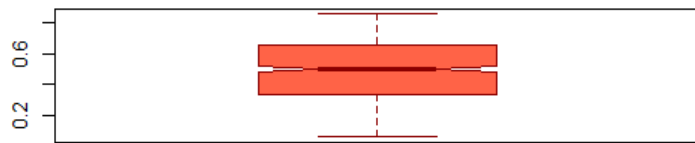
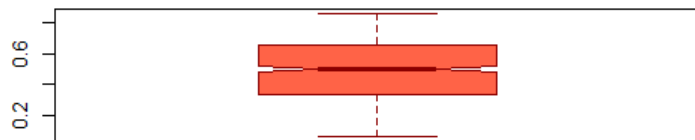


Temperature



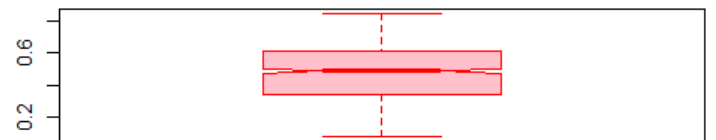
No Outliers

Temperature



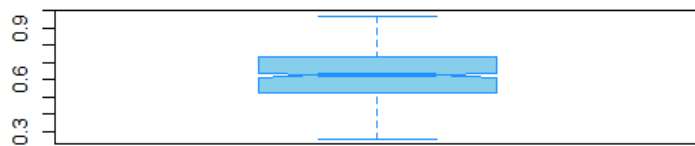
No Outliers

Feellike-Temperature



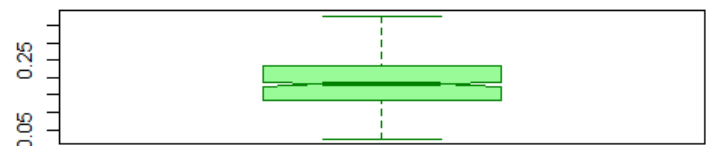
No Outliers

Humidity



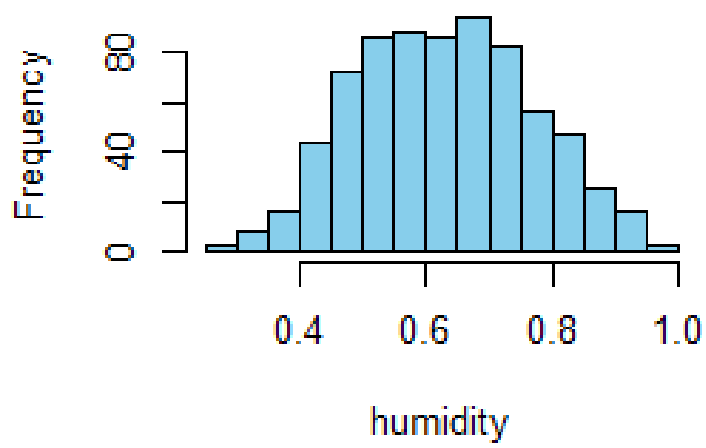
Outliers: 0.187917

Windspeed

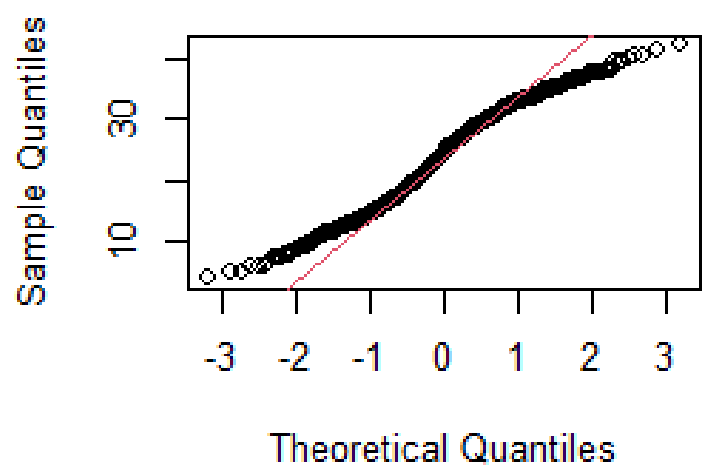
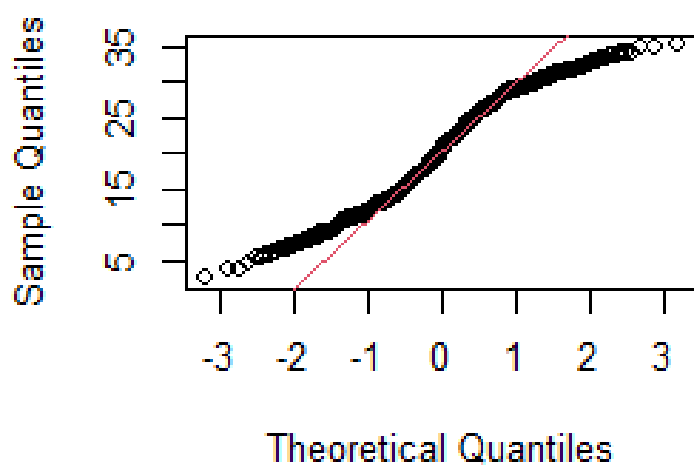


Outliers: 0.417908

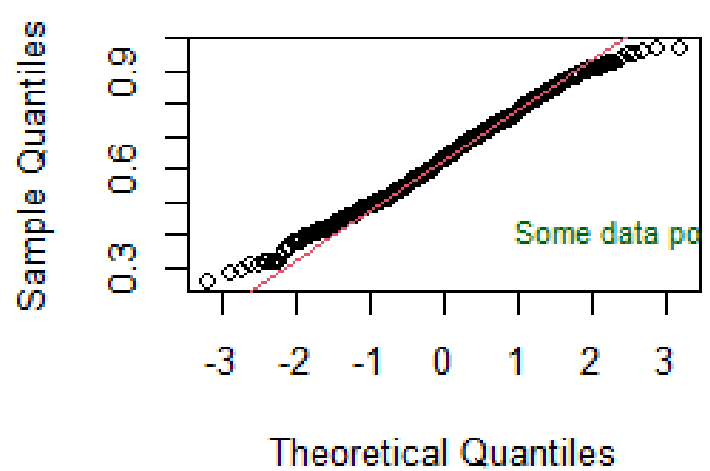
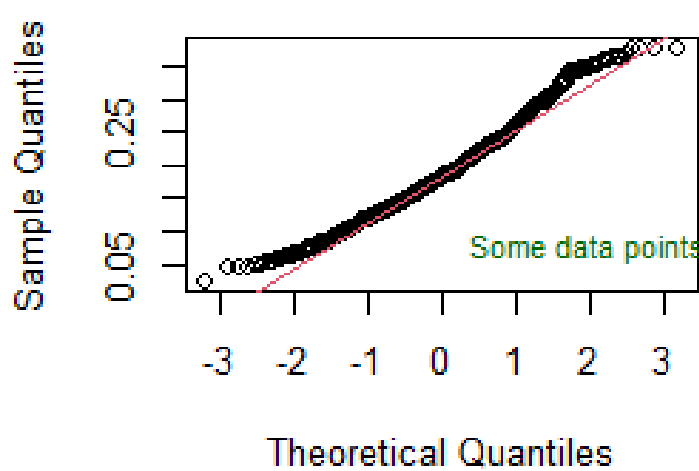
Histogram for humidity



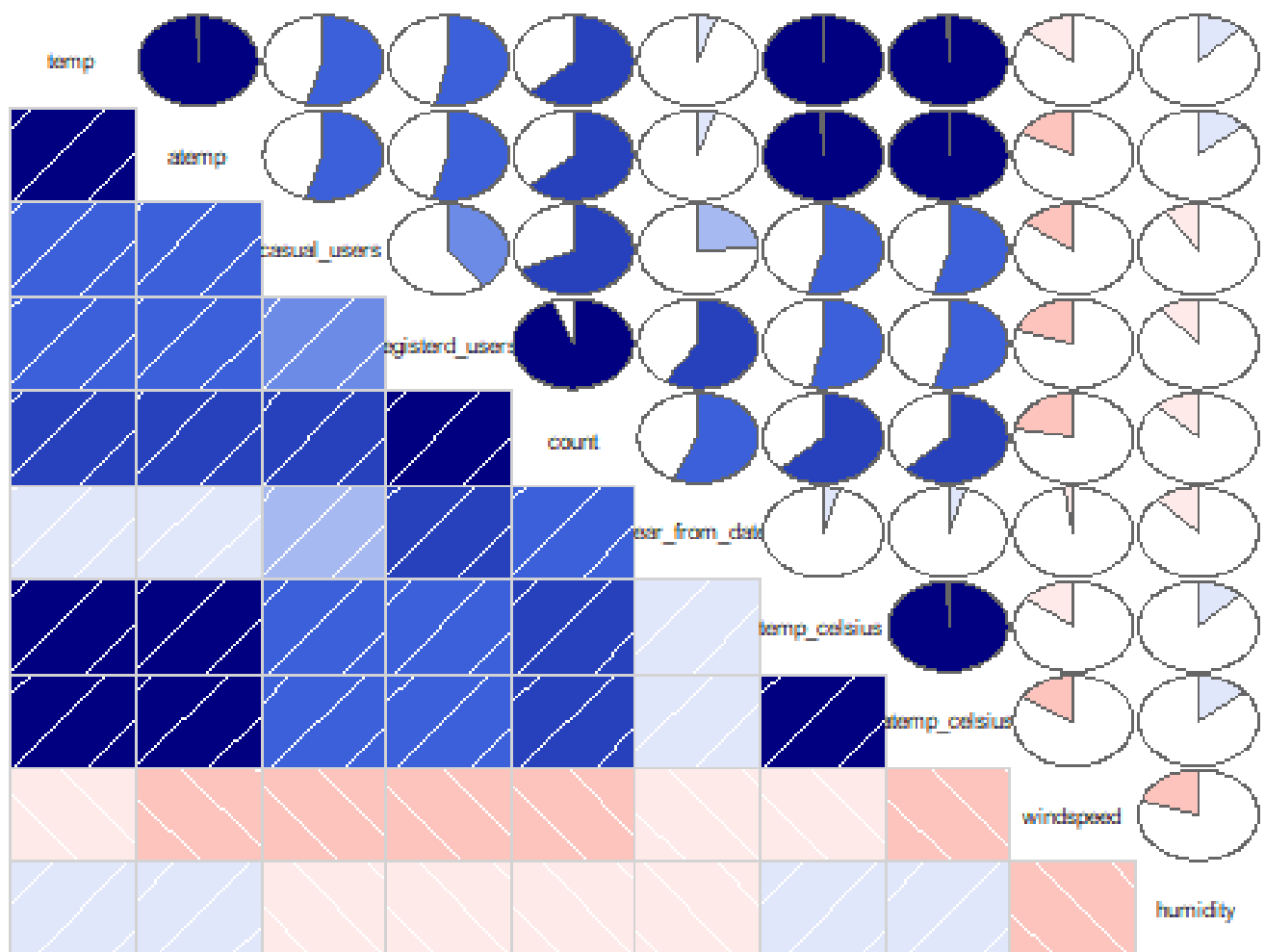
Normal Probability Plot for temp_celNormal Probability Plot for atemp_cel



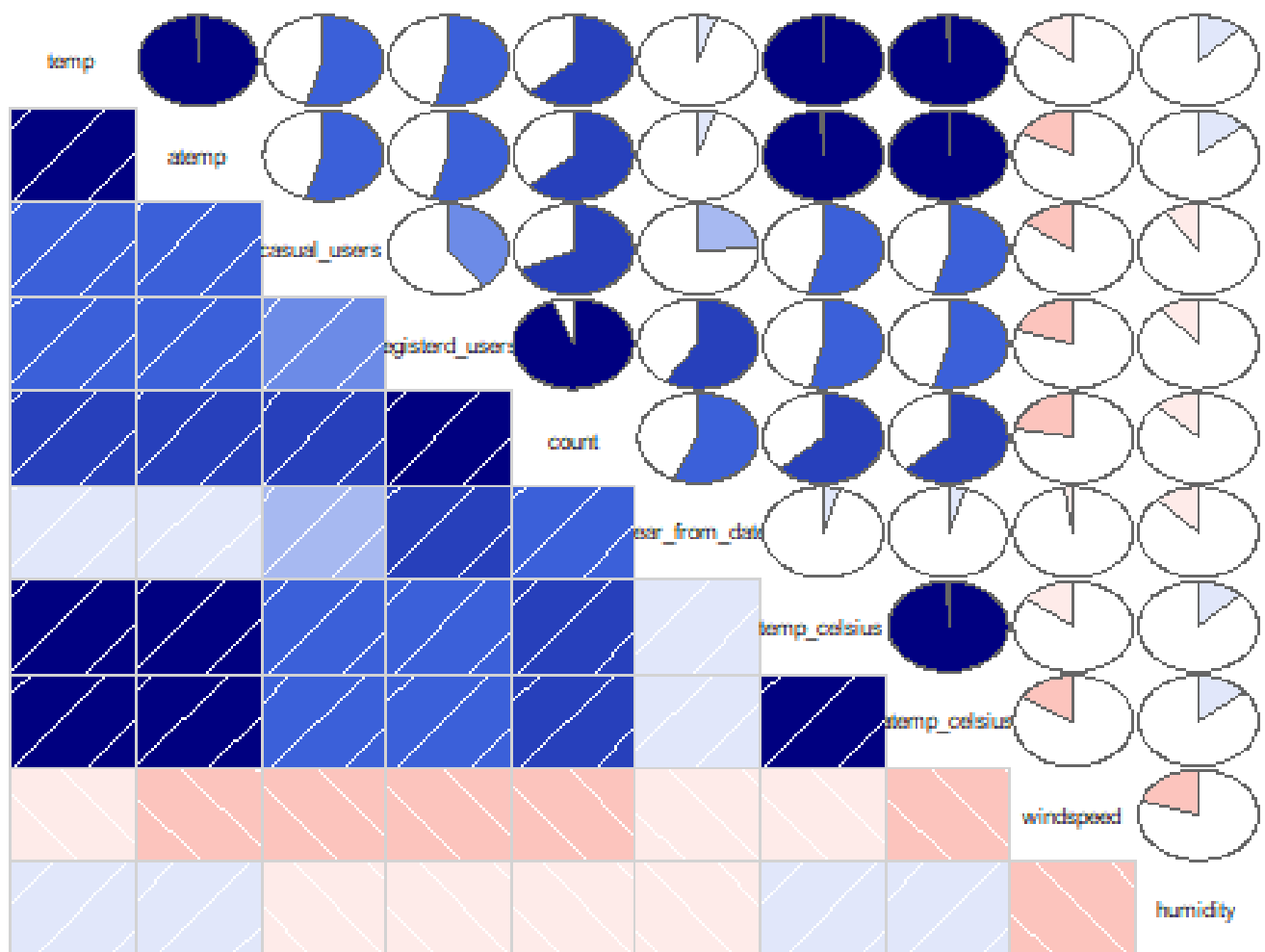
Normal Probability Plot for windspeNormal Probability Plot for humidity



