WNV Model EDA Highlights

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Introduction

Selected Density Pots

Overlaid density plots of Tmin and Tmax by station, where the dashed plot is the mean of the station data. Note that both stations cover the same temperature range, this information is not informative of whether or not to retain data from one station over another or to use the mean. This may be informed by plots temparature vs. WNV rates or through the ML feature selection process.
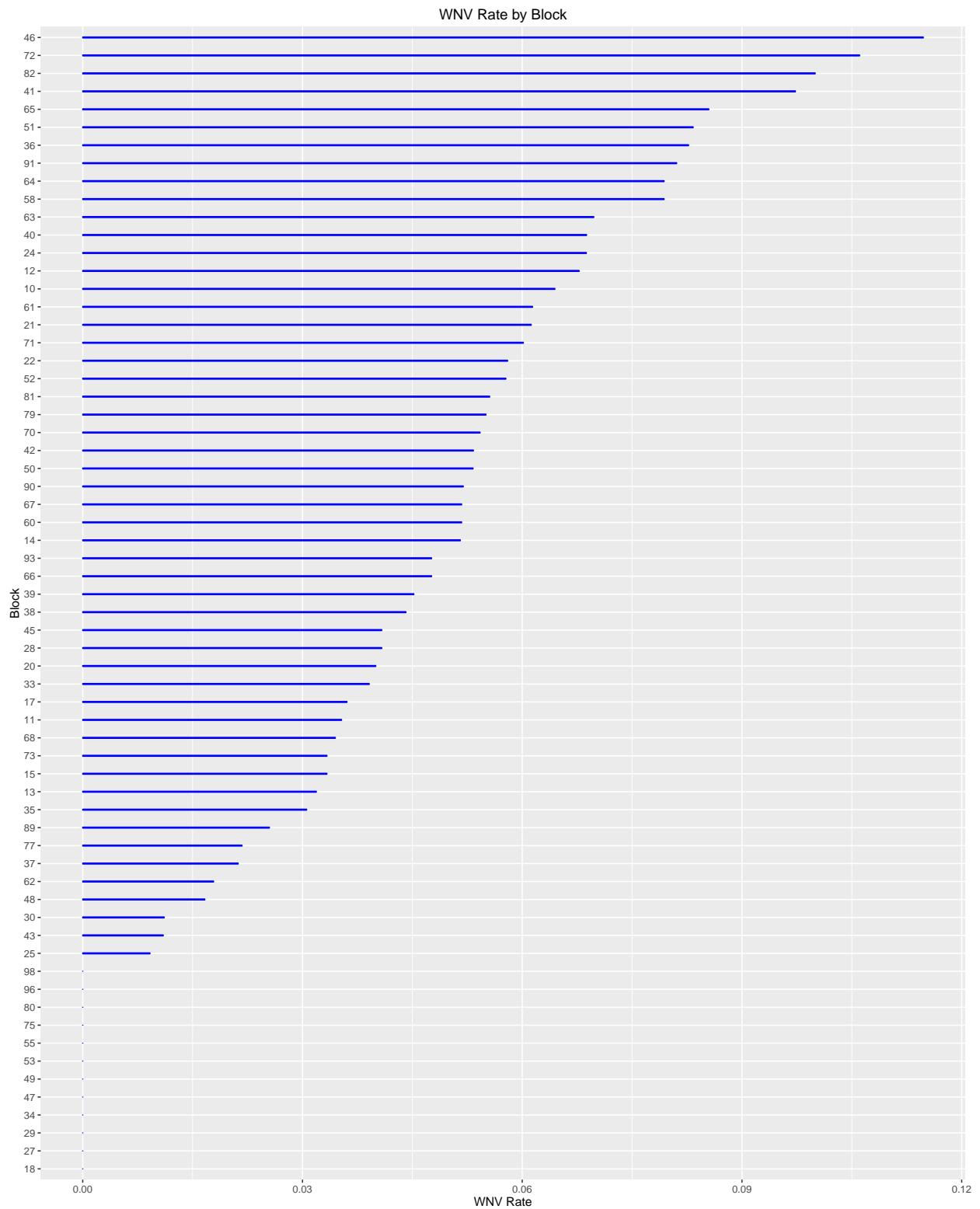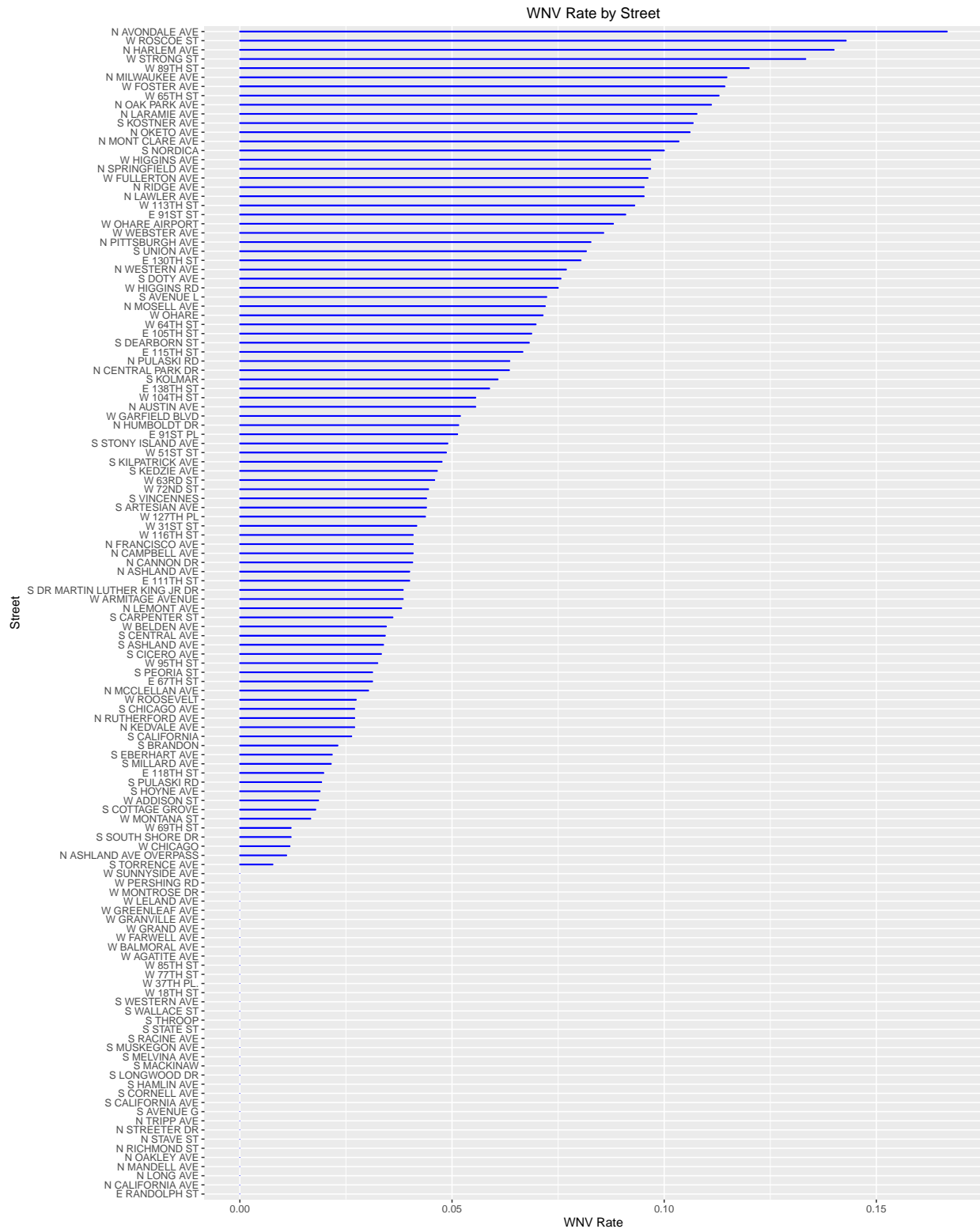
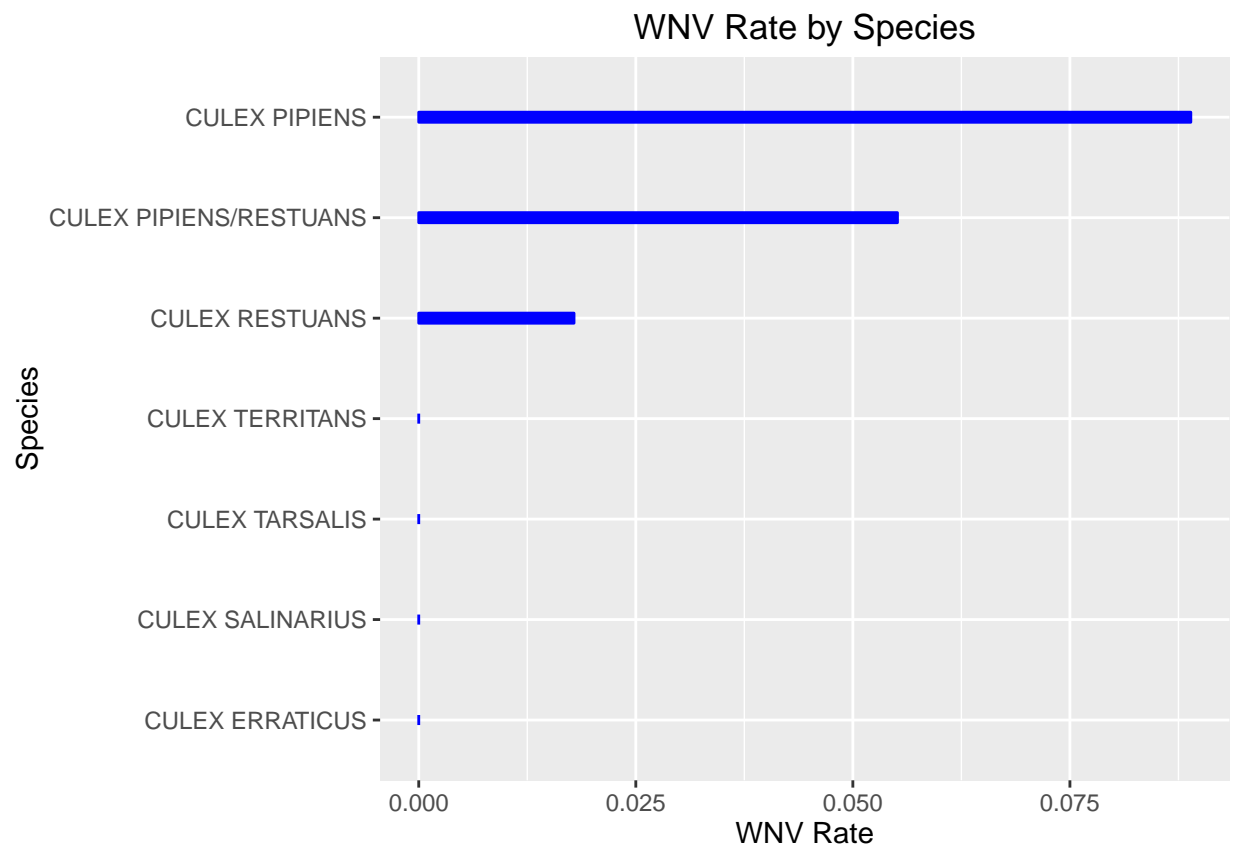# Density Plot of Tmax by Station
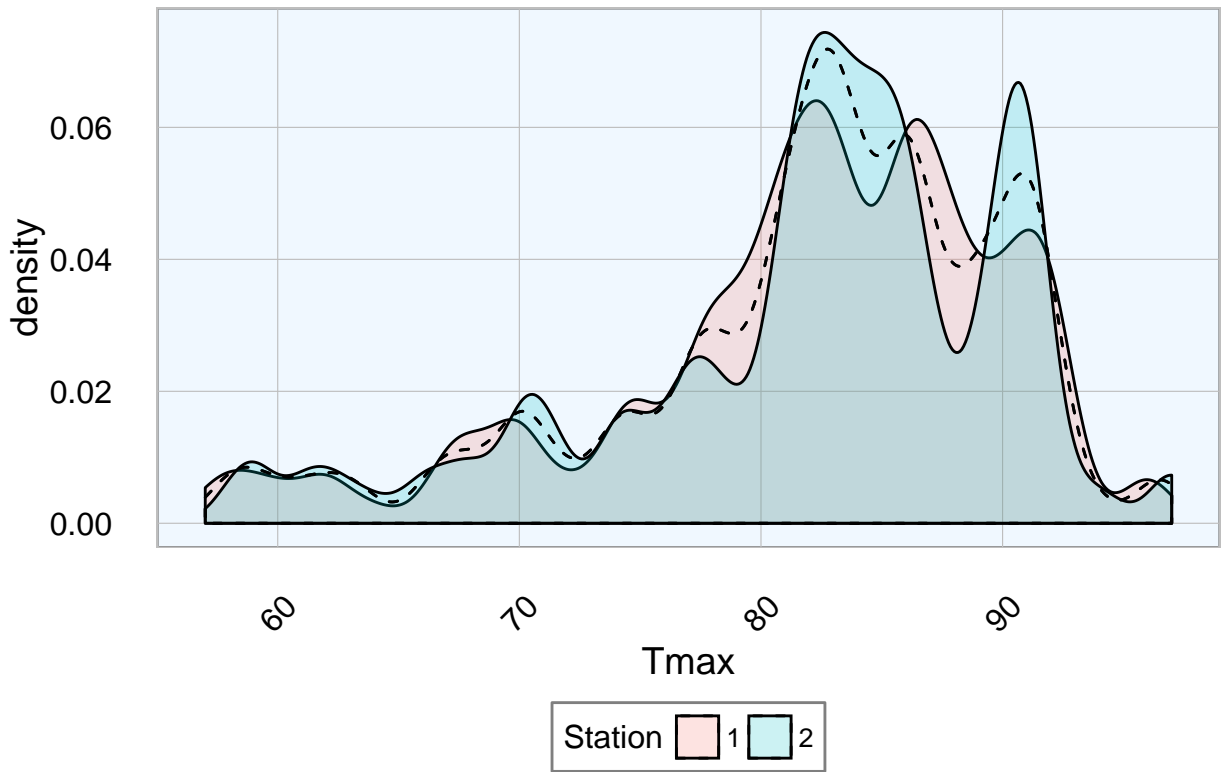
Density Plot of Tmin by Station
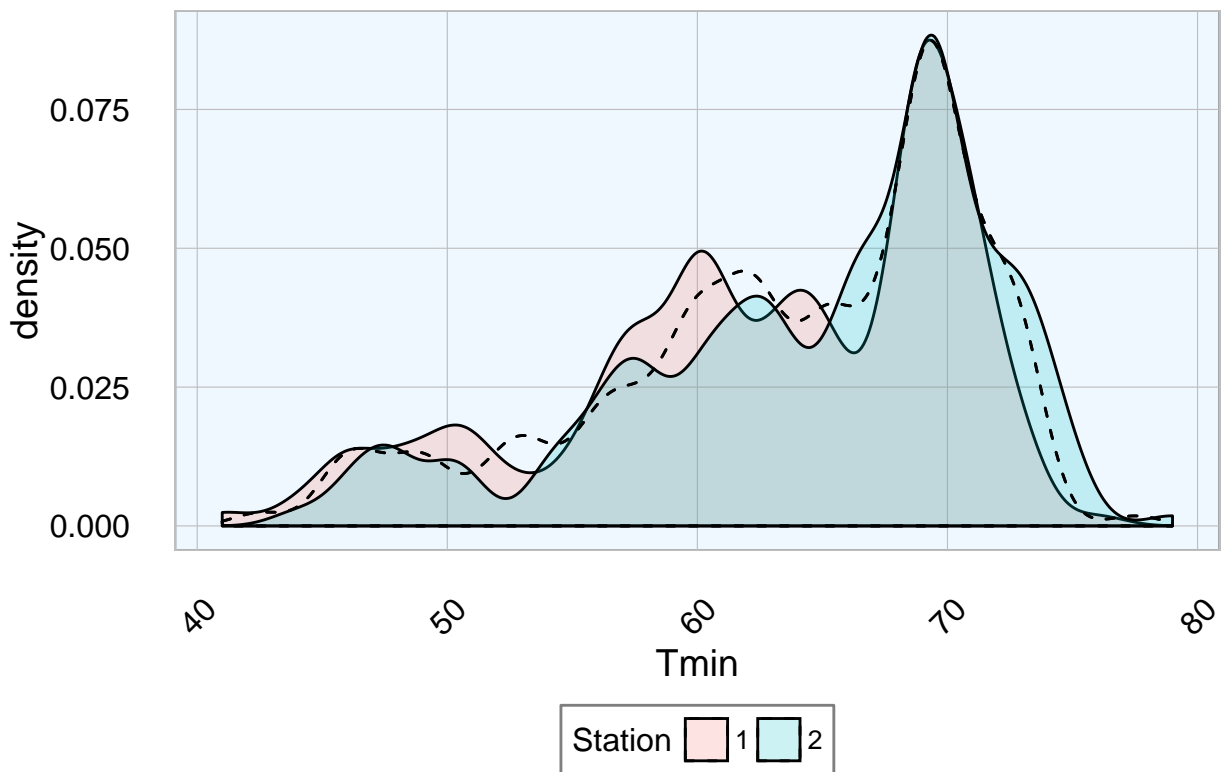
WNV Rate by Location

