

**DSC 640 Data Presentation & Visualization**

**Spring 2021 Semester**

**Milestone 1a: Support Documentation**

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### Problem Statement

The pandemic made all of us scary. All the time we are listening in news, reading blogs, social media comments and sentiments. The CDC news and media outlets have been bombarding the public with reports and figures about the trends of human safety and that things are not looking good. What was previously thought as the safest way to travel and shop. Now being presented as one of the most dangerous to the public. But are any of these claims based on facts?

You work for travel industry on the data science team as a data analyst and are a resident data visualization expert. You have been tasked with helping multiple groups in the organization combat this negative probability and help the travel sales, Hotel industry sales. There is a fear internally about what this type of media coverage will do to travel, hotel sales and how it could impact the future of the company. Not only do they need you to help create some internal communications, but you will also be tasked with what is published to the public and the media.

### Response

As of July 2020, the outbreak of the coronavirus disease (COVID-19) had been confirmed in over 210 countries and territories. The virus had infected over 200 million people worldwide, and the [number of deaths](https://www.statista.com/statistics/1093256/novel-coronavirus-2019ncov-deaths-worldwide-by-country/) had reached over 1.5 million. The most severely affected countries include the U.S., Brazil, and India.

If we look at the first visual which gives the clear picture of sum of total Deaths, sum of new cases and sum of new cases recovered by each country.

If you observed the fourth graph it shows number of cases by states in United States. It is very easy and catch the attention of states which has most of the cases.

In future assignments will add more charts with multiple dataset how the covid-19 impacted multiple industries how they got crashed. The economy also crashed due to multiple comments from governments etc.

### References

<https://ourworldindata.org/explorers/coronavirus-data-explorer?zoomToSelection=true&time=2020-03-01..2021-05-03&pickerSort=asc&pickerMetric=location&Metric=Confirmed+cases&Interval=7-day+rolling+average&Relative+to+Population=true&Align+outbreaks=false&country=USA~GBR~CAN~DEU~ITA~IND>

<https://www.statista.com/statistics/1043366/novel-coronavirus-2019ncov-cases-worldwide-by-country/>

<https://graphics.reuters.com/world-coronavirus-tracker-and-maps/>

GitHub link: https://github.com/dhirajbankar/DSC640/tree/master/FinalProject