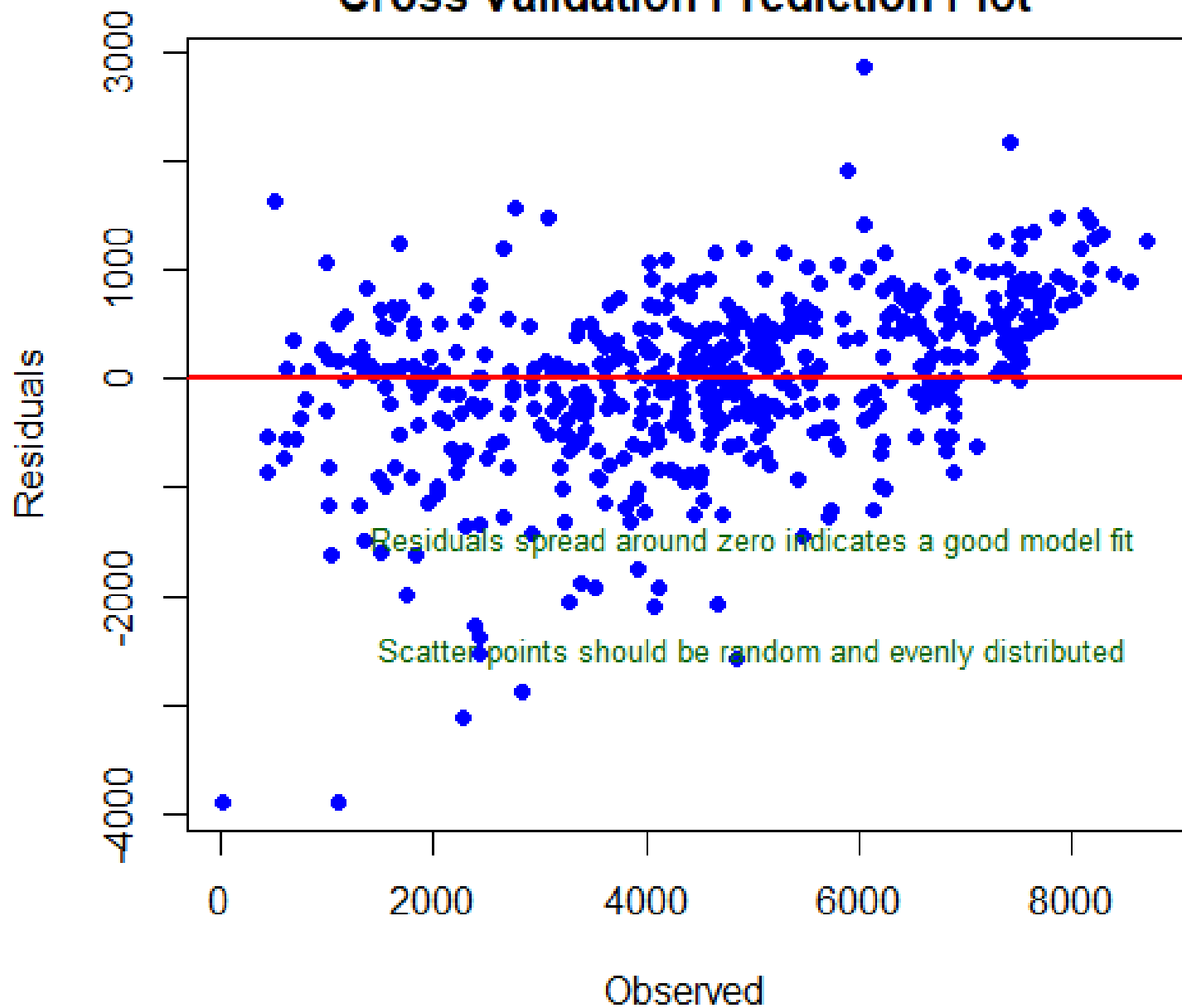
Correlation Plot



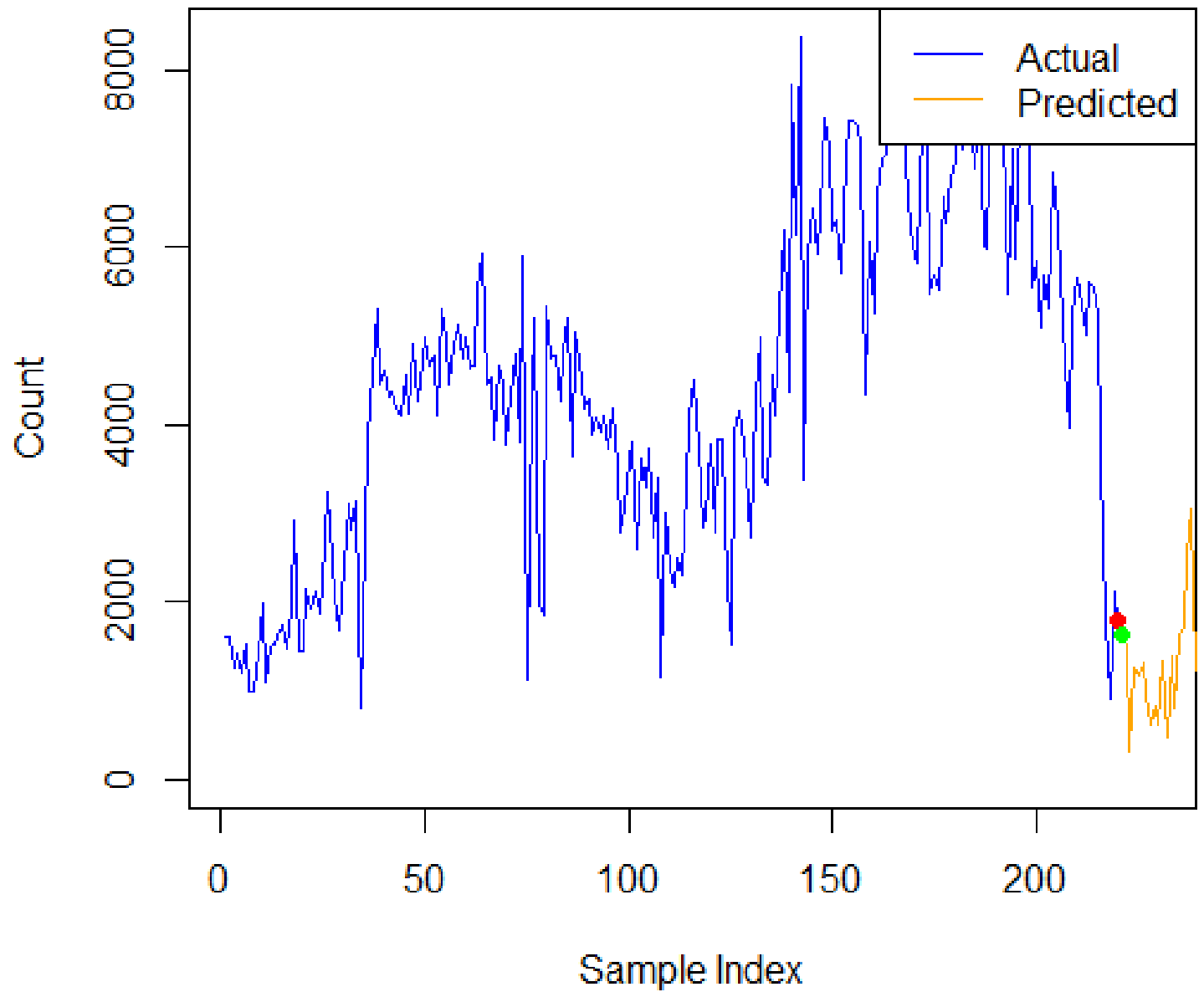
Correlation Plot



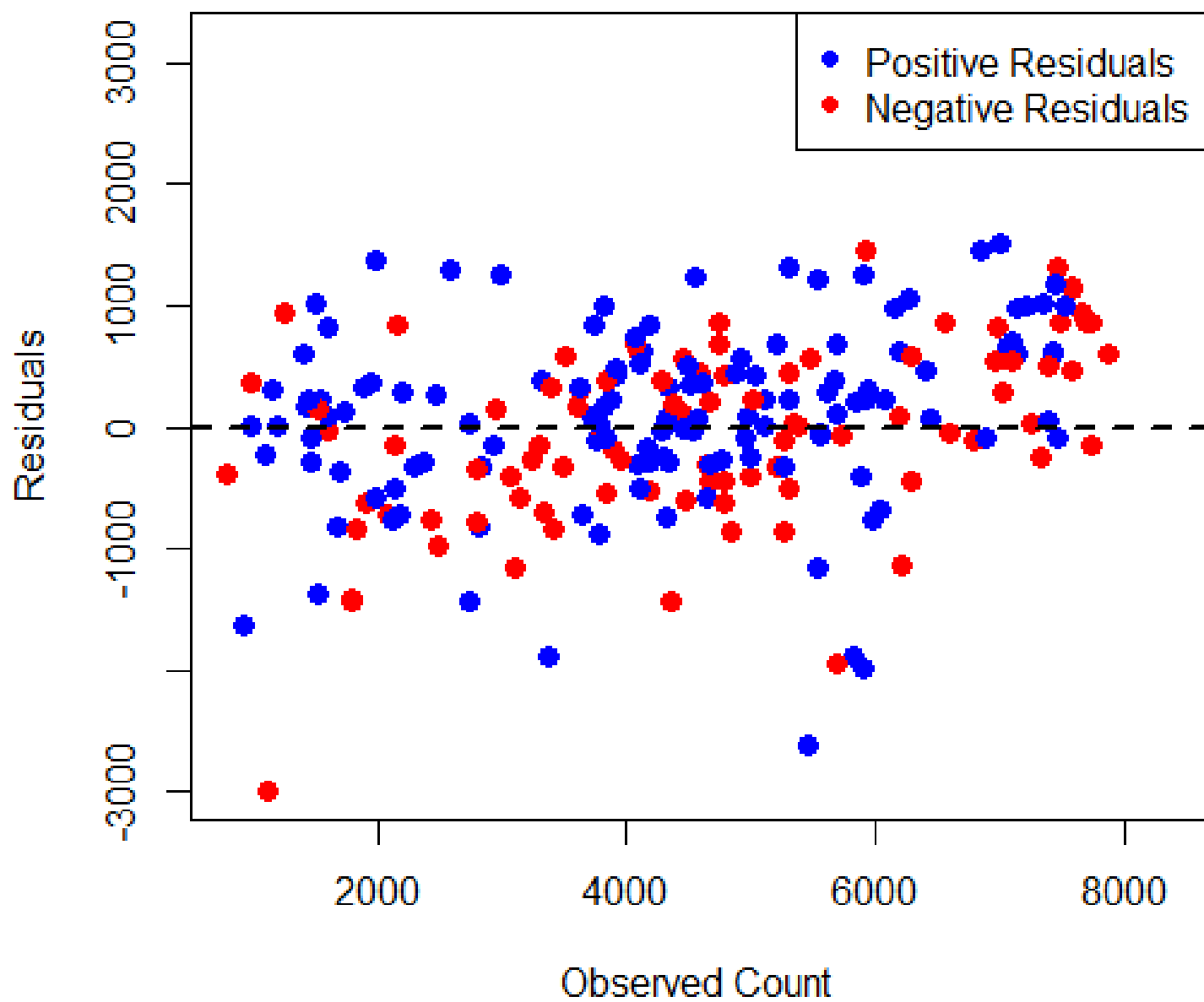
Cross Validation Prediction Plot



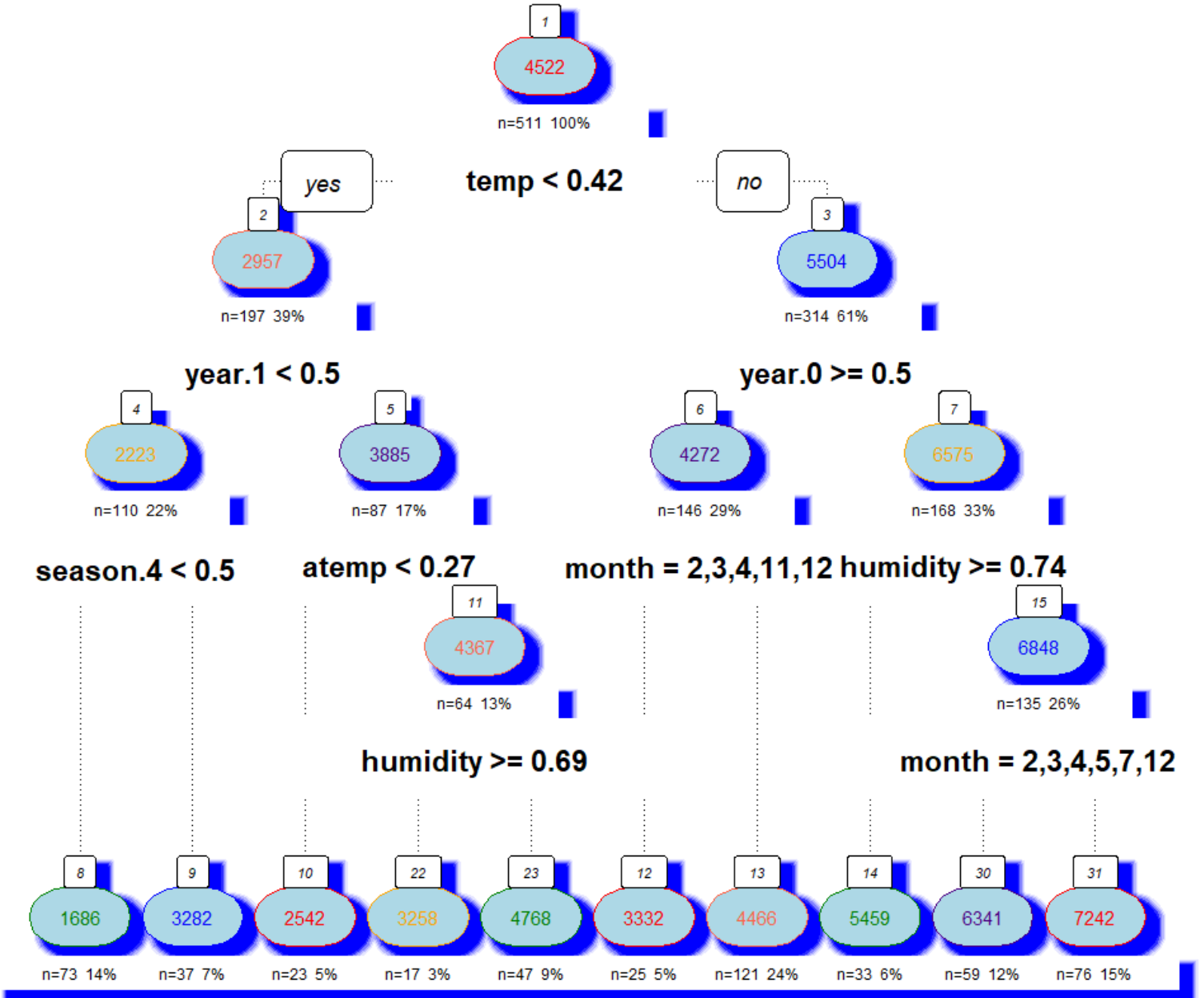
