STA 521 Final Project

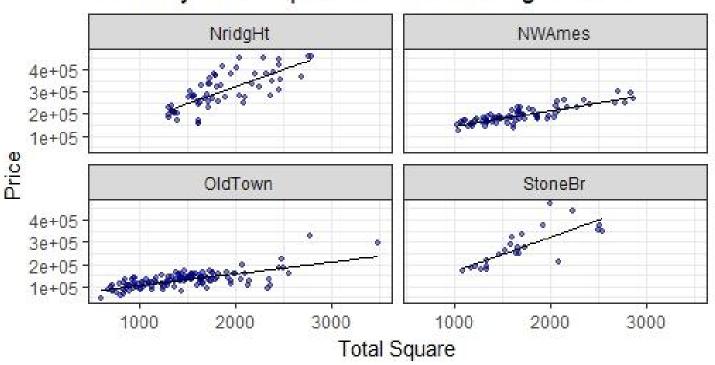
Prediction of House Prices

BayeStar



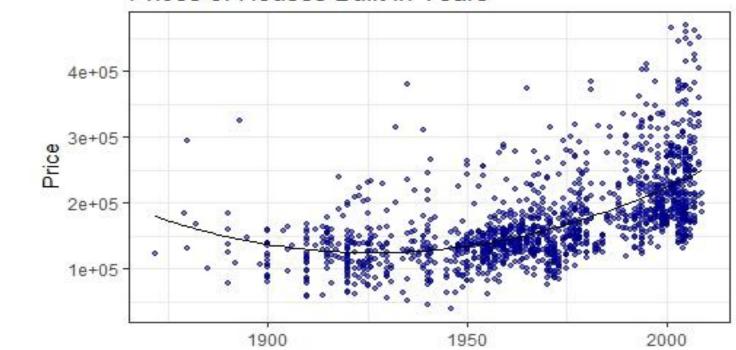
Exploratory Data Analysis

Prices by Total Square in Different Neighborhoods



Exploratory Data Analysis

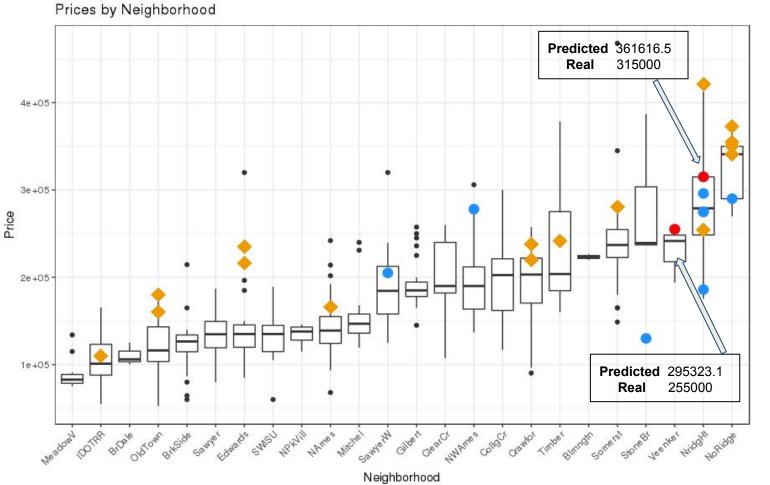
Prices of Houses Built in Years



Linear Regression

- Remove variables with few unique values
 - Contain no information (E.g. Utilities)
- Transformations
 - Log transformation (E.g. log(Lot.Area))
 - Nonlinear relationship (E.g. poly(Year.Built,3))
 - Numerical -> Categorical (E.g. factor(MS.SubClass))
- Interactions
 - Numerical-categorical pair
 - Describe the same features
 - (E.g. Lot.Area & Lot.Shape)







Thank You!

