**GA Tech Data Science Bootcamp**

**August 2018**

**Project 1**

**Project Title: Where Should I Move?**

**Team Name:**

1. Reema Singh
2. Serena Terry
3. Elisa White
4. Portia Essuman
5. Andy Watson

**Project Description / Outline:**

Our project will focus on criteria to review for house-hunting. A person decides they want to relocate and has certain criteria they use to find their next home. We are creating an application that allows anyone to input a desired city and return data for that location

1. Location (Elisa)– Choose location (i.e.
   1. Distance from Work
   2. # of Grocery Stores within location radius
   3. # of Restaurants within location radius
2. Price Range (Andy)
3. Crime Rate (Portia)
4. Transit Options (Serena) (i.e.
   1. Bus
   2. Taxi
   3. Bike Path
5. School (Reema)

**Research Questions to Answer**

1. What correlations do we observe?
   1. Is there a correlation between crime rate and school
   2. Is there a correlation between crime rate and transit options
   3. Is there a correlation between crime rate and price
2. Compare cities
   1. Based on criteria, which city is better? Say why based on data from correlation results.

**APIs**

Real Estate: ATTOM Data Solutions - <https://www.attomdata.com/news/attom-insights/best-apis-real-estate/>

Zillow - <https://www.zillow.com/howto/api/APIOverview.htm>

Schools: SchoolDigger - <https://developer.schooldigger.com/>

Crime: IBM Cloud Data Services - <https://developer.ibm.com/clouddataservices/2016/11/03/open-crime-data/>