**ARMA model evidence compilation:**

**Chill**

A graph of a graph with blue lines and dots

Description automatically generatedA graph with blue dots and lines

Description automatically generated

We see that the ACF tails off neatly, while the PACF does not exhibit this behavior. These plots suggest AR(3) or AR(6). This time series was not found to be stationary, however.

**Differenced Chill**

A graph of a line graph

Description automatically generated with medium confidenceA graph with blue dots and lines

Description automatically generated

This series was found to be stationary by KPSS/ADF tests. The tailing-off behavior has been removed after differencing, and the autocorrelations are much smaller.

Since neither plot tails off, these plots suggest MA with q = 1, 5 or 6; AR with p = 1, 2, or 5.

* Apparently the variance of this series is constant.

**Chill Classical Decomposition Residuals**

A graph of a graph with numbers and lines

Description automatically generated with medium confidence A graph with blue lines and dots

Description automatically generated

So the autocorrelation at 1 is certainly significant. Reading into it a little, 5 and 6 may also be significant. These data suggest an MA process with q = 1 or 5.

* Apparently, variance of this time series is constant.

**Wind Speed**

A graph of a graph with blue dots and lines

Description automatically generatedA graph of a graph with blue dots and lines

Description automatically generated with medium confidence

We see tailing-off in ACF but not in PACF. These plots point to AR with p = 3, 4 or 6. This series was determined to be stationary by KPSS/ADF, by the way.

* HETEROSCEDASTIC based on linear time fit at least

**Wind Speed Classical Decomposition Residuals**

A graph of a graph with blue dots and lines

Description automatically generated with medium confidence A graph with blue lines and dots

Description automatically generated

After additive classical decomposition, lag of 3 is clearly significant. With the apparent tailing-off behavior in the PACF plot, these plots suggest an MA process with q = 3.

* This series was NOT FOUND TO HAVE CONSTANT VARIANCE as a heads up