

## **LAB 5 - Uber Calculations**

**Platform:** Desktop

**HTTP client:** Node.js

**Languages:** Java, Javascript

**Dataset:**

[https://www.kaggle.com/fivethirtyeight/uber-pickups-in-new-york-city?select=other-Dial7\\_B00887.csv](https://www.kaggle.com/fivethirtyeight/uber-pickups-in-new-york-city?select=other-Dial7_B00887.csv)

**Data We Have:**

- Uber trip data from 2014 and 2015
  - The dates and times of each Uber trip
  - Pickup Addresses
  - Uber Base Numbers
- Non Uber trips from other companies from 2014 and 2015

**Feature List:**

- **other-Dial7\_B00887.csv**
  - Feature 1: As a user I want to know the earliest pickup time for an address.
  - Feature 2: As a user, I want to know the busiest state.
  - Feature 3: As a user, I want to know the busiest Pickup location.

**Task-Completeness criteria:**

- Feature 1: As a user I want to know the earliest pickup time for an address.
  - User should be able to search a time in the format “xx:xx” and the results written into the listview.
- Feature 2: As a driver, I want to know the busiest state.
  - User should be presented with the busiest state on load of the data.
- Feature 3: As a driver, I want to know the busiest Pickup location on load of data.

- User should be presented with the busiest pickup location on load of the data.

### **To-Do List**

To do list for next sprint

- Update GUI
  - Add textfield for busiest state.
  - Add textfield for busiest pickup.
- Update Controller
  - Add logic for the busiest state textfield, should call a function from the analysis class.
  - Add logic for busiest pickup textfield, should call a function from the analysis class.
- Create Analysis class.
  - Add function for busiest state.
  - Add function for busiest pickup.

Done list for last sprint:

- GUI
  - For adding, deleting, updating dataset entries.
    - Add buttons for each operation.
      - Finished by Patrick Fenn
    - Add the correlating logic in the controller
      - Finished by Patrick Fenn
  - For backup and import
    - Add buttons for each operation
      - Finished by Patrick Fenn
    - Add correlating logic in the controller.
      - Finished by Patrick Fenn
- Create a class for backup and import functionality.
  - Need to save current listview entries in a text file.
    - Finished by Patrick Fenn, used serialization output instead.
  - Need to load the backed up data from a text file.
    - Finished by Patrick Fenn