Actual vs Future Predicted Values



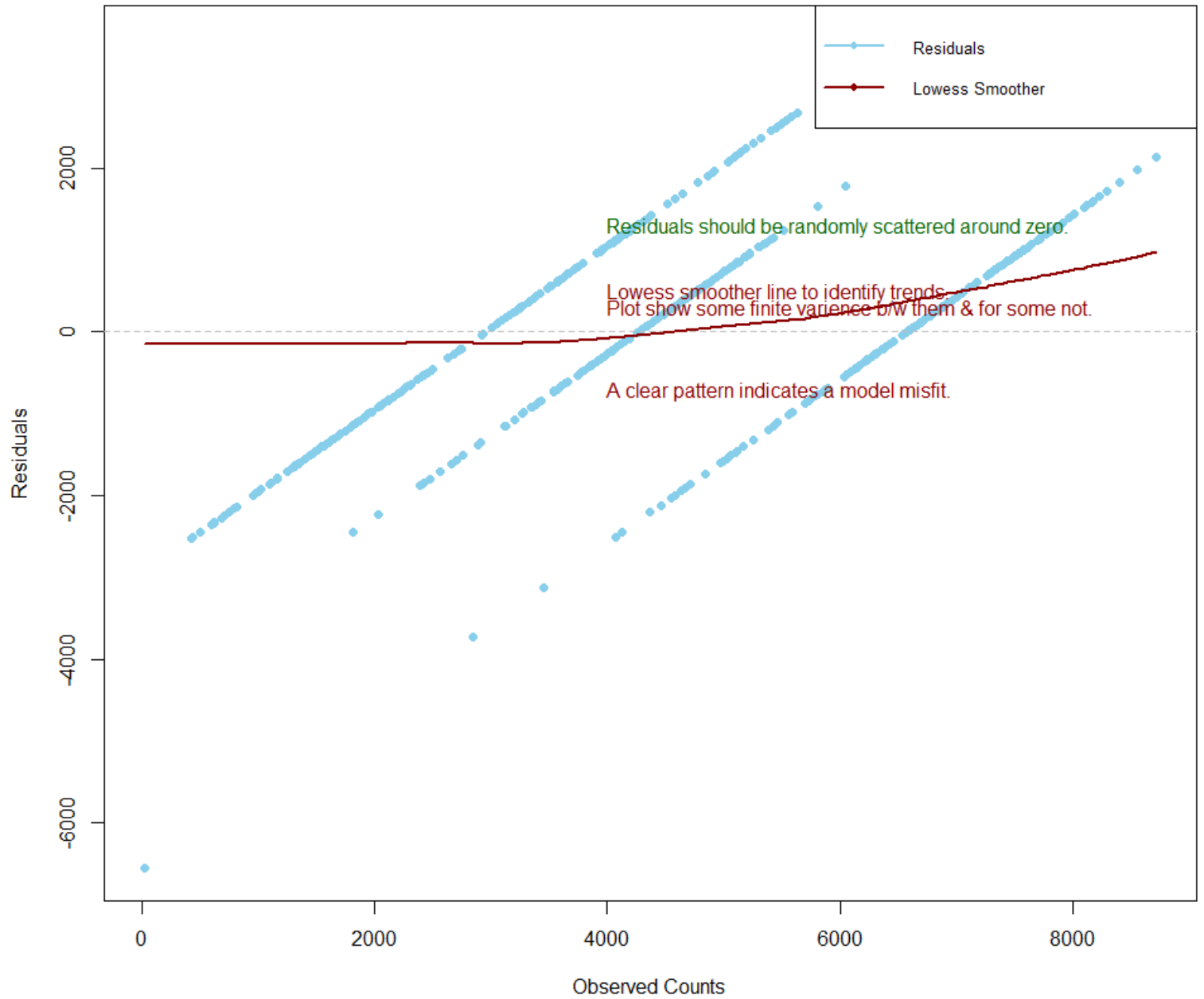
Residual Plot



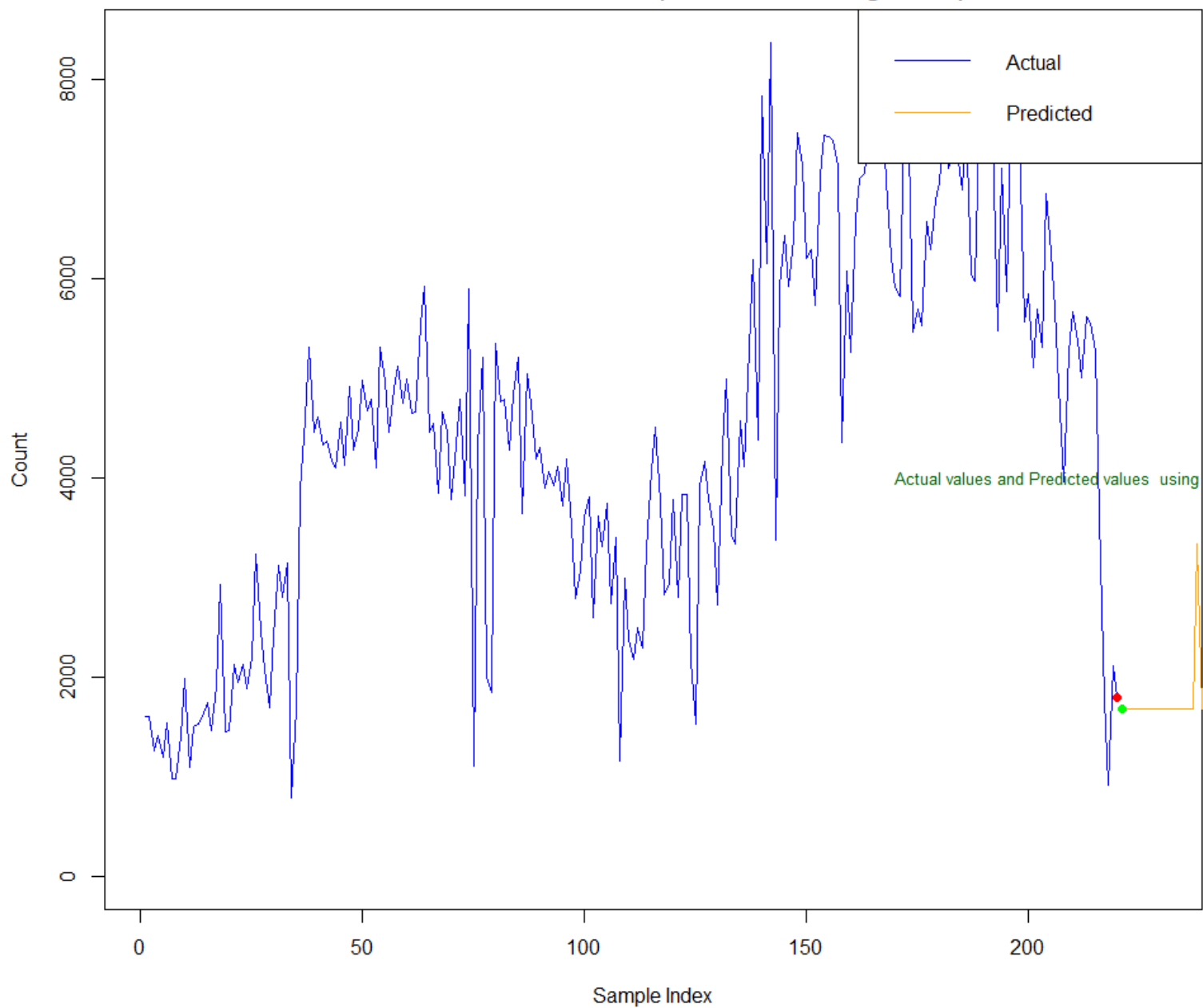
Enhanced Decision Tree Model



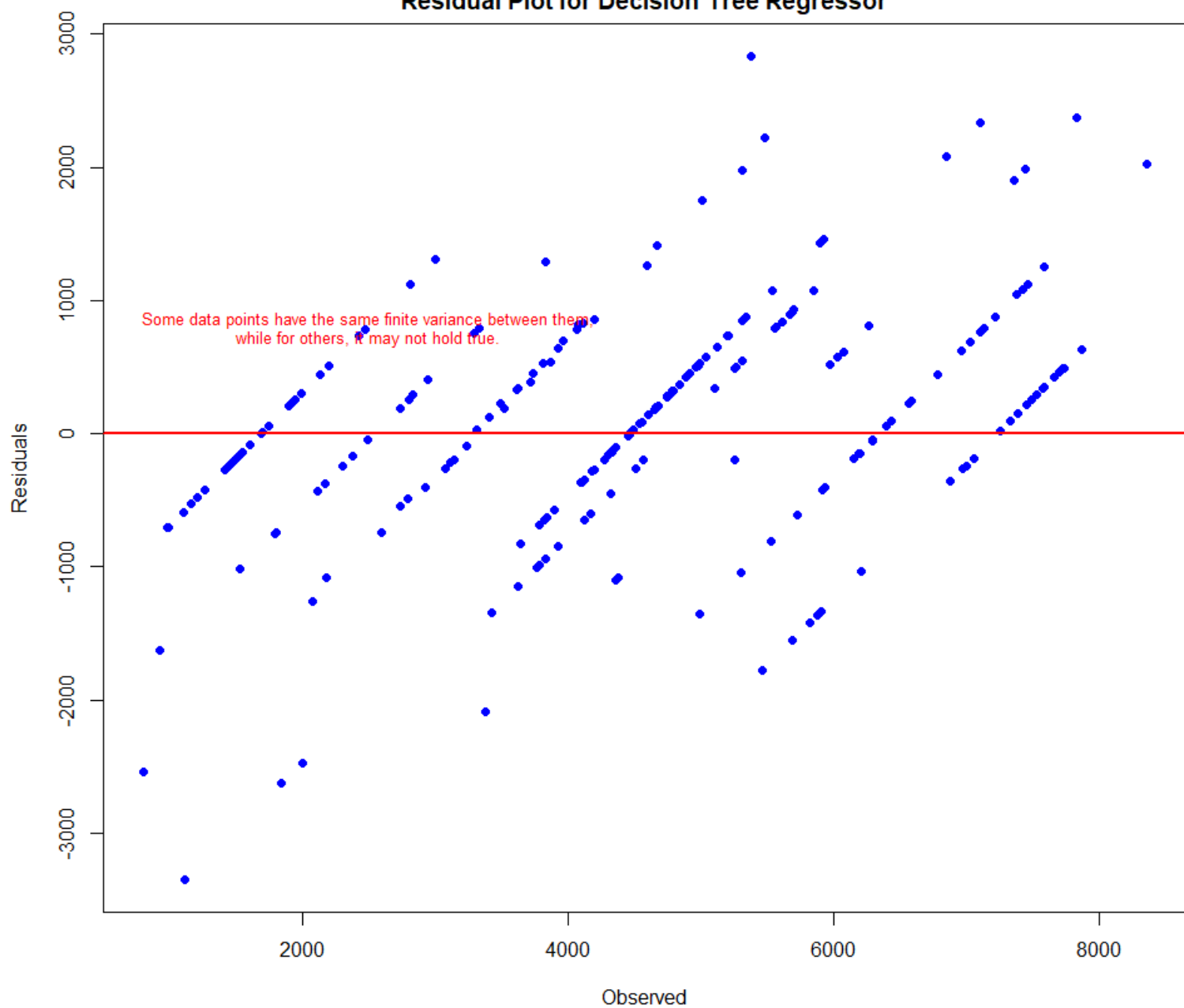
Cross Validation Residual Plot



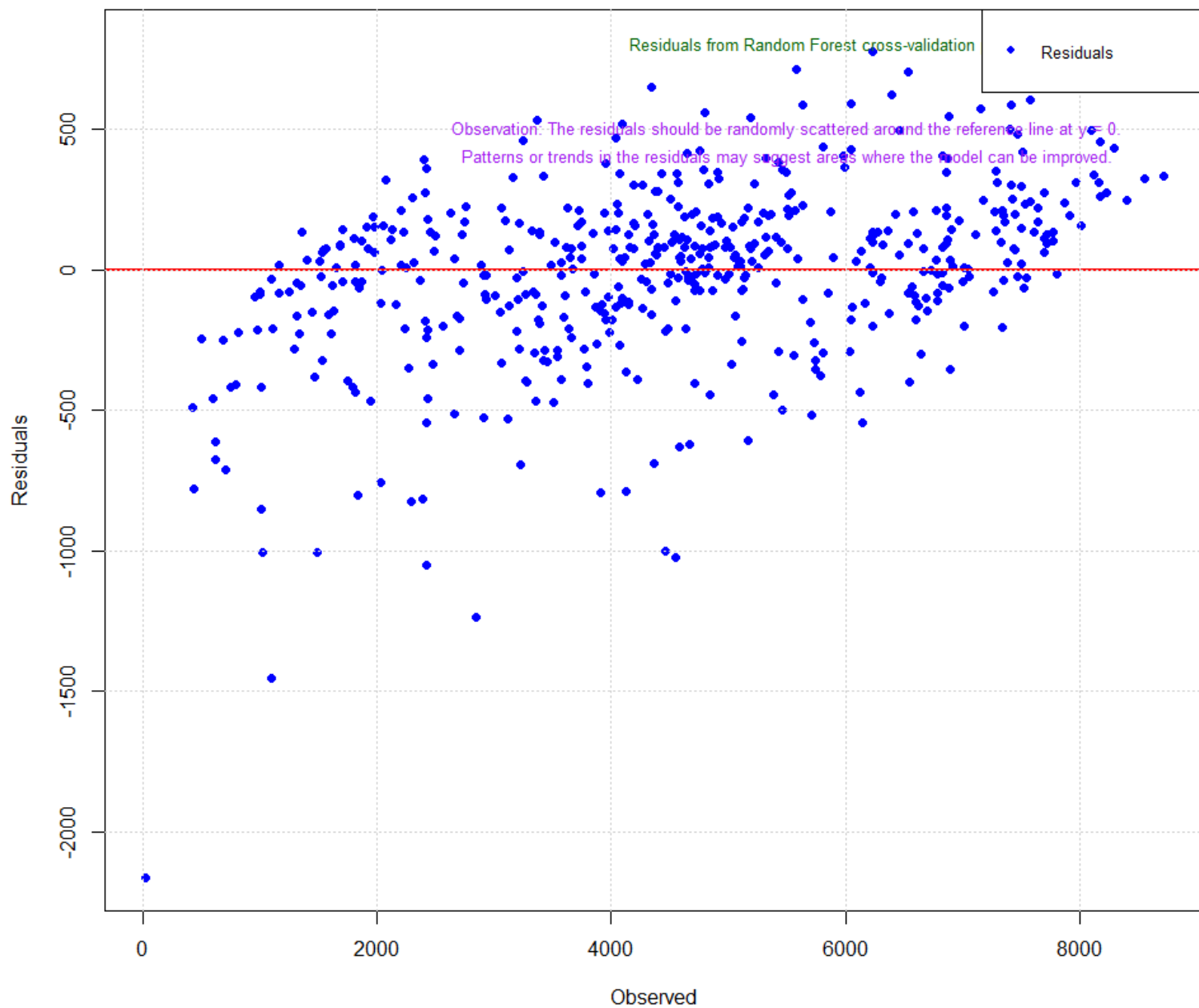
