**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 each of New York City’s five boroughs. Countless tourists and students visit to explore all the attractions NYC has to offer as one of the largest cities in the world. Being a dynamic environment, the overall population of the city fluctuates daily. To handle the influx of individuals, information on available housing is extremely important. One of the most well-known housing companies is Airbnb. Our team is interested in analyzing quality and pricing for the houses under Airbnb contract, using the company’s released dataset in September 2017. Our intent is to provide clear visualization and meaningful interpretation of the data for convenience of visitors and all interested in the service of Airbnb.

• 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