

Sprint-1 Artifact

Members: Jacob Alamparambil, Thuan Vu, Ivan Carrillo, Yiu Ming Wong, Estela Ramirez Ramirez

Dataset:

- Uber Pickups in New York City
- [Link](#)
- Size: 875mb
- Files: 19

Known Data

- Pickup date, time and location
- # of active vehicles and trips for a specific date

Platform:

Web Application

Programming Languages:

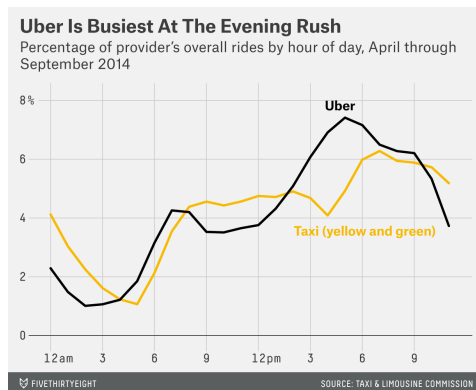
- HTML
- CSS
- Javascript

Frameworks / Libraries / Other technologies:

- ReactJS
- NodeJS

Features List:

- What are the peak hours for Uber pickups during the day? (line graph like in article)



- What are the top-3 popular streets that get the most pickup requests? (list: with number count)

tables-

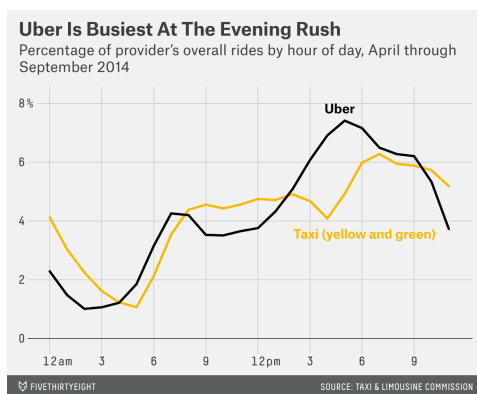
2014

Street Name	# of Pickups

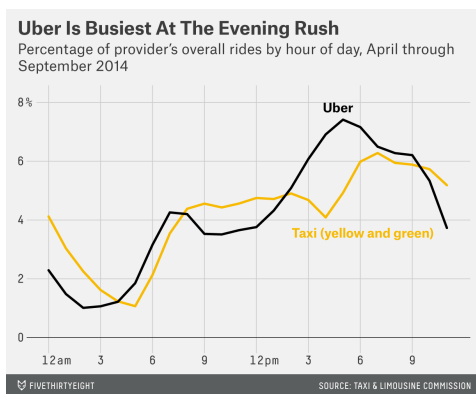
2015

Street Name	# of Pickups

How do popular streets change overtime during the day?



Street 1



Street 2

- What are the peak days for Uber pickups

(Bar graph)

- Average pickups per month.

(line graph)

- Average number of pickups in August 2014

The most popular month in 2014 or 2015 ->

- Uber drop offs compared to other companies

Backend

- 1) Create a react application
- 2) Create backend /folder inside with node js(npm init) inside react app folder
- 3) Install dependencies there (express)
- 4) Create a server file(include dependencies (express))
- 5)
 Create models folder with models for data
 Model:
 Schema
 Module.exports = schema name
 (organizes the way data is send)
- 6) Create routes folder with routing of http requests
- 7) Include routes in server file

Frontend

- 8) In the react application under the src folder create a components folder with your components.
- 9) Follow format of the component and connect the backend http requests with frontend requests using axios or fetch.

DEMO:

Uber-Jan-Feb-FOIL.csv

- 1) Create a nodejs application(npm init) and install dependencies
- 2) Create a server file with dependencies and use app.listen to start server
- 3) Add a routing file with http requests and import it into server file
- 4) Using above csv file , do http get request for date
- 5) And another http get request for trips