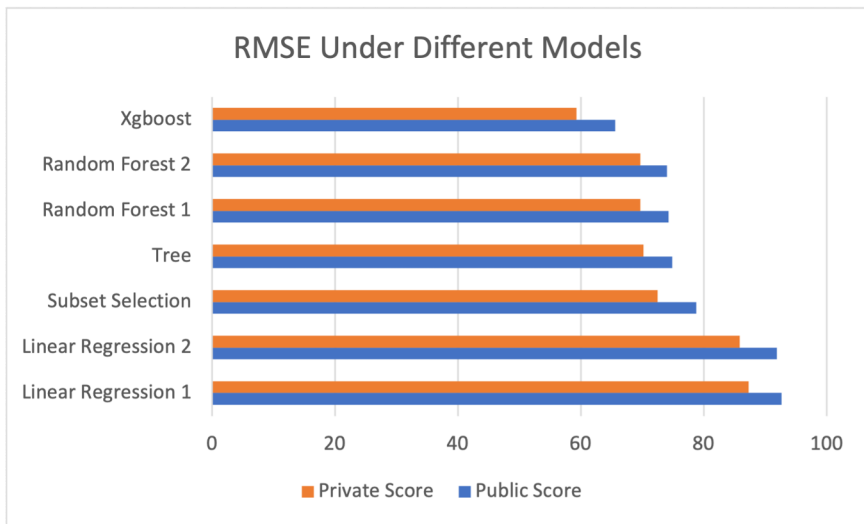# Predicting Airbnb Rent Price in New York City

Haoyu Wang

RMSE Under Different Models

Best Model: XGBoost

Final RMSE: 59.33330

Methods

Data Exploration & Cleaning

- Find out NAs/Blanks
- Replace NAs/Blanks to median/0

Feature Selection

- Best Subset Selection
- Forward Selection & Backward Selection & Stepwise Variable Selection

Predict Model:

- Linear Regression
- Decision Tree
- Random Forest
- XGBoost

Result:

The data cleaning is the biggest part in my project.

XGBoost works the best among other models