Actual vs Predicted Values (Decision Tree Regressor)



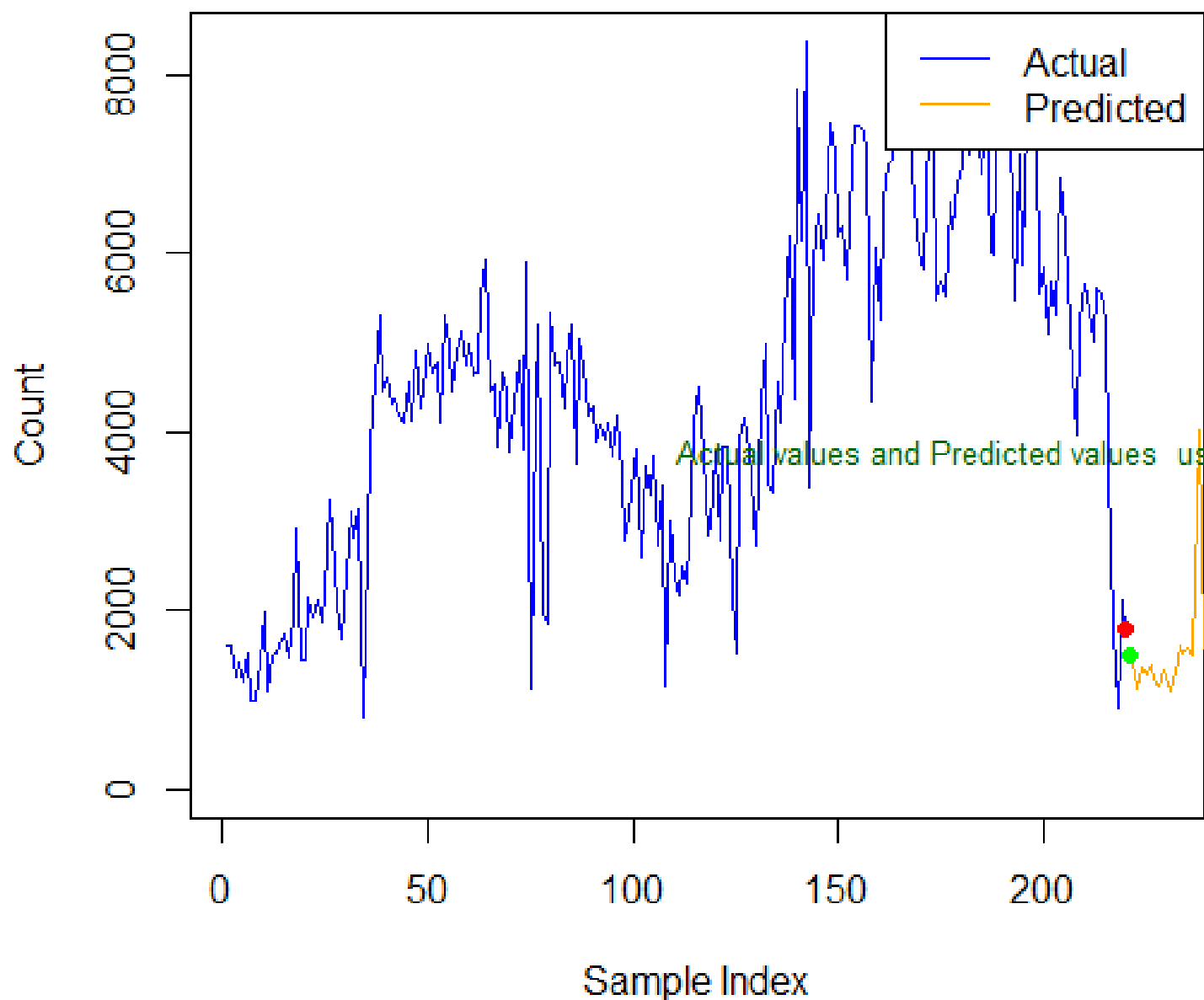
Residual Plot for Decision Tree Regressor



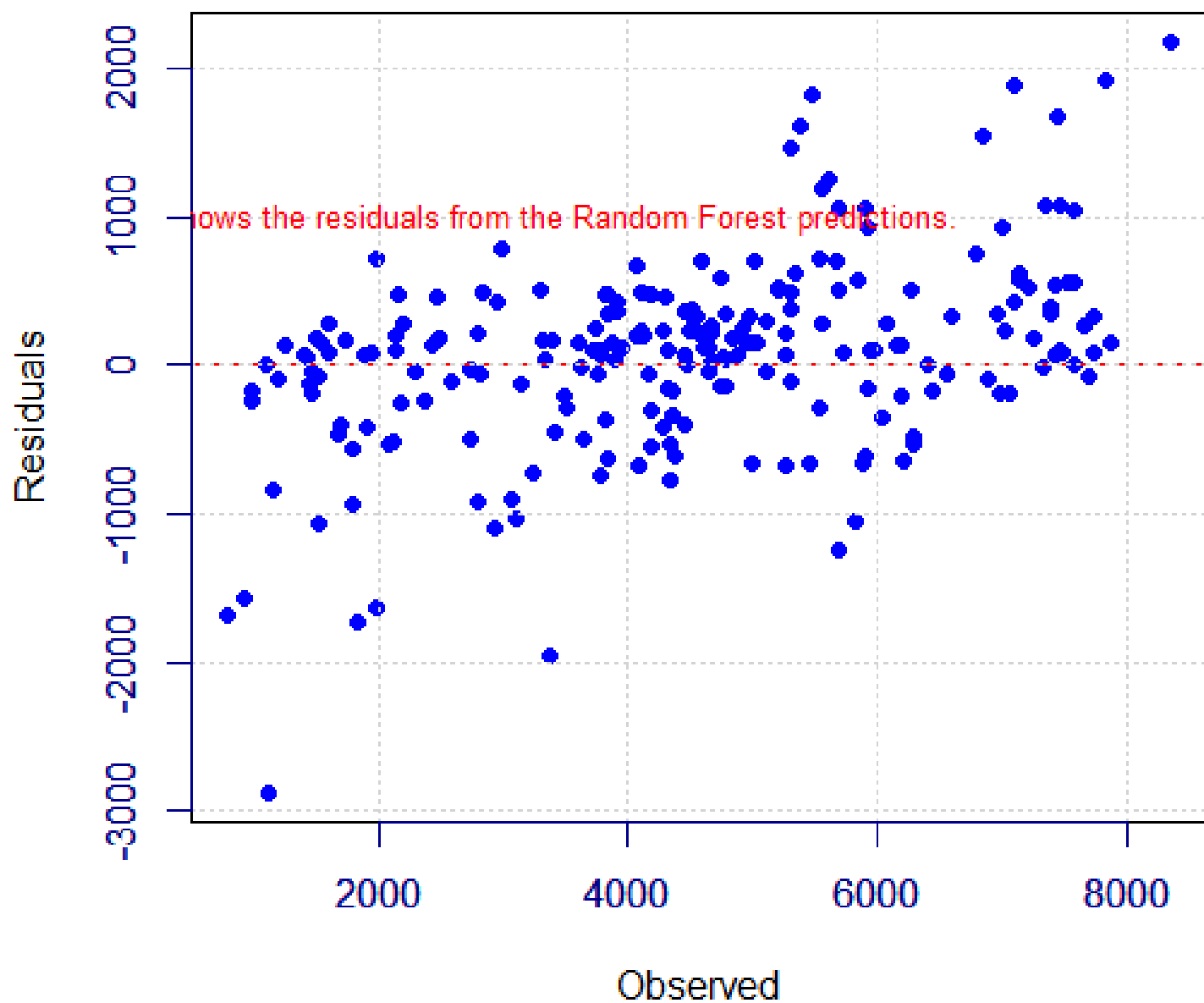
Cross Validation Prediction Plot for Random Forest



