**Team registration and proposal**

•The team members of the final project group

Kwangmin Kim(kk3225), Austin Yue(ly2428), and Kathryn Addabbo(kma2162)

• The tentative project title

Analysis of Score and Price of Housing Depending on Boroughs in NYC

• Goal

Our goal is to analyze the housing price and quality in NYC. Since NYC is one of the largest city in the world, countless tourists and students visit this city. As such people staying in the city increase, information on housing has become important. Therefore, our team analyzes the housing quality and price in NYC approximately using Inside Airbnb data and provides clear visualization and meaningful interpretation for the convenience of people.

• The anticipated data sources:

Inside Airbnb

• The planned analyses/visualizations

1. Linear Discriminant Analysis or Quadratic Discriminant Analysis by boroughs
2. K-Nearest Neighbor by boroughs
3. Ridge regression or Lasso regression for interpretation between price and predictors
4. Generalized Additive Models for prediction of score and price with priedictors

• The planned timeline:

Role Assignments: 04/24/2018

Clean and Tidy data: 04/25/2018

Visualization: 04/27/2018

Analyses: 04/28/2018

Write Up: 05/04/2018 – 05/06/2018