The plots below demonstrate a clear relationship between location and the WNV rate.
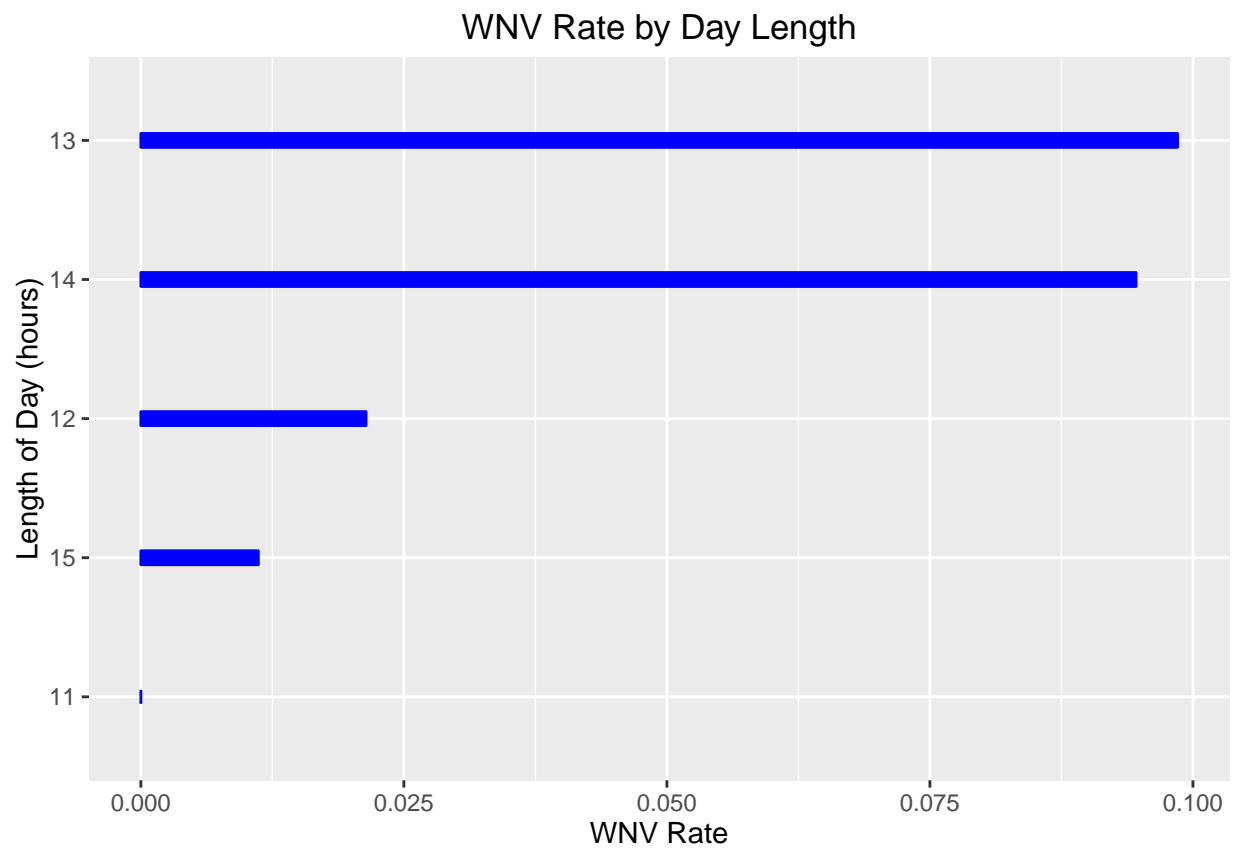