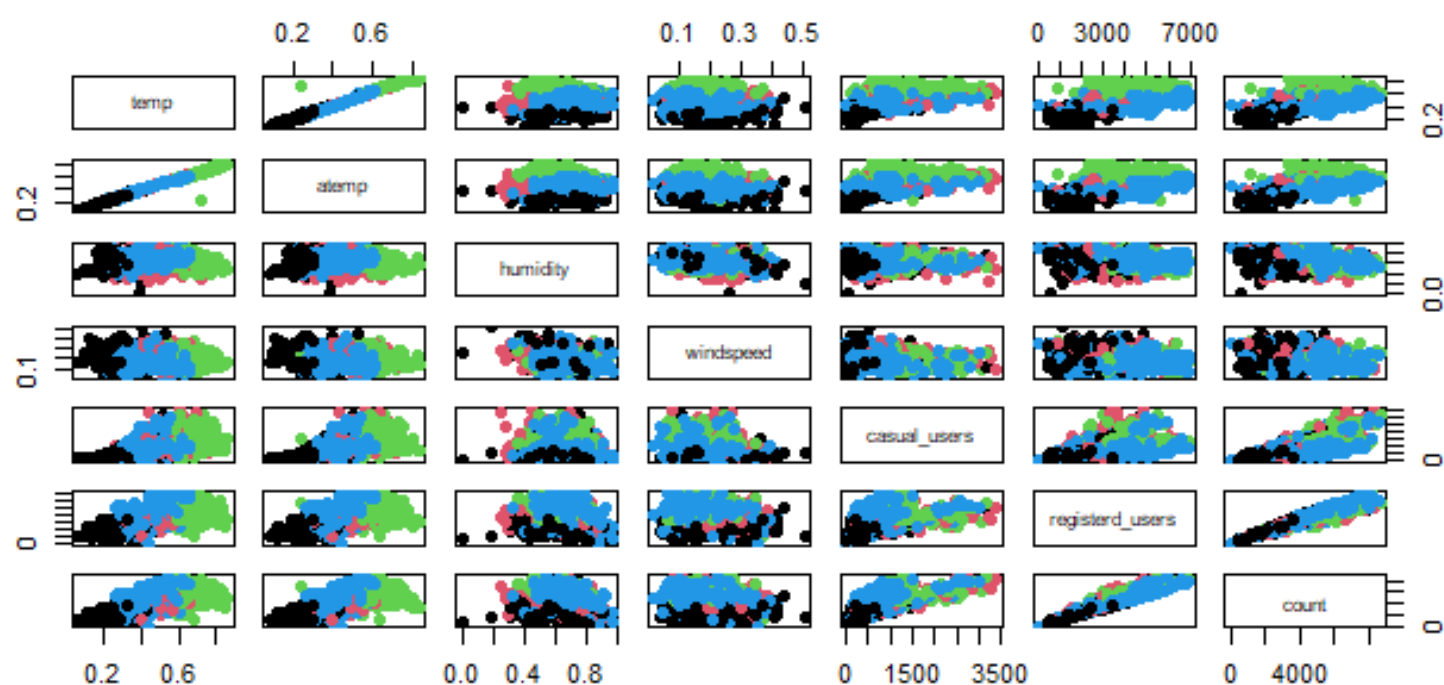
Actual vs Predicted Values (Random forest Regressor)



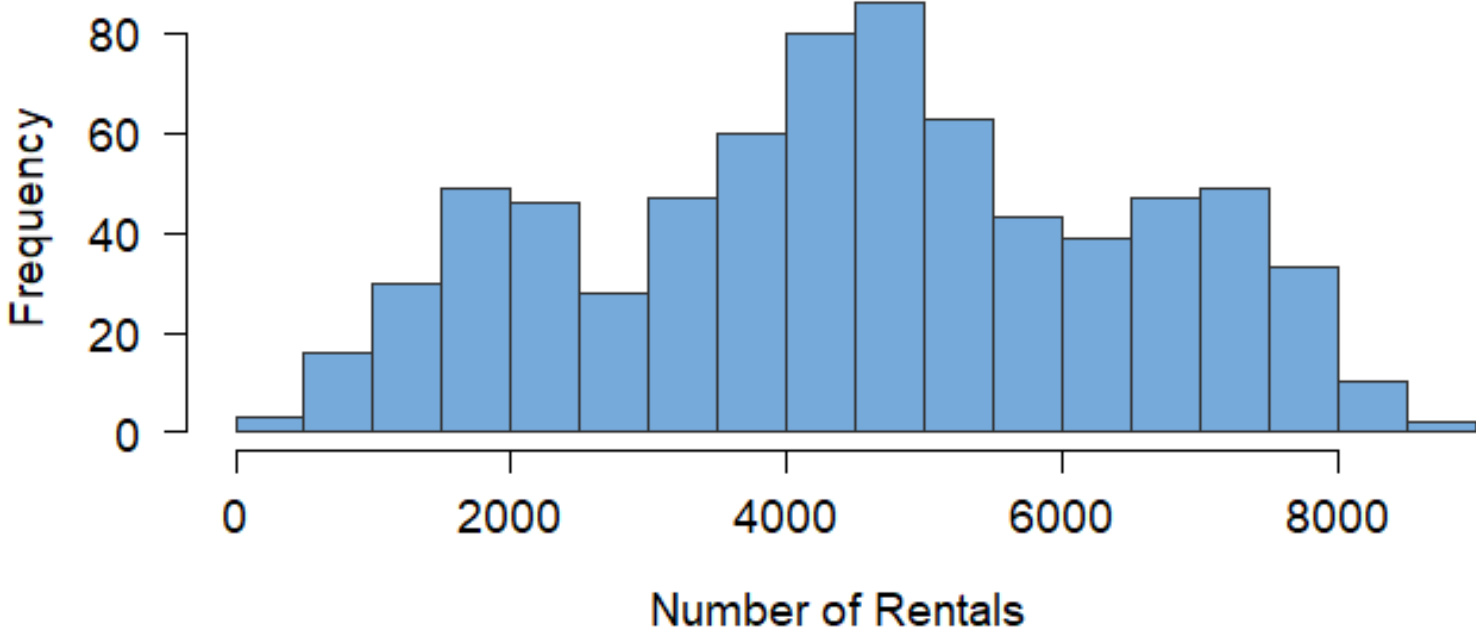
Residual Plot for Random Forest Regressor



Pairs Plot of Numerical Variables

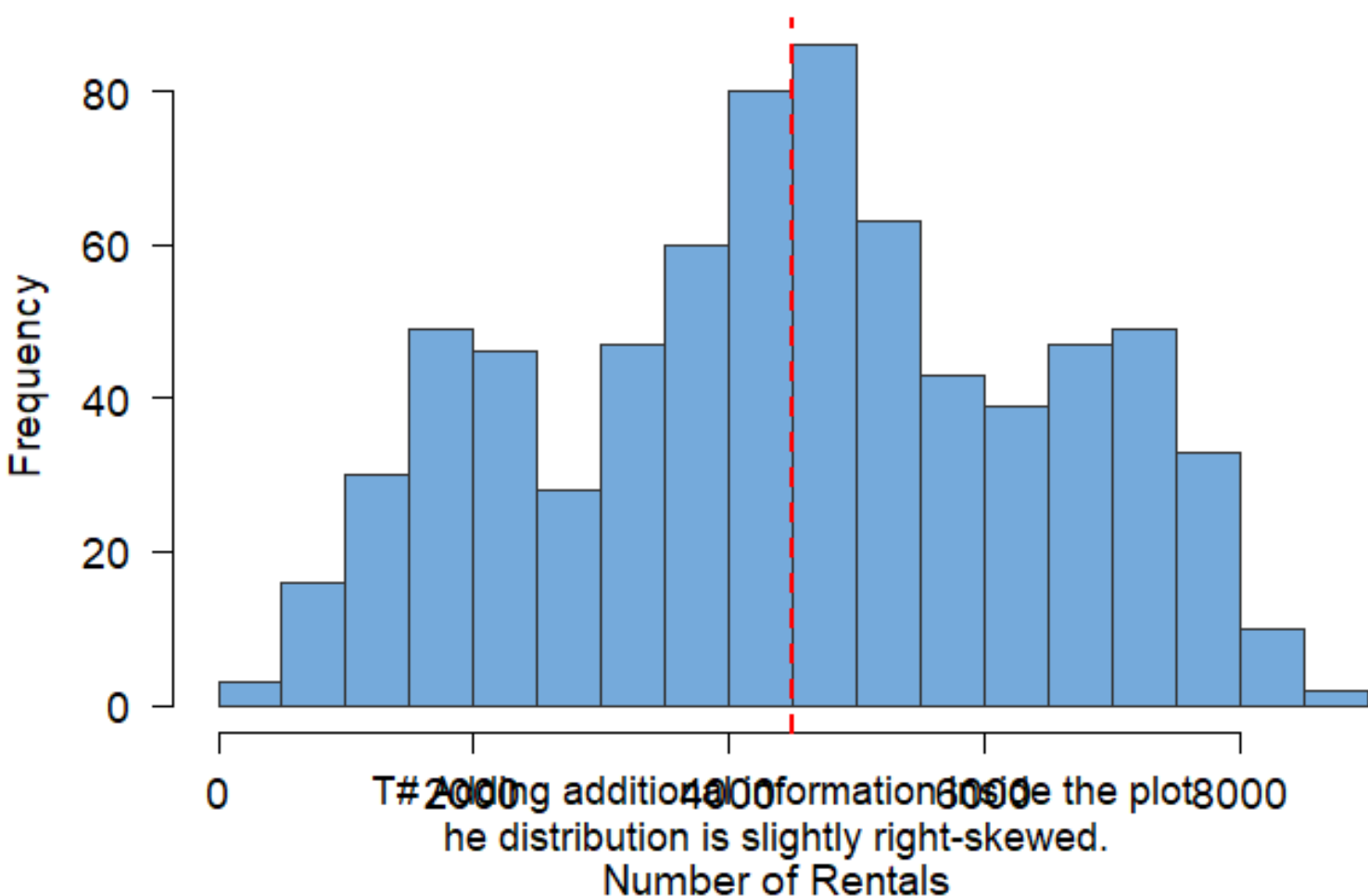


Distribution of Bike Rentals

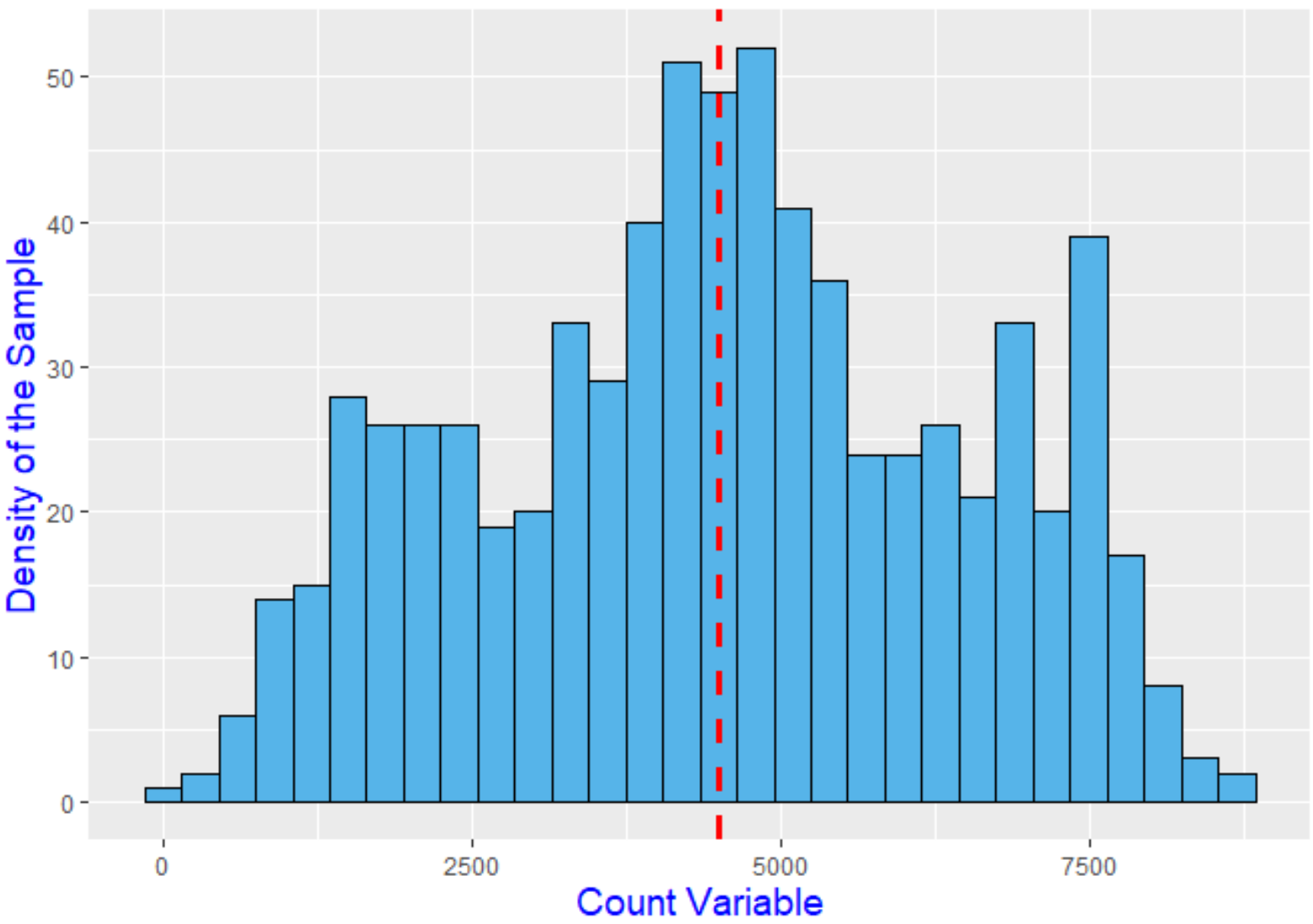


The mean number of rentals is marked by a red dashed line.

