Proposal – Final Capstone

Introduction – New York City has the highest population per capita for a city in the United States. In result of this, many citizens of the city need to use different modes of transportation to get to and from work as opposed to driving like many do in other parts of the country.

- What is the problem you are attempting to solve?
    - Predicting the mode of transportation for people depending on which Borough they live in, in New York City.

- How is your solution valuable?
    - Understanding what is the best way to support neighborhoods and getting people to where they need to be quickly and safely.

- What is your data source and how will you access it?

Please review the attached website –

https://www.kaggle.com/muonneutrino/new-york-city-census-data#nyc_census_tracts.csv

Using jupyter notebooks to

- What techniques from the course do you anticipate using?
    - K Nearest Neighbors
    - Clustering
    - Random Forest

- What do you anticipate to be the biggest challenge you'll face?
    - Growing up in a small town I am excited to see how individuals in a large city choose to get around. Some of the challenges I think I will face are:
        - Recognizing why a certain model is predicting/ working better than others
        - Deciding on the best way to present and visualize my findings
        - Determining if there is missing data the best way to proceed so that my results are strong and accurate as possible.