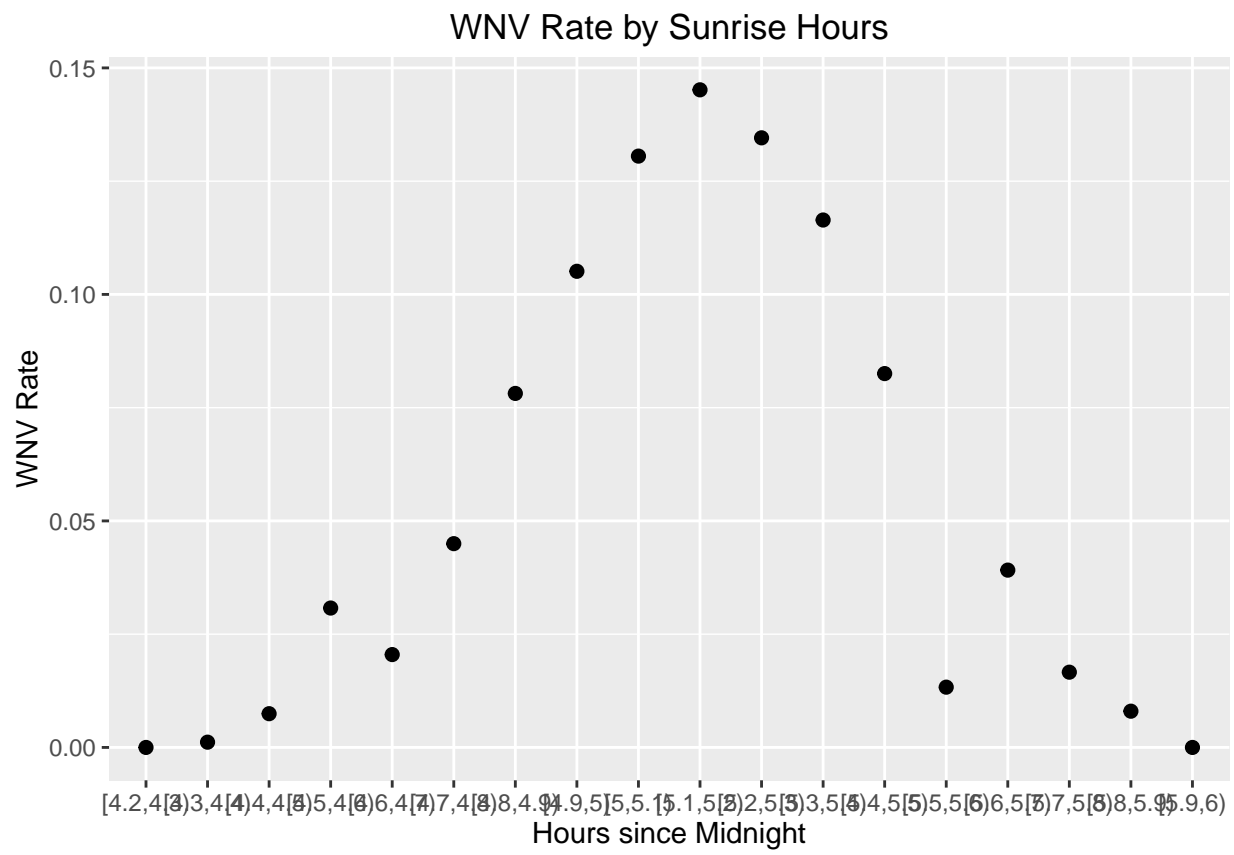WNV Rate by Block

WNV Rate by Street