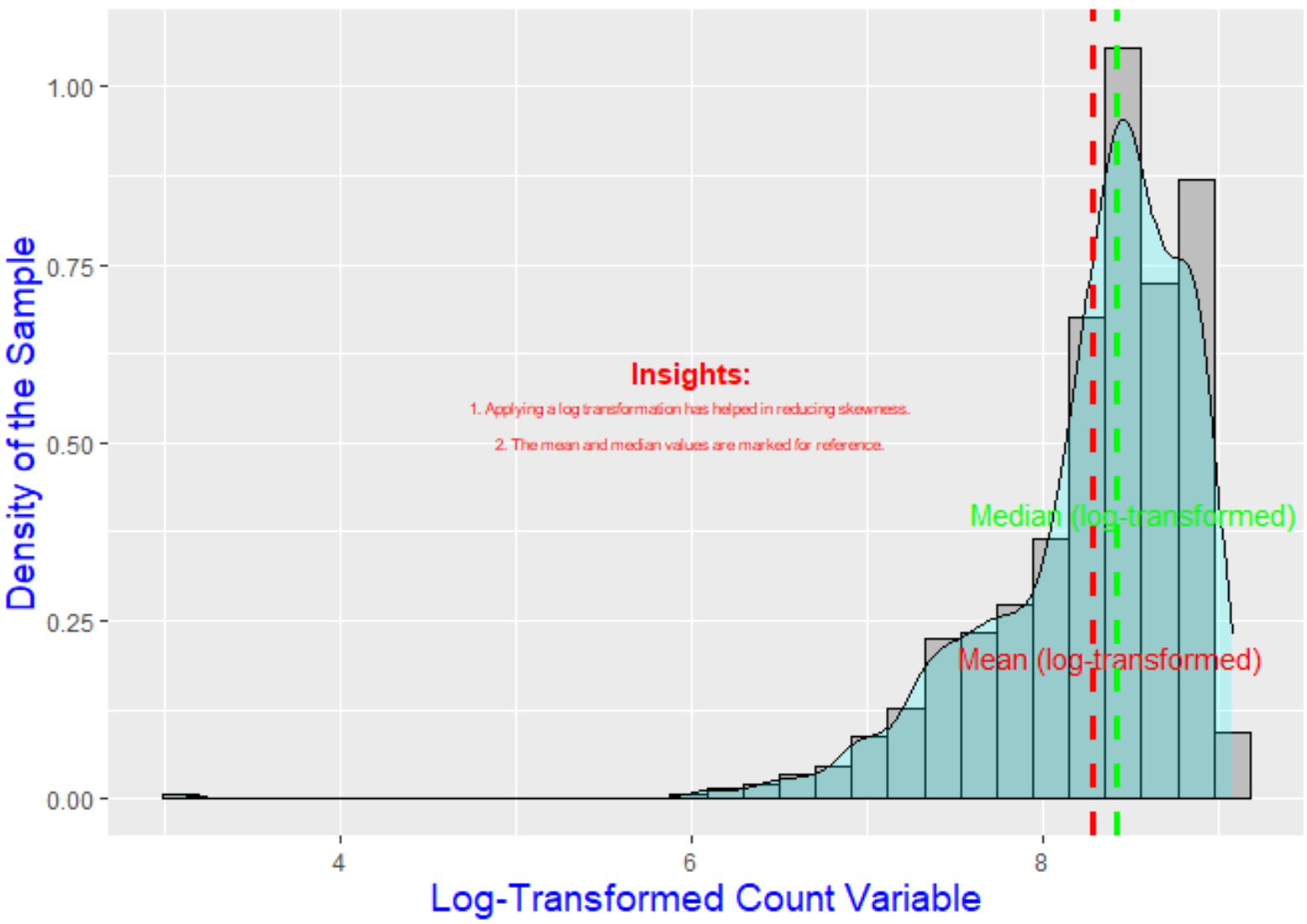
Distribution of Bike Rentals

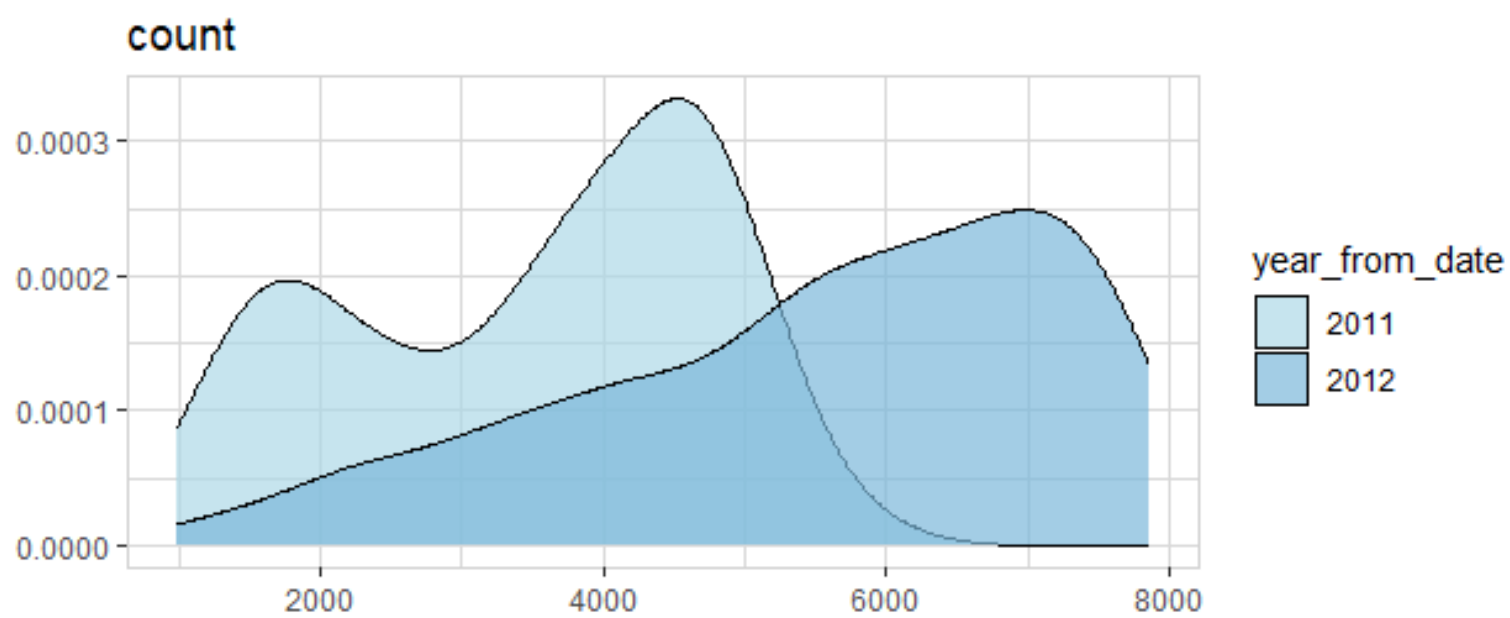


Distribution of Bike Rentals ('count')

