**Fan Lan, CRP 458, Covid19 US Dashboard**

1. This project aims to create a Coronvirus dashboard for United States.

2. In the dashboard, I want to demonstrate the Covid-19 cases along with the geographical information. So the first thing is to find a dataset the will give me those information. And the next step is to process the data and convert to a format that will be can be used easily. The next thing is to determine what we want to demonstrate on the dashboard: a heatmap that shows the hot zone, top 10 states on total confirmed, deaths and recovered, and etc. So basically this dashboard is build to help people know the impact of Covid-19 in different states/city of US.

3. These are the technology that I will use: Javascript, Leaflet.js, MapBox, Github, GeoJSON.io

4. Data source: <https://raw.githubusercontent.com/CSSEGISandData/COVID-19/master/csse_covid_19_data/csse_covid_19_daily_reports/04-08-2020.csv>

The data I am using is from the above link. It includes all the COVID-19 cases around the world, and updated daily. My plan is to use one day’s data and parse and validate the dataset to include only US cases with a valid coordinate. And then use this tool (<https://github.com/mapbox/csv2geojson>) to convert the data from CSV to GeoJSON. I already uploaded the parsed dataset on my github repository (<https://github.com/fanlan226/CRP458/blob/master/geojson/cronavirus.geojson>).

5.The challenge is how to visualize the data. My plan is to do a US version dashboard based on this (<https://www.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>).