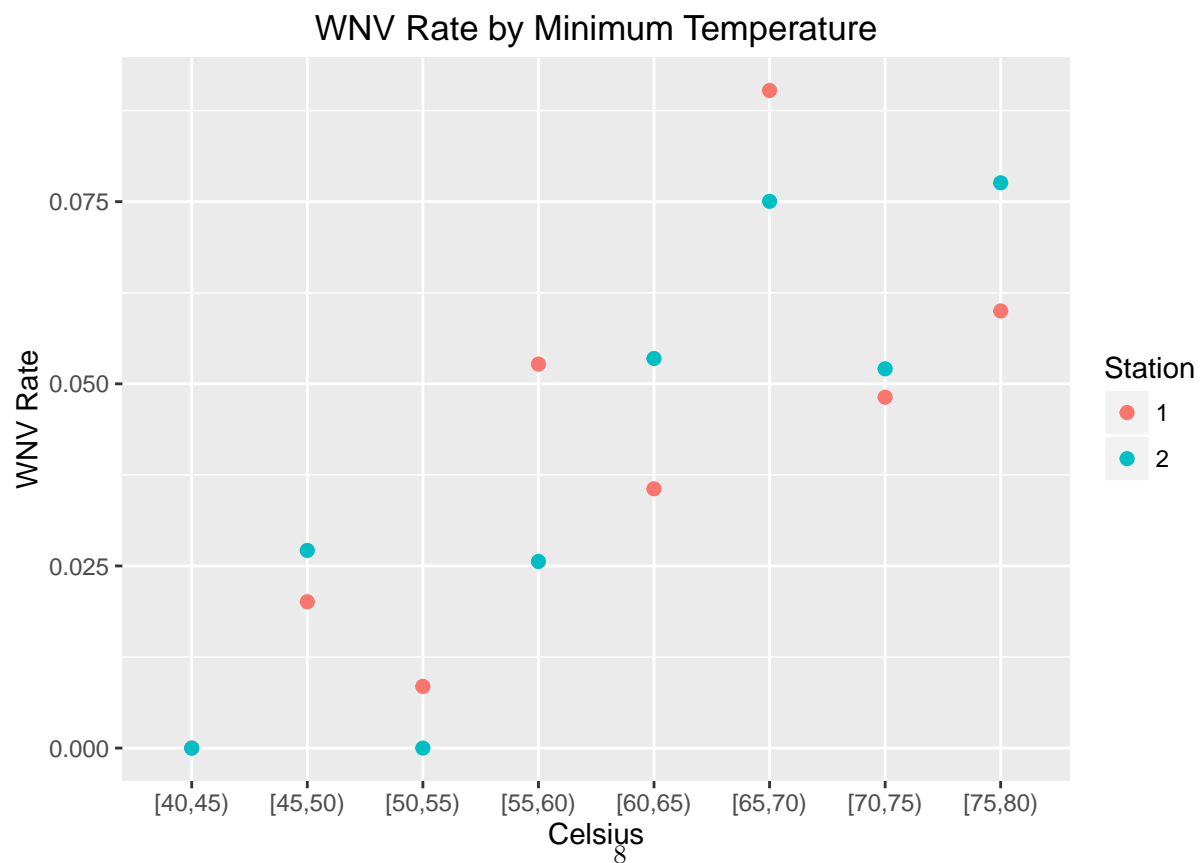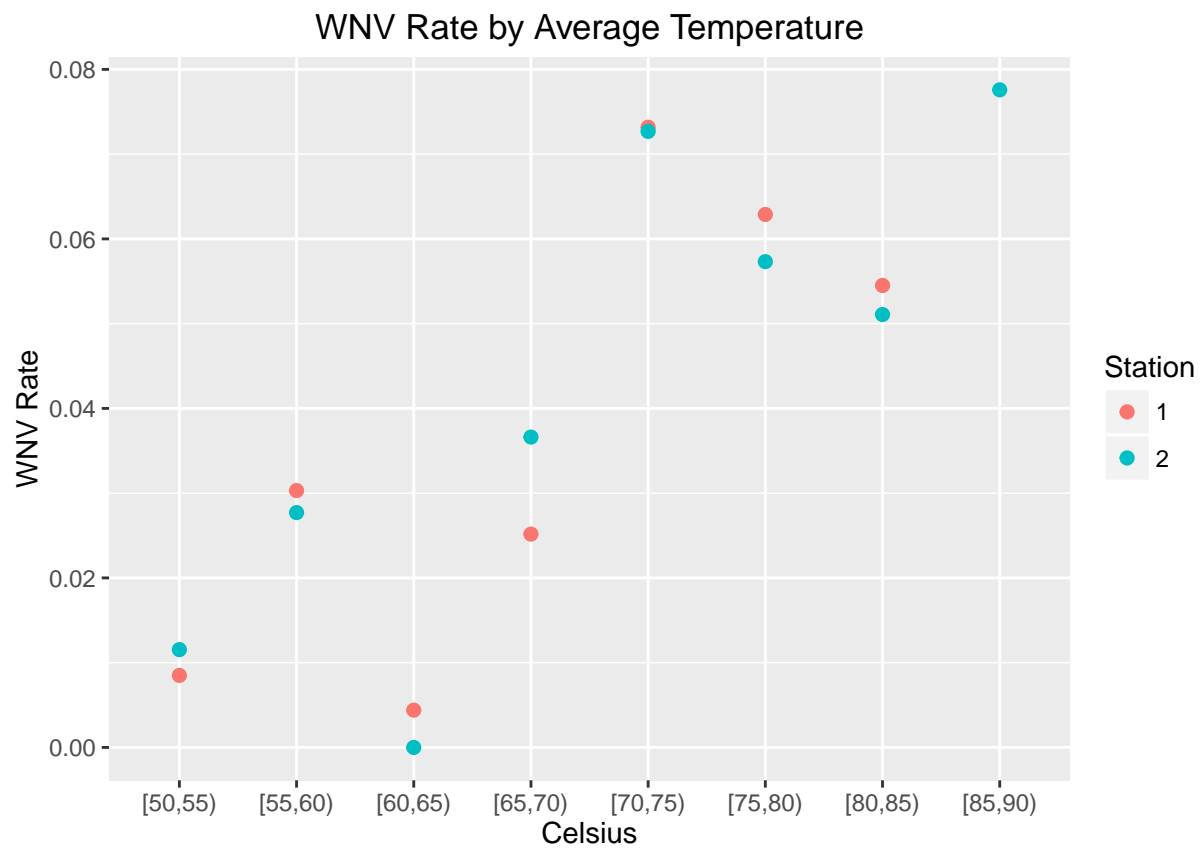
WNV Rate by Species