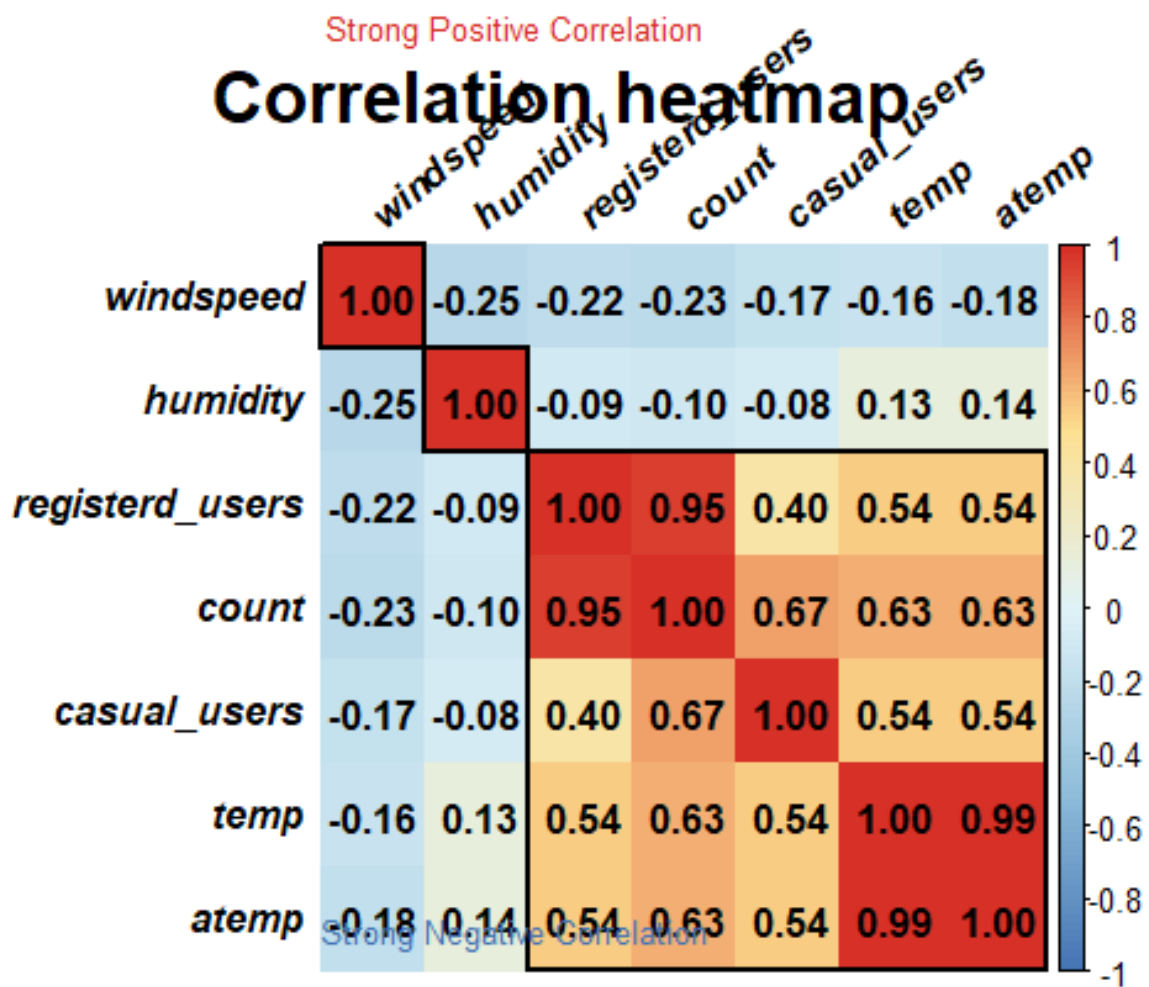


Distribution of Log-Transformed Bike Rentals ('count

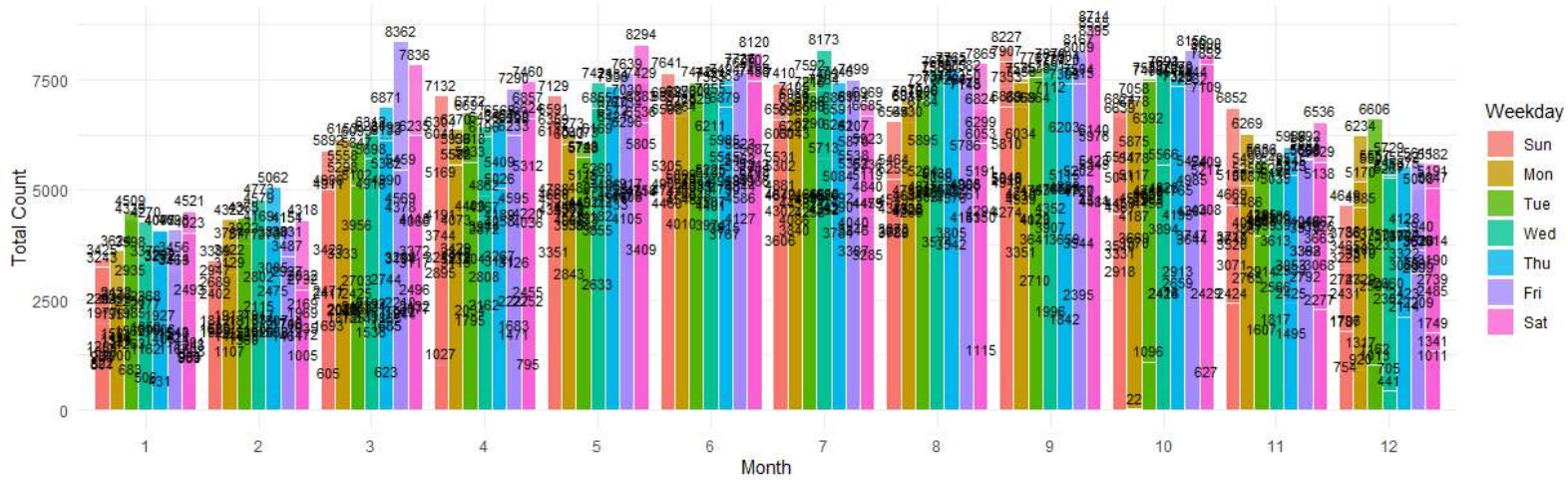




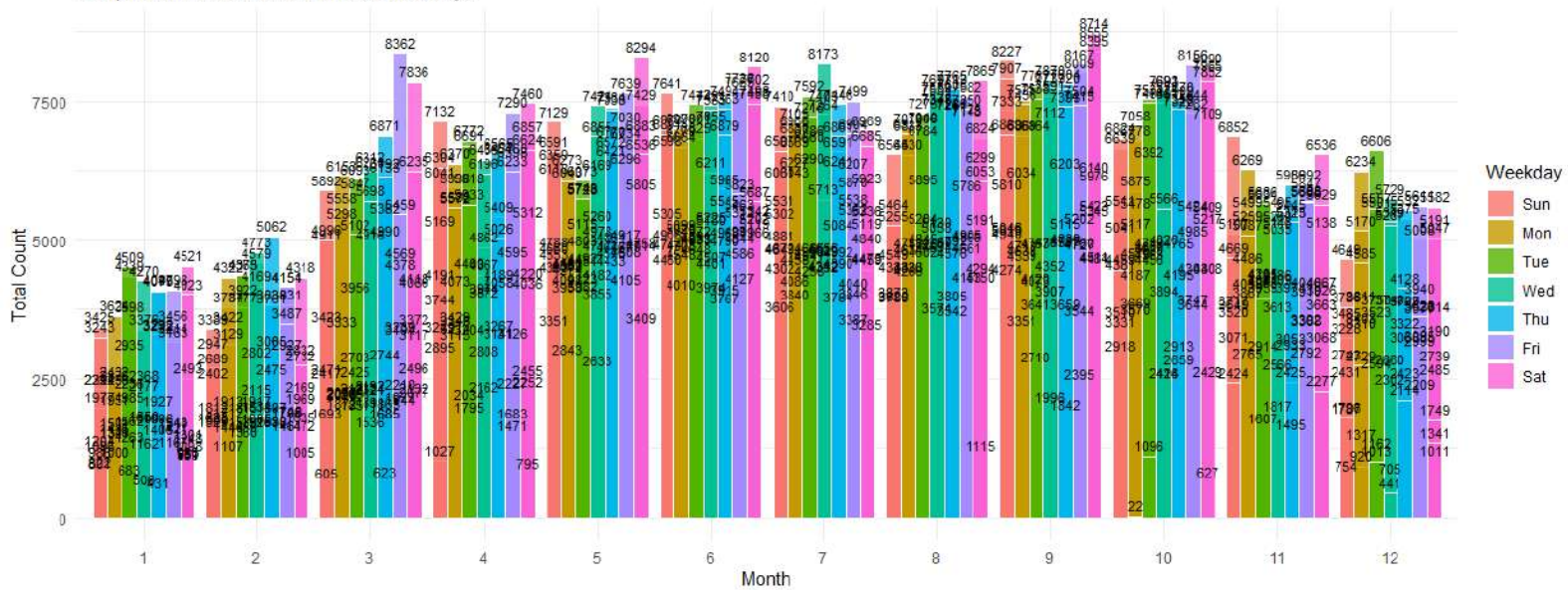
Correlation heatmap



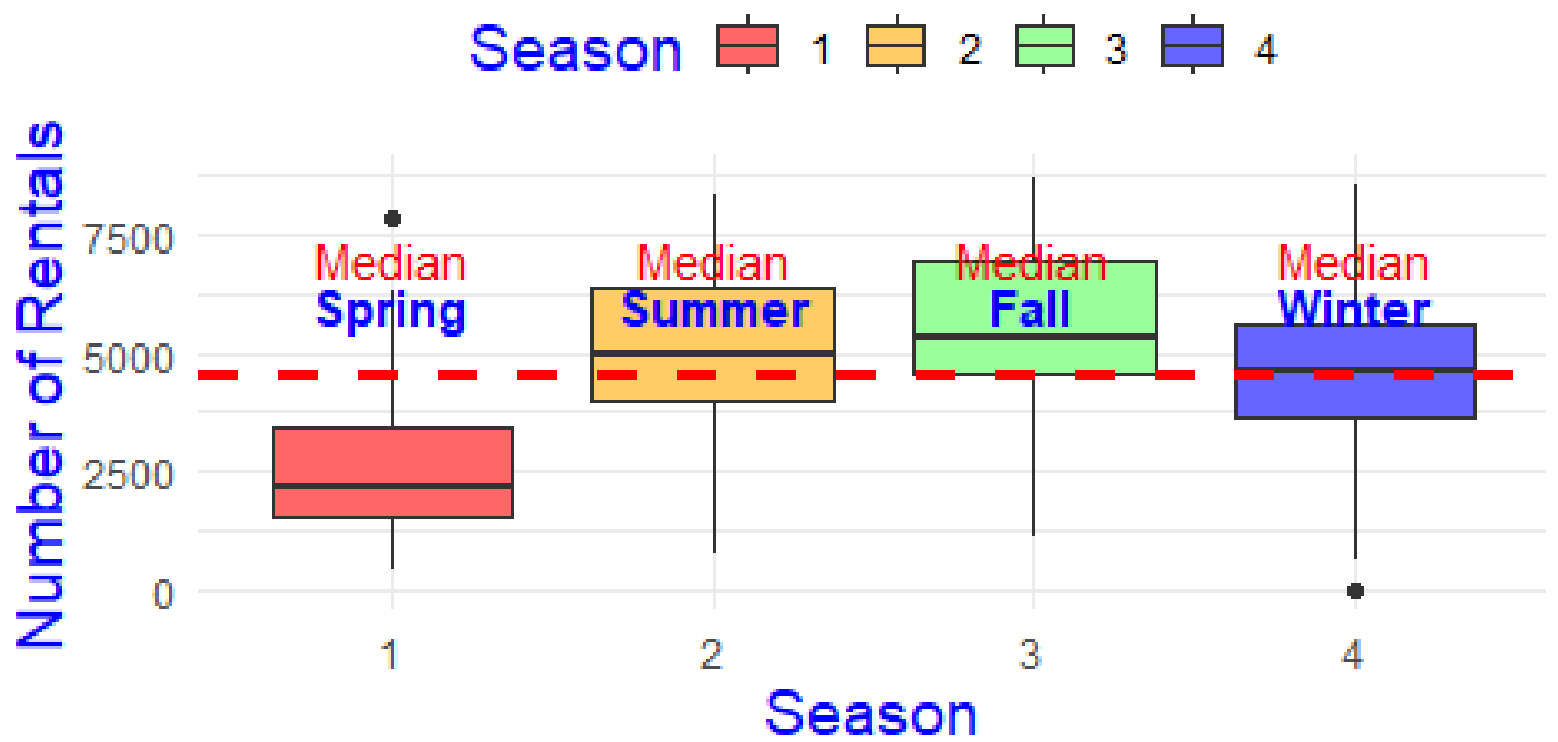
Weekday-wise Monthly Distribution of Counts
Comparison of counts across different weekdays



