

Lab2: Linear Regression

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Tetherless World Constellation Rensselaer Polytechnic Institute

Lab 02

Files:

https://rpi.box.com/s/iby6k1sdugnwmixd63uxrrgkm3dyro7y





Exercise 1: linear models

Your exercise: Examine the influence of various variables on property price

Dataset: NY-House-Dataset.csv



Using the code in NYHousing_Linear_Regression.R do the following:

- Fit <u>3</u> linear models with Price as the response variable and combinations of PropertySqFt, Beds, and Bath as predictors
- Do any data cleaning (outliers, etc.) to get the best possible models. Remember that you may need to transform a variable for a better fit
- For each model print the model summary stats and plot the most significant variable vs Price with the best fit line as well as a scatter plot of the residuals for the model.
- Compare the 3 models and decide which you believe is most useful. You
 don't need to tell me which one.





Please push to your github repository:

- 1. All your code in a *.R or *.MD file
- 2. Summary stats and select plots from 3 linear models



Thanks! Have a great weekend!