WNV Rate by Species

WNV Rate by Length of Day

WNV Rate by Day Length

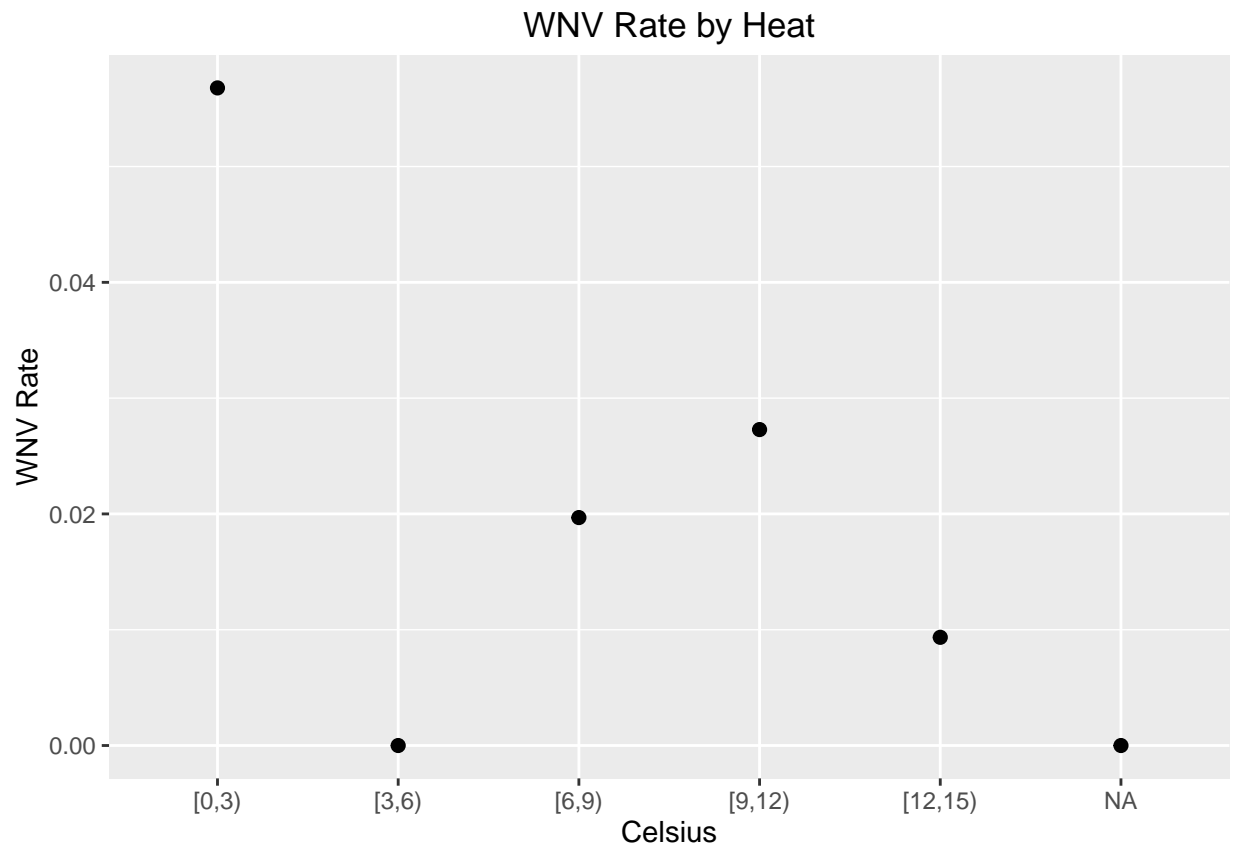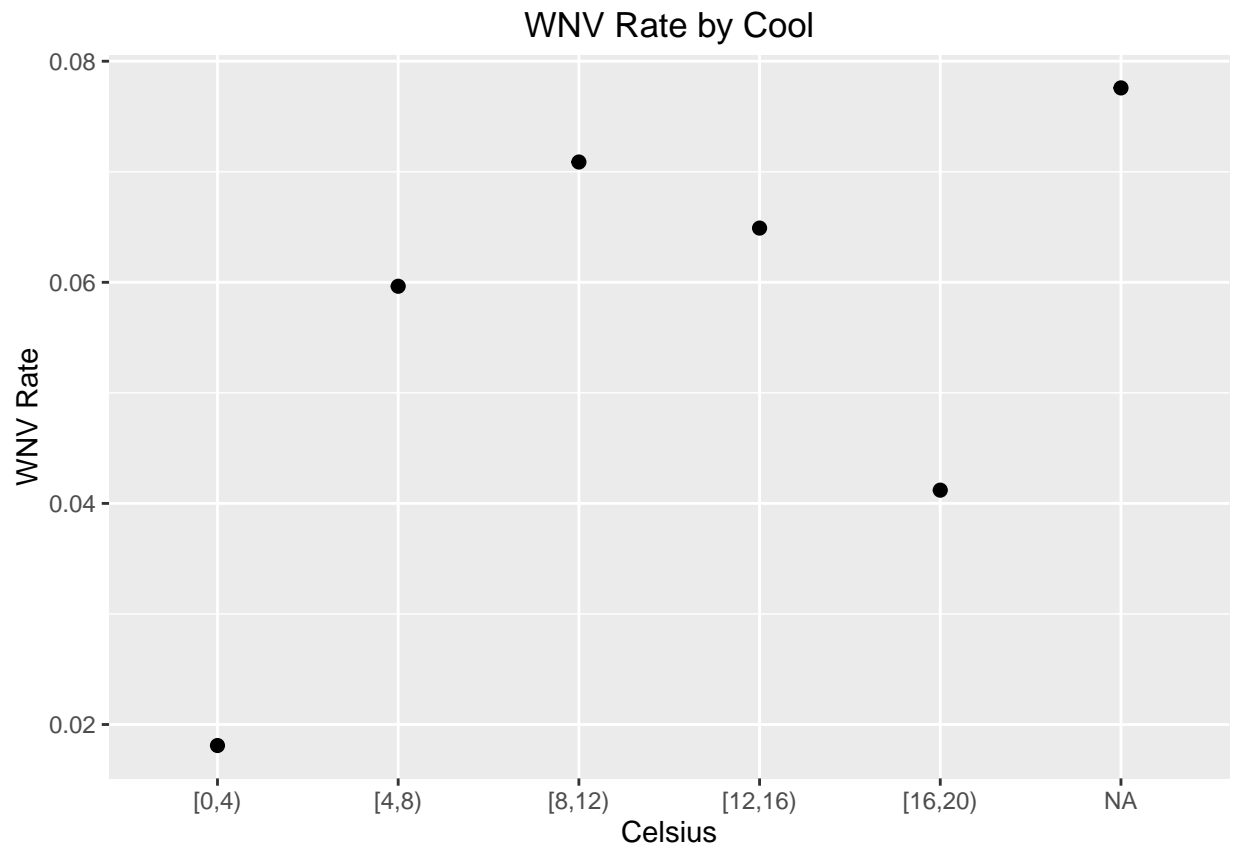## WNV Rate by Sunrise Time

