



PROJECT 2

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Team 3

Sneha

Jalil

Monica

Erika

Clinton

Radhakishore

Proposal:

Show the progression of COVID-19 cases in the USA by state. Will also add color commentary on correlation to Liquid Hand Soap sales vs the COVID-19 data.

Specific Requirements list:

1.) Visualization Must include:

- Python/ Flask - Yes
- API : Mapbox API
- HTML/CSS: Yes
- JavaScript: Yes
- Database: Mongo DB

2.) Tracks followed:

- a.) Combination of Leaflet & Plotly
- b.) Dashboard page with multiple charts that update from the same data

3.) New JS Library : TBD

4.) At Least 100 records : YES

5.) User Driven Interaction : Drop down Menus, , filtering options, hover over

6.) At least 3 views :

- a.) Map with hovering ability with confirmed cases , number deaths, and state text boxes
- b.) Comparative Bar graphs , 1 shows top states with number of cases and another shows the top states with number of deaths.
- c.) Table with filter options (State and/or Date)
- d.) Bar Chart comparing COVID-19 cases and unit sales of LHS by week with filter option by state.

Sources:

1. COVID-19 in USA:

<https://github.com/datasets/covid-19/tree/master/data>

2. POS Data for Liquid Hand Soap : IRI Data Total US MULO by State 12/1/19- YTD 3/22/20