Comparison of counts across different weekdays



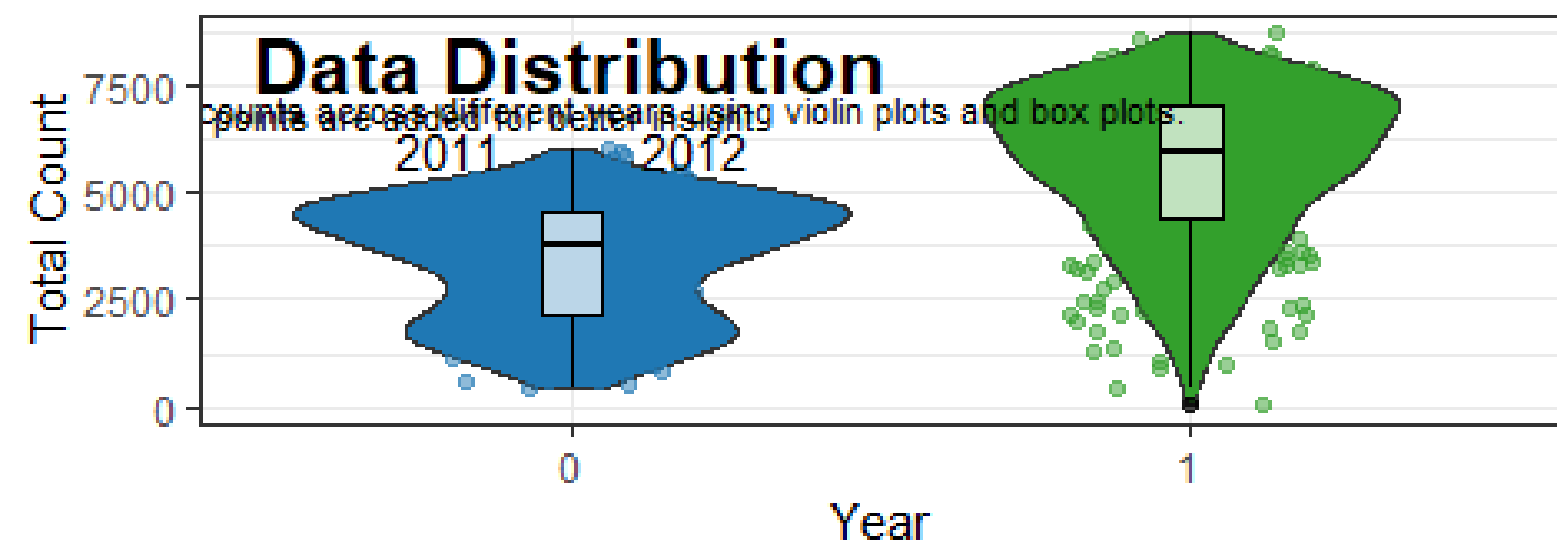
Bike Rentals by Season



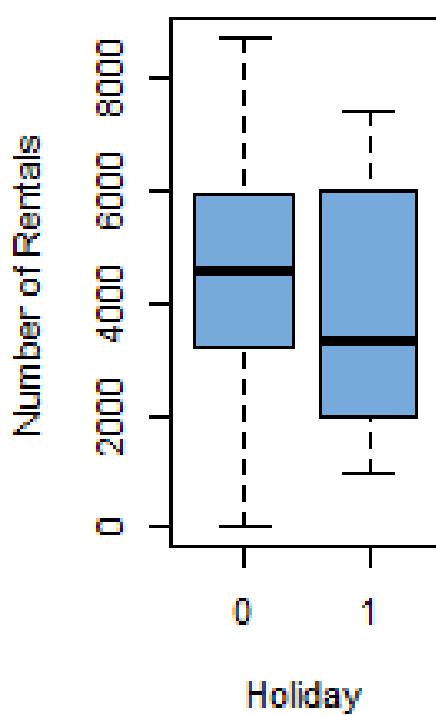
Yearly Distribution of Counts

Comparison of counts across different years

Year ■ 0 ■ 1

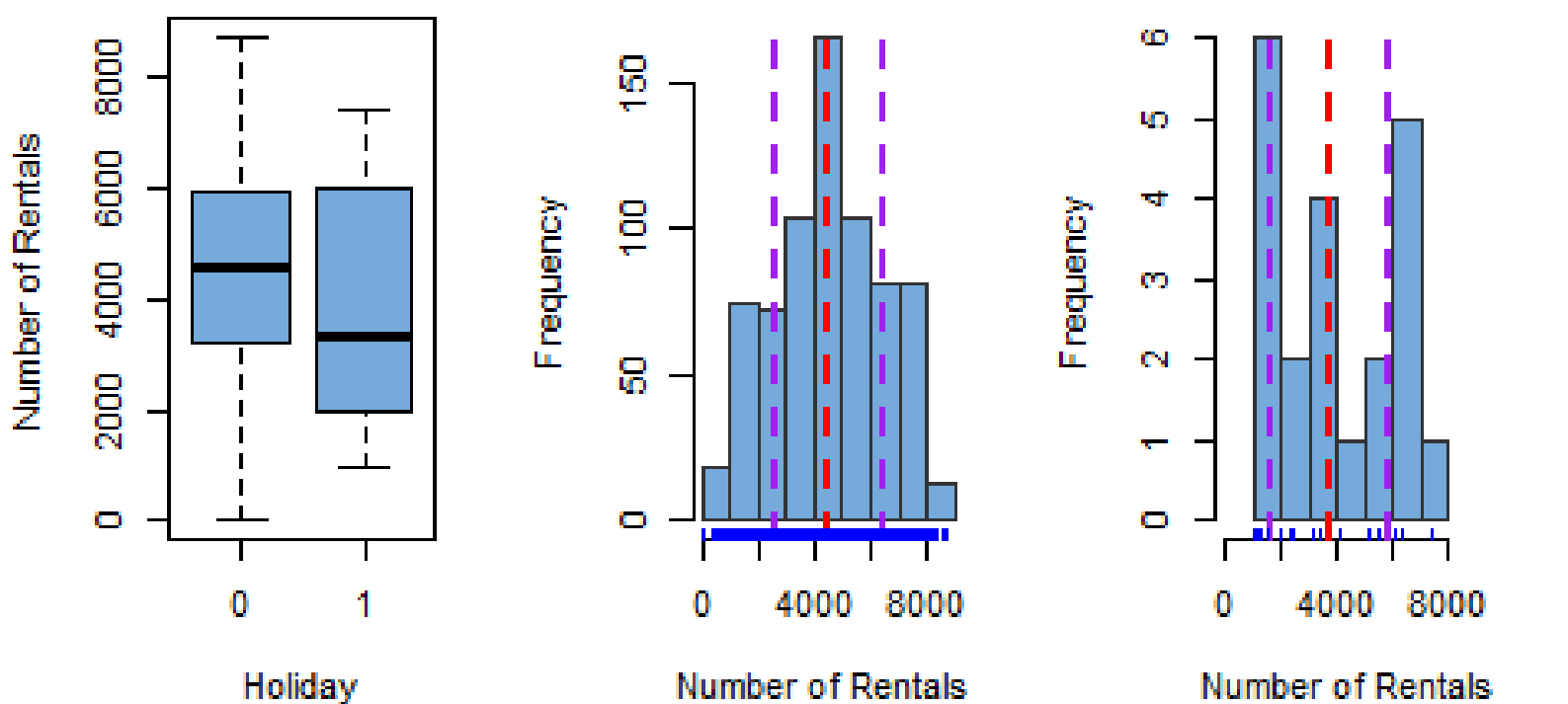


Boxplot of Rentals by Holiday



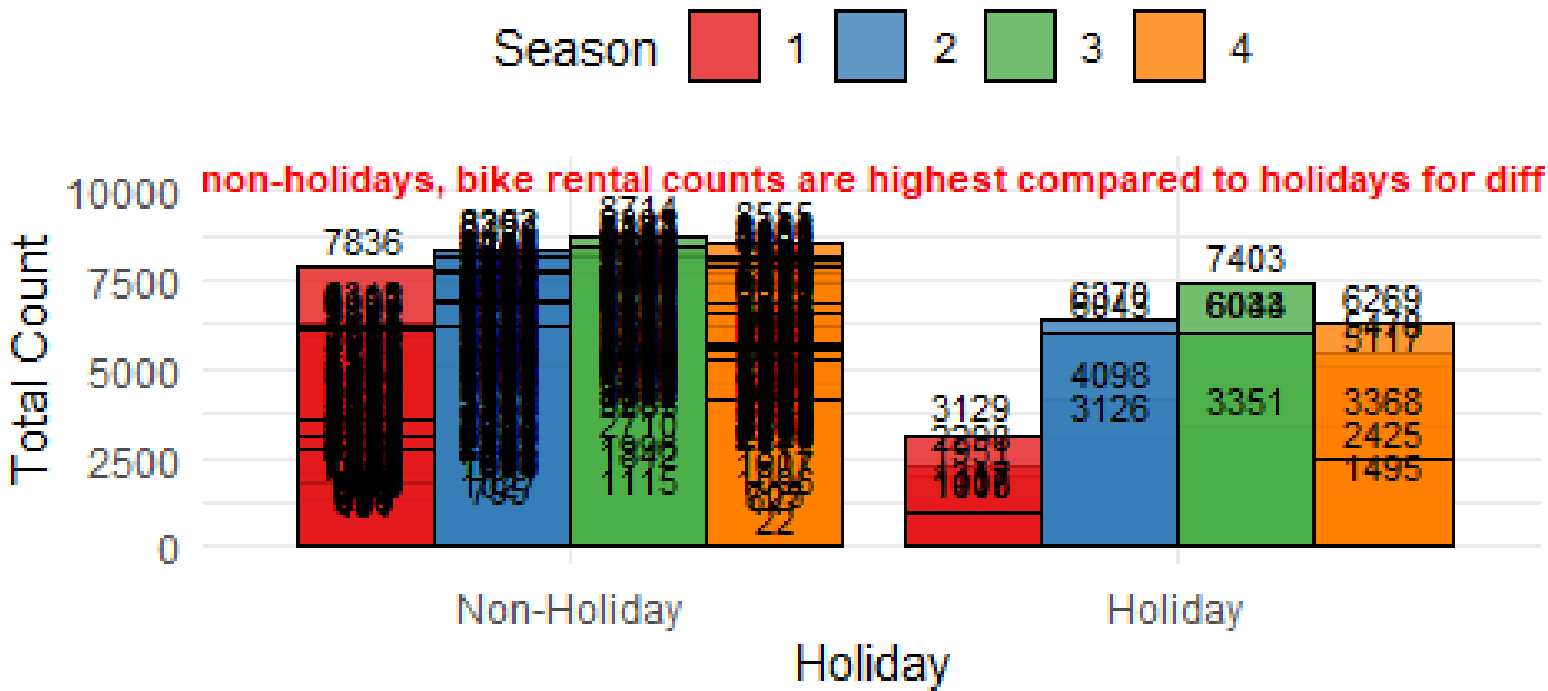
Median: 3351
IQR: 4083

Boxplot of Rentals by Holiday, Histogram of Rentals on Non-Holiday, and Histogram of Rentals on Holiday



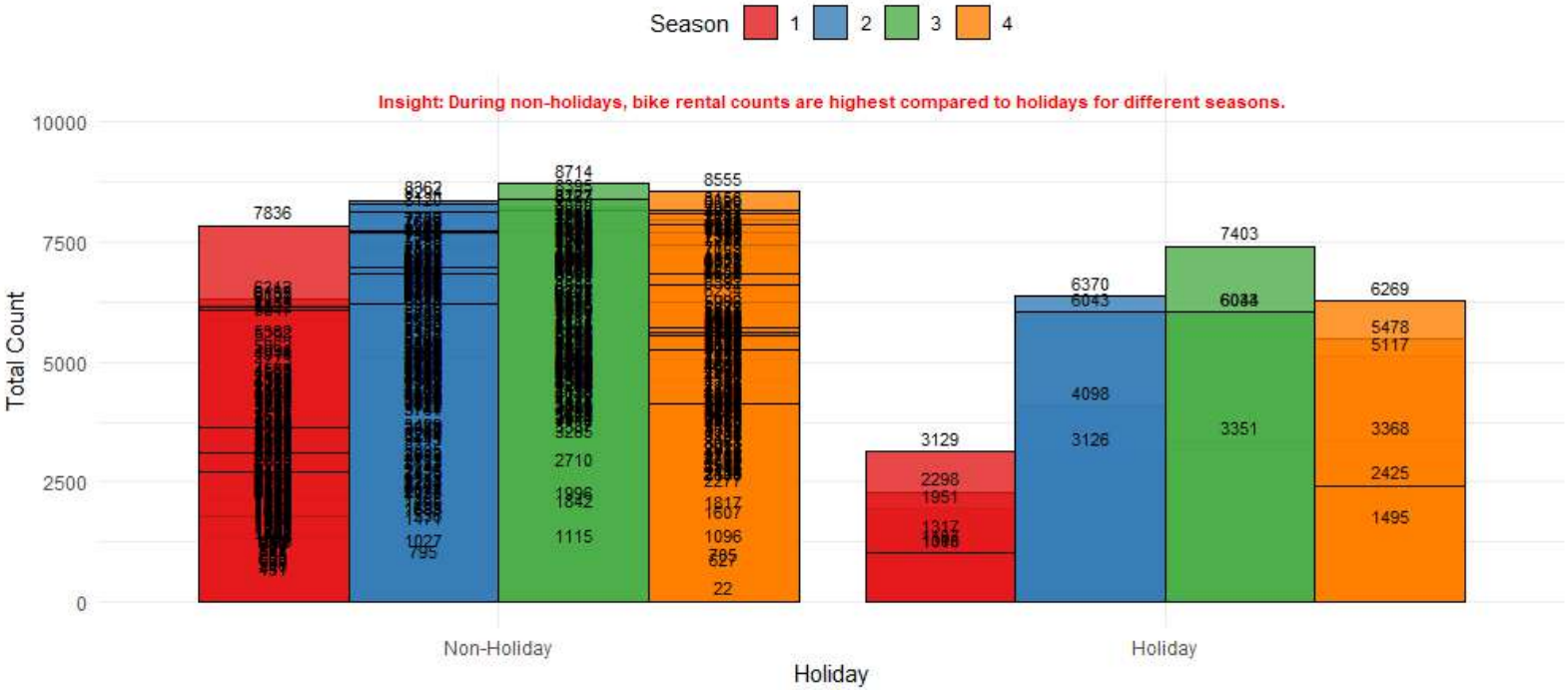
Bike Rentals Analysis: Holidays vs. Non-Holidays

Comparing counts on holidays and non-holidays across different



Bike Rentals Analysis: Holidays vs. Non-Holidays

Comparing counts on holidays and non-holidays across different seasons

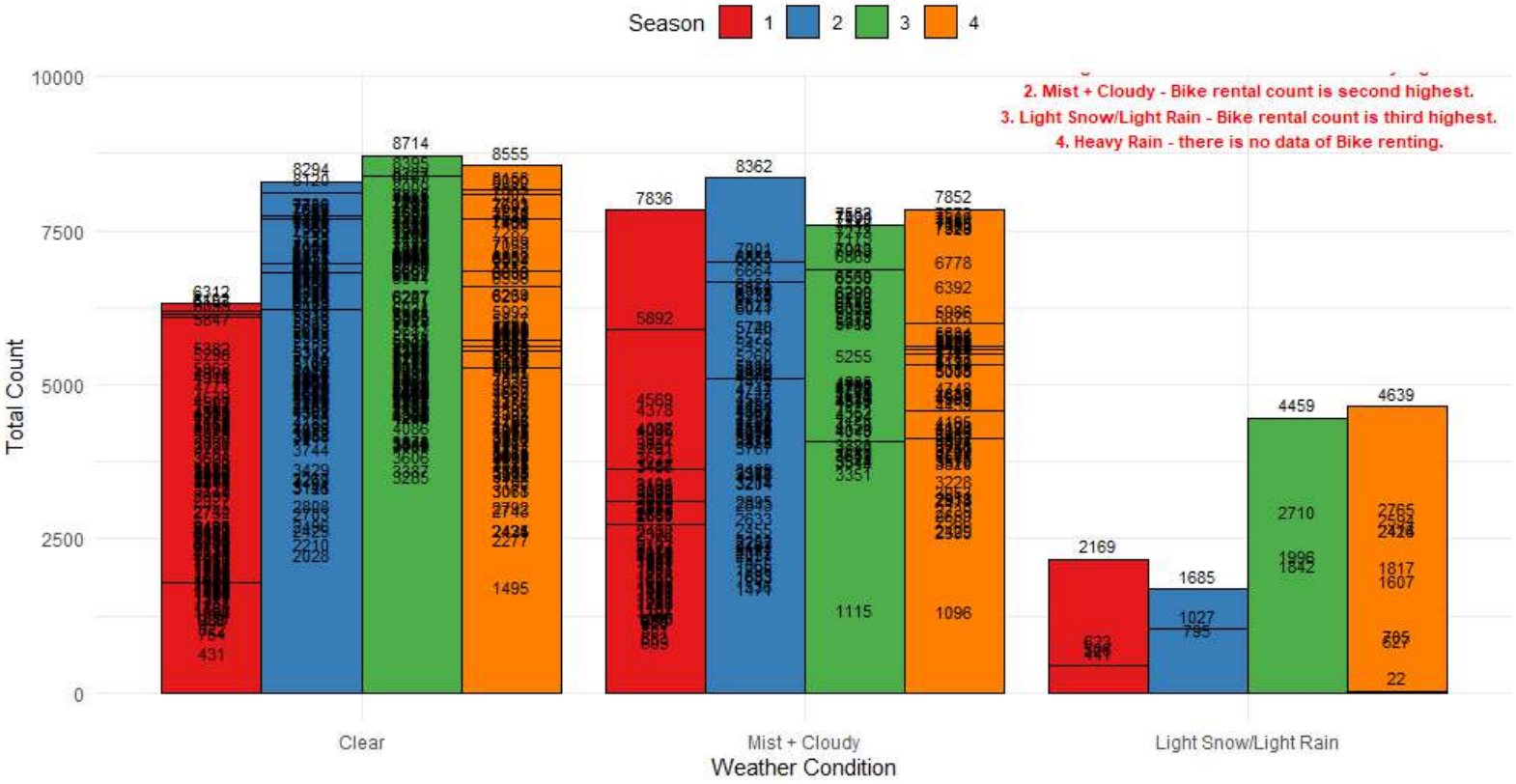


Bike Rentals Analysis: neither weekend nor holiday vs. other days
Comparing counts on working days and non-working days across different seasons



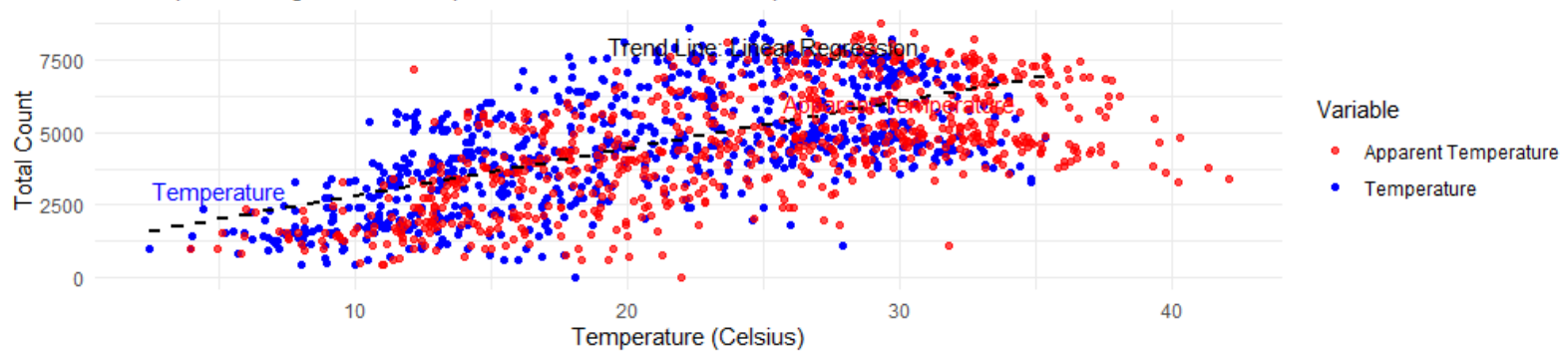
Impact of Weather Conditions on Bike Rentals

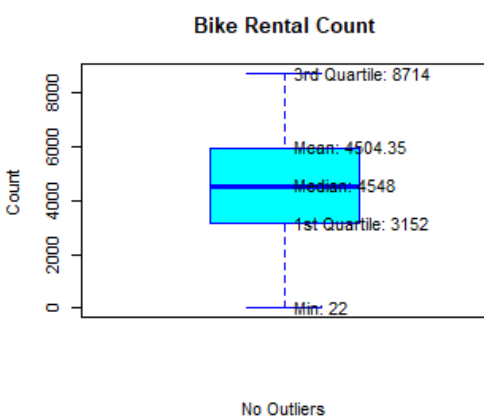
Comparing bike rental counts under different weather conditions across different seasons



Bike Rentals vs. Temperature and Apparent Temperature

Scatter plot showing the relationship between bike rentals and temperature variables





Correlation Plot

