The Team

Betsy- clean uber data, matplotlib uber, trend uber, present uber

Sarah- clean taxi data, matplotlib taxi, trend taxi, present taxi

Camilla- clean weather data, matplotlib weather, trend weather, present weather

Monica- divergences between taxi and uber data, trend taxi and uber, present main trends with taxi and uber

Weather directly impacts New York Taxi and Uber Use

Does the outside temperature affect people’s use of transportation, specifically taxis and rideshare?

Does precipitation have the same effect?

Do the conditions affect the decision between taxis and uber?

Data Sources

538 Uber Rides: New York City: April – September 2014, January -June 2015

538 data obtained from Kaggle

TLC Trip Record: New York City: January 2009- June 2015

Released Data from website

Open Weather API: New York City: April 2014- June 2015; selected dates  
 Obtained API key and accessed data from website

Strategy and Metrics

1. Extreme temperatures and precipitation will link to increased Taxi and/ or Uber usage.
   1. Extreme temperatures above 90 degrees and below 40 degrees Fahrenheit.
   2. Precipitation: rain, snow, sleet, hail

Data Analysis Tools Plan

Pandas and Jupyter Notebook- to clean and format data, including data exploration and illustration

Matplotlib to visualize the data that answers the aforementioned questions.

API- Open Weather to access the temperatures and account for the precipitation amounts and occurrences for the prescribed months.

Google Docs- Summarize and share findings based on data analysis.

Products Produced

Matplotlib- Graphs and charts that help visualize findings

Jupyter Notebook- Present data findings