

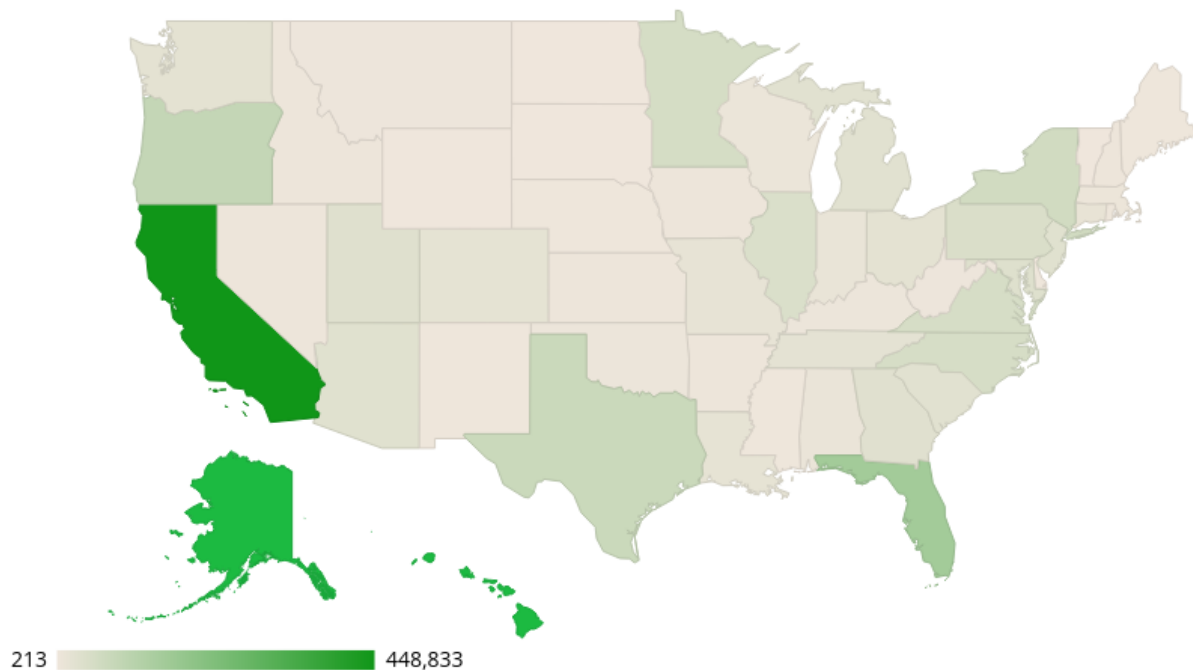
Features to implement in next Sprint:

- **More Geochart options**
 - **Feature 1:** Displays geochart according to ratio of accidents to state population
 - **Feature 2:** Displays geochart based off accidents which occurred in incimate weather (i.e, conditions such as rain, snow, hail, winds of 30 mph or greater, visibility of less than 0.25 miles, temperatures below freezing (32°F), etc)
- **Bar Chart**
 - **Feature 1:** Displays frequency of accidents based on year, month, time, and weather
 - **Feature 2:** Drop down menu to toggle which bar chart is displayed

GUI Mockup:

Geochart

Example coloring, not accurate.

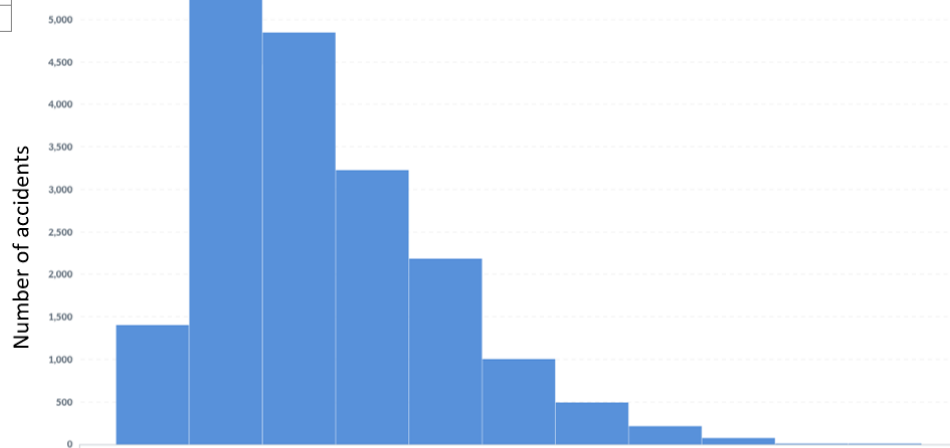


Histogram

View By:

Year
Month
Time
Weather

Drop Down Menu



Variable – will change depending on option selected by user i.e. if user selects to view frequency by month, will show January, February etc.

Test cases:

- **Feature 1 Test Cases (Geochart of accidents-to-population):**
 - **Test Case 1:** Select the option to change Geochart to display according to accidents-to-population ratio.
Correct Output: Geochart changes coloring to reflect each state's accidents-to-population ratio.
 - **Test Case 2:** Select an option to change Geochart to display based on a different selection.
Correct Output: Geochart changes to coloring based on the newly selected option.
- **Feature 2 Test Cases (Geochart of inclimate weather):**
 - **Test Case 1:** Select the option to change Geochart to display according to inclimate weather.
Correct Output: Geochart changes coloring to be based on accidents inclimate weather.
 - **Test Case 2:** Select any combination of weather conditions.
Correct Output: Geochart changes coloring to be based on the selected weather conditions.
 - **Test Case 3:** Deselect a previously selected weather condition(s).
Correct Output: Geochart will no longer include the deselected weather condition(s) as part of the accidents it is based on.

- **Feature 3 (Data Visualization - Bar Chart)**
 - **Test Case 1:** Select option on drop-down menu to change data displayed on the bar chart.
Correct Output: Bar chart changes to display frequency based on variable selected.

TODO LIST

Done list of last sprint

- Data import/export
 - [Finished by Gellert, Luke]
- Geochart
 - [Finished by Gellert, Jacob, Luke]
- Make UI pretty
 - [Finished by Gellert]
- Accident Overview
 - [Finished by Junlong]

Upcoming Sprint:

- Import file feature
- More geochart display options
- Histogram
- Fix UI of Add/Update/Delete for database

