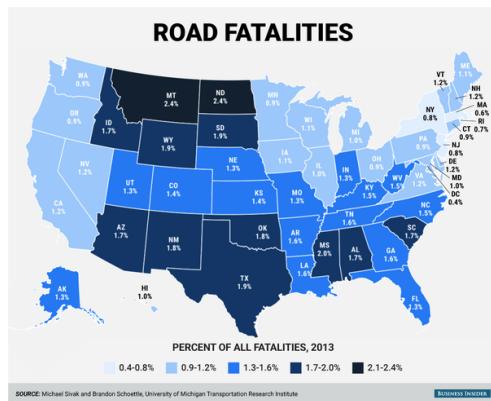
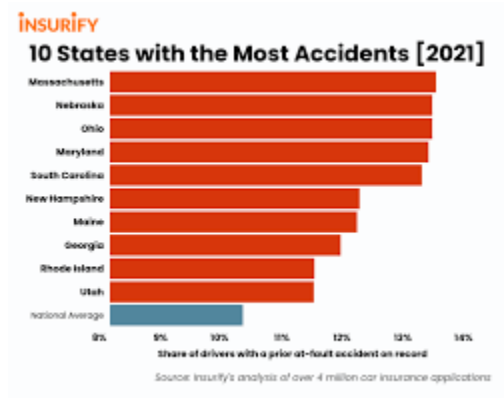


3 Analytics

Feature 1: Number of accidents per state

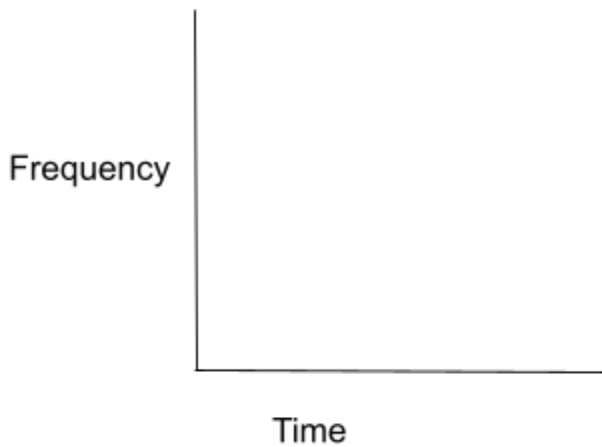


Feature 2: Top 10 cities with most accidents



Feature 3: Given a date, show a histogram of all the accidents on that day and the time they occurred

On a specific date:



Test Cases

Feature 1 Test Case: As a user I want to click on the nav-bar that selects “Top ten most accident prone states” and have it display the analytics.

-Test Case 1: As a user I want to select the nav-bar and have the page change

Correct Output: The page routes to the correct analytics page.

Feature 2 Test Case: As a user I want to click on the nav-bar that selects “Top ten cities with the most accidents” and have it display the analytics.

- Test Case 1: As A user I want to click on the nav-bar button and have the page change
- Correct Output: The page displays the appropriate analytics
- Test Case 2: As a user I want to click on the nav-bar button that reads “Home”
- Correct Output: The page changes to the home page

Feature 3 Test Case: As a user I want to click on the nav-bar that selects “Accident By Date” and have it display the analytics.

-Test Case 1: As a user I want to select the nav-bar and have the page change.

Correct Output: The page displays a date selection form.

-TestCase 2: As a user I want to select a date and see the analytics for that date.

Correct Output: The page displays a histogram showing how many accidents occurred in each time interval for the specified date.

To Do for Next Sprint

Front-end:

- Nav-bar and front end routes for different analytics pages
- Clean up the form css / make the website look nicer
- 3 analytics rendered

Back-end:

- Load data from CSV file on server start
- Backup data on server close
- A function that returns the number of accidents per state.
- A function that returns the start time of each accident
- Parse the whole CSV file with all the accidents

Done List of Last Sprint

Demo: (Yiu Ming Wong)

Front-end:

- Modal popup for edit, and add record forms (Ivan Carrillo)
- Create / edit record forms (Ivan Carrillo)
- Created table-GUI with edit and delete buttons (Yiu Ming Wong)

Back-end:

- Backup data to json file (Ivan Carrillo)
- Connected delete button & add record button to backend routes (Yiu Ming Wong)
- Created routes for delete & create to json (Thuan Vu)
- Created parsed data through accident-ID(Thuan Vu)
- Created segmented.js to parse only the useful information to reduce size from csv to json (Thuan Vu)