

## Artifact Sprint5

### What analytics feature(s) to implement next week?

- Compare the number of active vehicles of Uber vs FHV over two months, to see any correlation. Ex. FHV becoming less popular, compared to Uber in Jan-Feb 2015
- What time of the day is traffic in NYC at an all time high? Compare the range of time of day and the number of calls during those ranges.
  - Morning
    - 6 - 12 military time
  - Afternoon
    - 13 - 18
  - Evening
    - 18 - 00
  - Night
    - 00 - 6
- Increase in popularity of uber over the course of a year, comparison between Apr-Jun 2014 vs Apr-Jun 2015

### Breakdown the goals into the actionable tasks

- Question 1
  - Parse 2 new files
  - Create HTML page
  - Analysis function counting how many vehicles are active Uber vs Non-Uber
  - Graph Creation
- Question 2
  - HTML Page, with searching
    - Range Based
    - Allow combinations of these
  - Analysis function for time of range
  - Graph Creation
- Question 3
  - Parse another file
  - HTML Page select range on months searching functionality
  - Analysis function for Increase in popularity
  - Graph Creation

### Taskboard:

**All:** Look into Jest

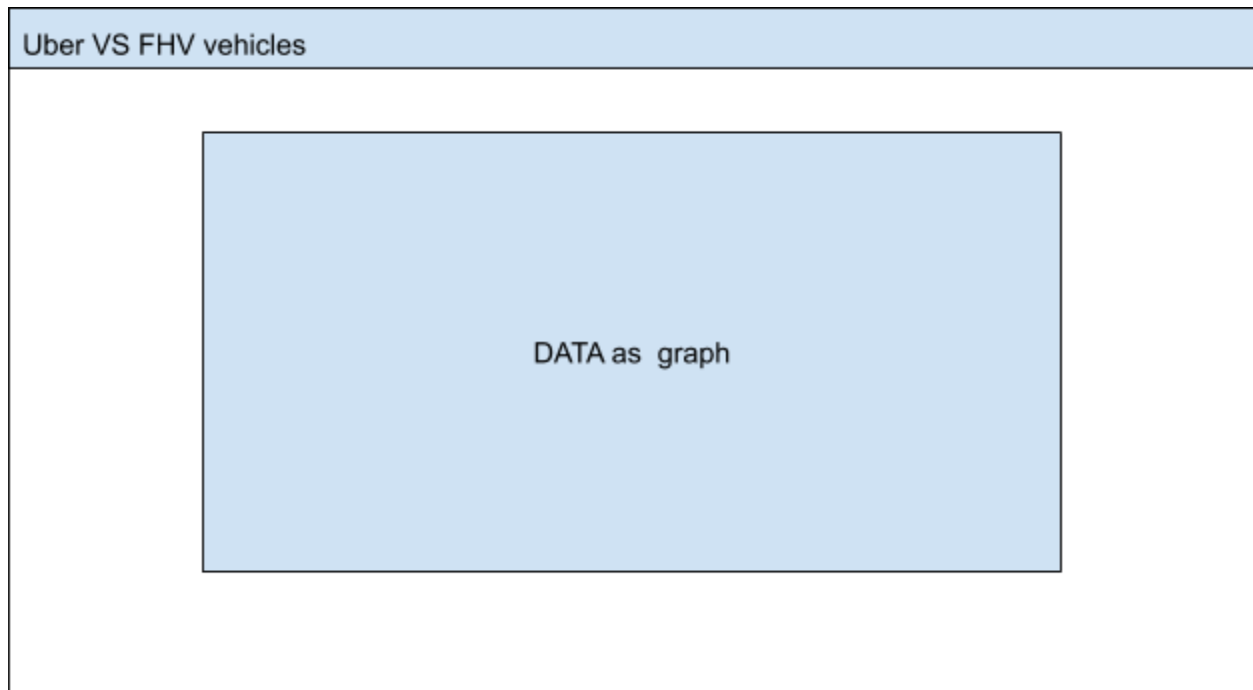
- David:
  - Graphs for all 3
  - Test functions for JEST
- Melanie:
  - Create 3 HTML page, containers for graphs

- Khuaja:
  - Analysis function counting how many vehicles are active Uber vs Non-Uber
  - Finding range of times and calculating number of calls
  - Server side sending data
- Jason:
  - Add the previous analytic to that class
  - Analysis function for Increase in popularity
- Surya:
  - Read in the two files, UBER VS FHV and parse
  - Add the Map, for a searching function ARCGIS

### Define task completeness criteria (test cases if needed)

- Question 1
  - When user loads up the page, they see a graph that shows a line graph comparing the FHV vs Uber, the number of vehicles being used
- Question 2
  - When user loads the page they can search for multiple range of time and get a graph that shows peak time of the day, which correlates with more amounts of traffic
- Question 3
  - When user loads the page they can select months of comparison between uber and how it has grown over the year

### GUI Design



### Time of day

Search Bar

All Range selections ↓

Search

Specific Selection

DATA as graph

### Uber growth over the course of year

Select Month From ↓

Select Month To ↓

Search

DATA as graph