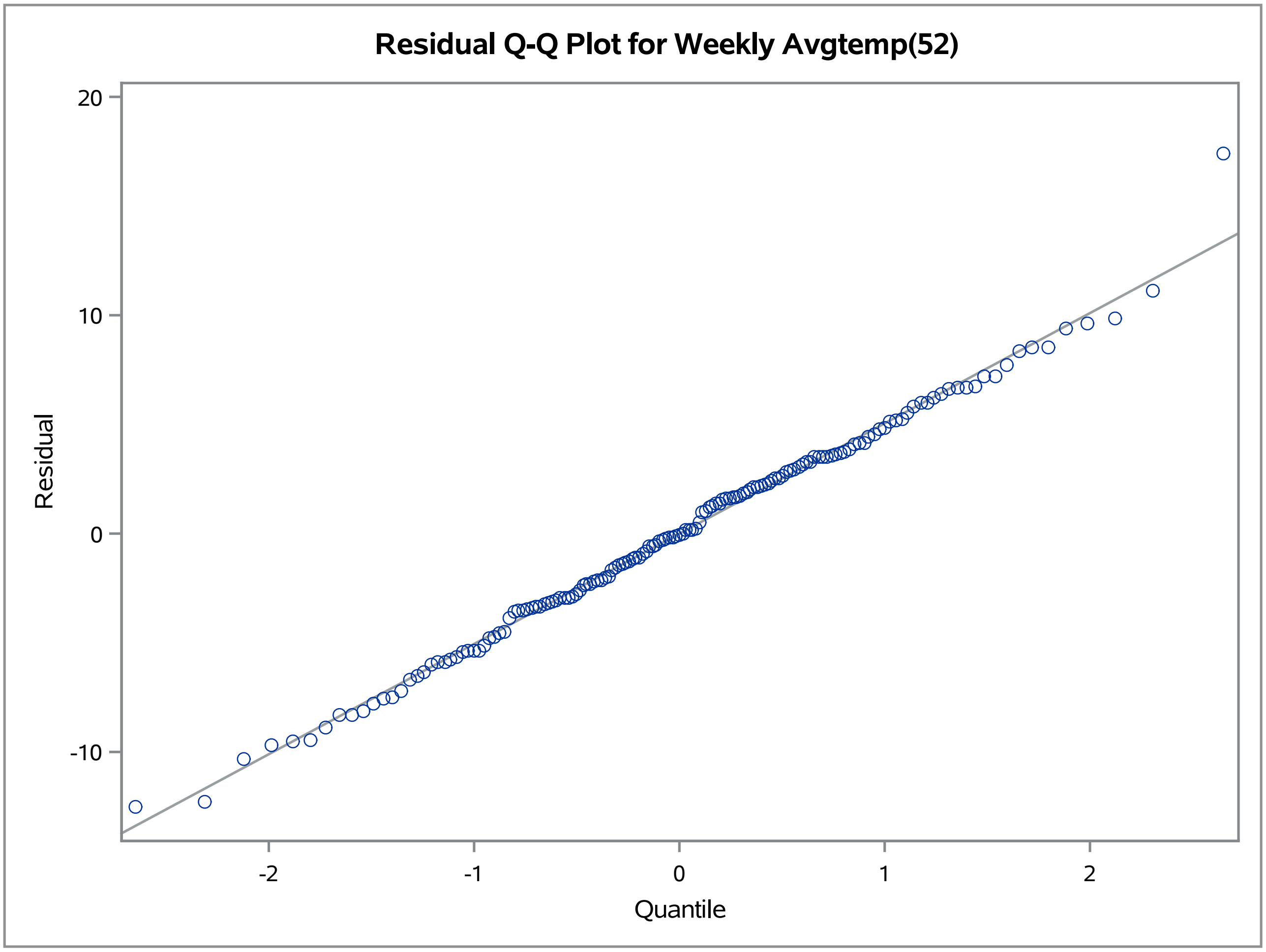
Parameter	MU	MA1,1	MA1,2	AR1,1	AR1,2
MU	1.000	-0.008	-0.007	-0.008	-0.007
MA1,1	-0.008	1.000	0.760	0.852	0.393
MA1,2	-0.007	0.760	1.000	0.638	0.779
AR1,1	-0.008	0.852	0.638	1.000	0.568
AR1,2	-0.007	0.393	0.779	0.568	1.000

Autocorrelation Check of Residuals									
To Lag	**Chi-Square**	**DF**	**Pr > ChiSq**	**Autocorrelations**					
6	4.57	2	0.1017	0.000	0.043	0.085	0.084	0.106	0.032
12	6.18	8	0.6269	-0.041	0.008	-0.041	0.062	0.021	0.045
18	15.98	14	0.3147	0.072	-0.110	-0.009	0.129	0.085	-0.122
24	22.30	20	0.3242	-0.027	-0.029	0.042	0.007	-0.071	-0.160
30	27.70	26	0.3732	-0.063	-0.047	0.044	0.044	-0.027	-0.132




Residual Normality Diagnostics for Weekly Avgtemp(52)
Distribution of Residuals
Normal
Kernel
Percent
30
20
10
0
-16 -12 -8 -4 0 4 8 12 16 20 24
Residual
QQ-Plot
Residual
20
10
0
-10
-2 -1 0 1 2
Quantile


Distribution of Residuals for Weekly Avgtemp(52)
Normal
Kernel
Percent
30
20
10
0
-16 -12 -8 -4 0 4 8 12 16 20 24
Residual



Model for variable Weekly Avgtemp	
Estimated Mean	-1.03047
Period(s) of Differencing	52

Autoregressive Factors	
Factor 1:	1 + 0.80661 B**(1) - 0.04302 B**(2)

Moving Average Factors	
Factor 1:	1 + 1.39518 B**(1) + 0.52518 B**(2)

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