WNV Rate by Sunrise Hours

Hours since Midnight

WNV Rate by Temperature Related Variables
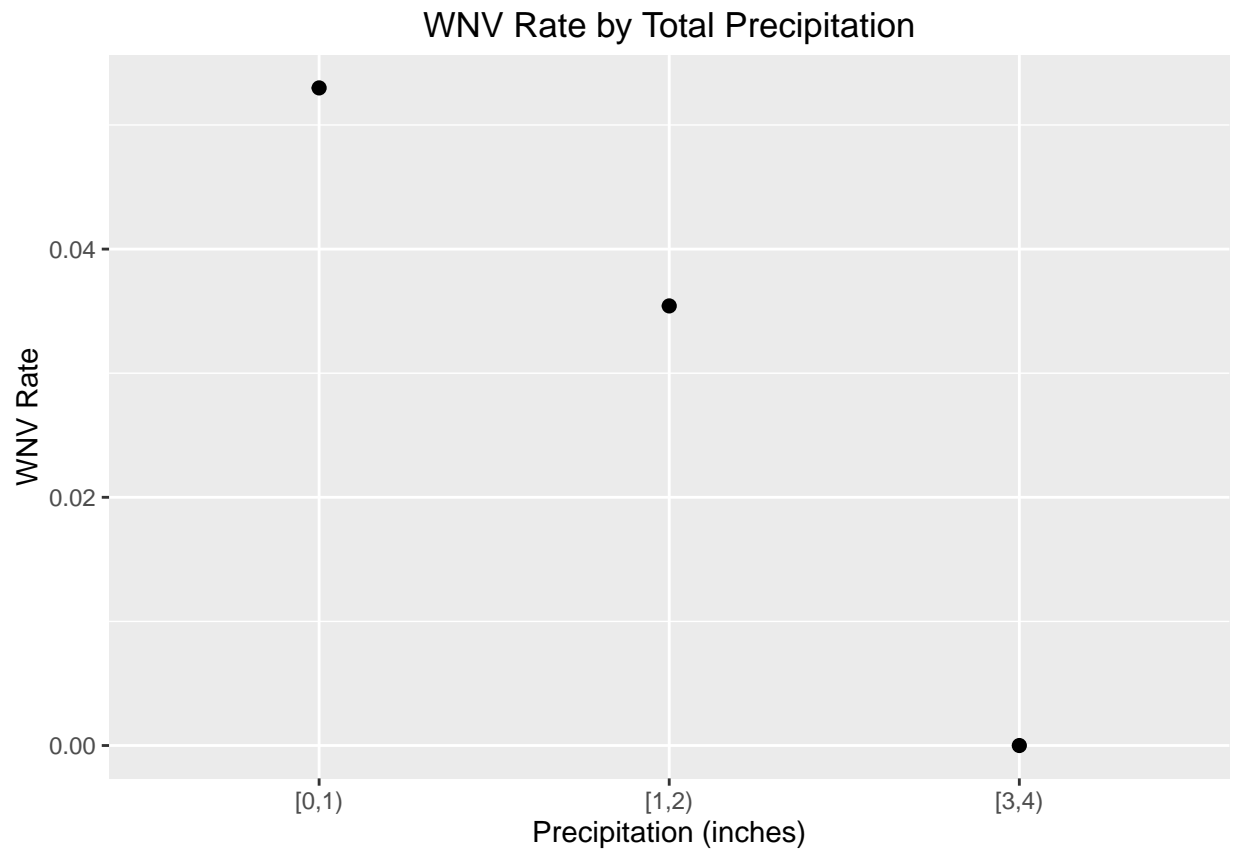
WNV Rate by Maximum Temperature

WNV Rate by Depart

WNV Rate by Heat

WNV Rate by Cool

WNV Rate by Total Precipitation

WNV Rate by Total Precipitation

WNV Rate by Total Precipitation