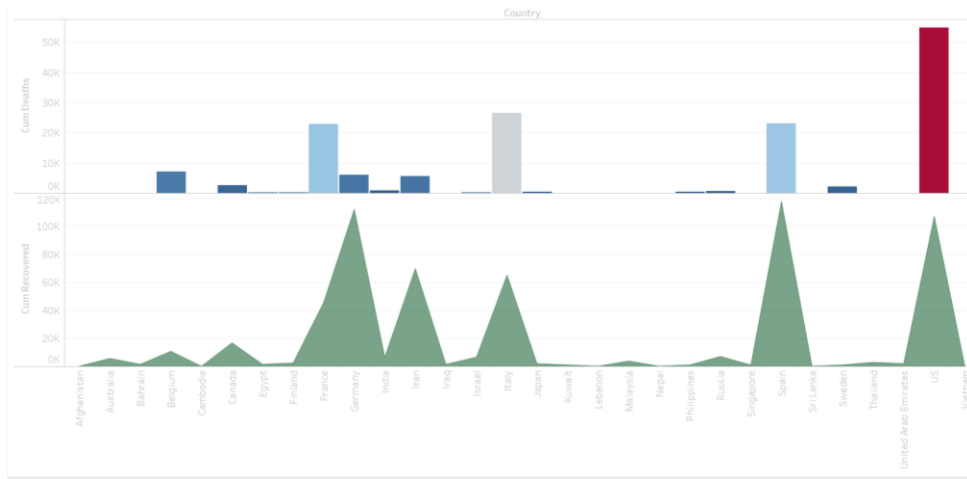# OUTPUTS

(All visualizations are dynamic representations, the data is taken from GitHub, the data is transformed using an ETL tool, Pentaho and the data is up to 26th April 2020)
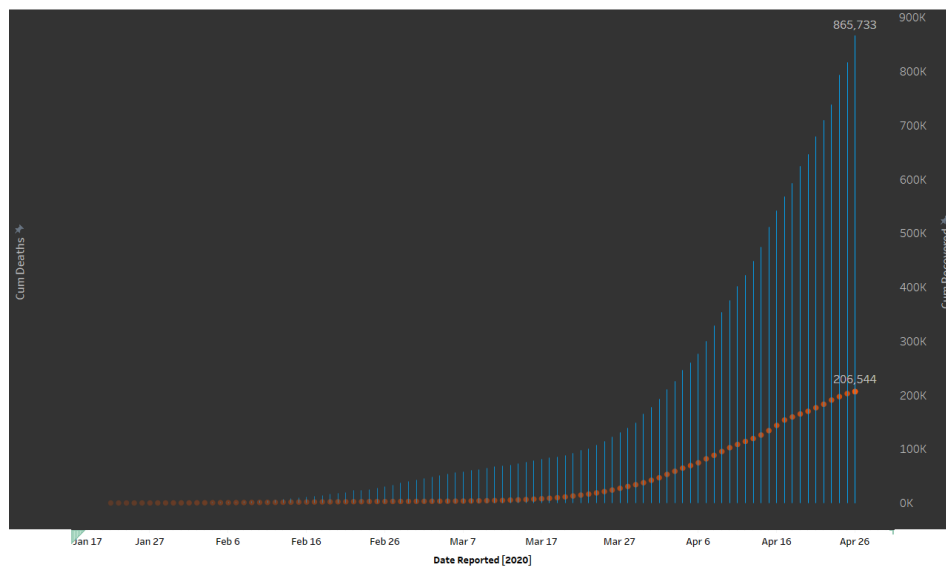
1. Country wise cumulative deaths and recovered:

Analysis: The video shows that there was a sudden increase in the total death count of USA. In the increase of recovered cases at first there were not many recovered but later the number of recovered cases had a sudden increase. The dynamic nature of the representation gives us an understanding to when the number of deaths or recovered started increasing and with what pace.

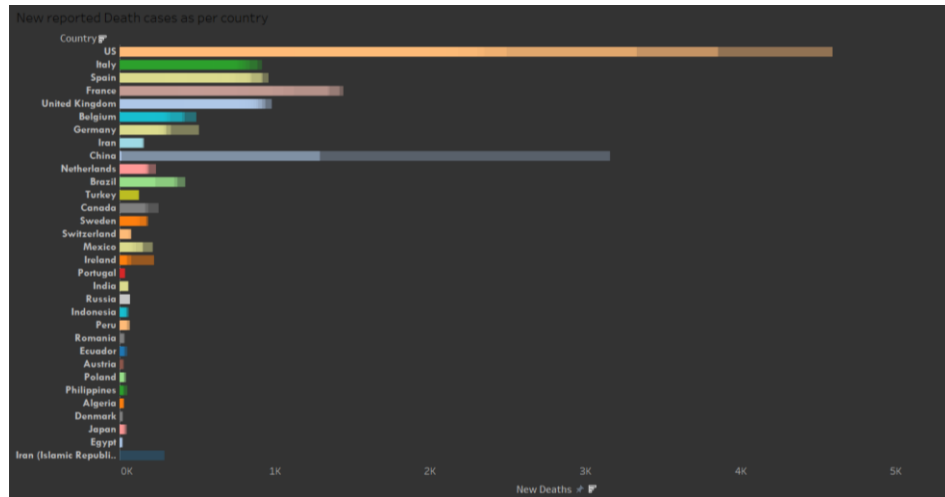2. World map showing country wise total number of cases:

World Map showing Cumulative cases

Analysis: World map shows the spread of cumulative confirmed cases worldwide. All countries are color coded. The video tracks the increase in the confirmed cases with each day. The bubbles increase their size proportional to the increase in the number of cases. The map shows that US has the largest bubble, which makes it the country with most increase in the total case for COVID, the countries with dots have the least number of current cases.

3. Graph showing the total death and recovered cases with respect to date:
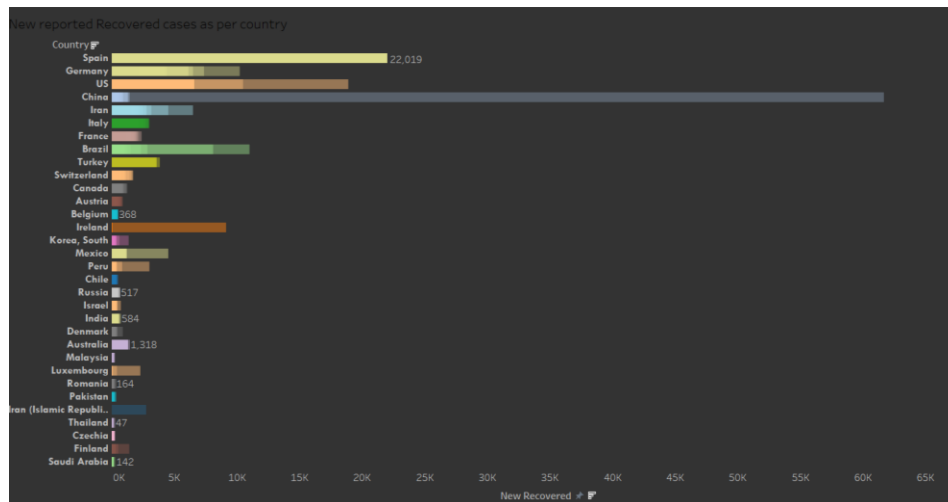

Analysis: The total deaths and recovered cases worldwide are compared. Number of cases are tracked on the daily basis. Red plot is for the death cases each day. Blue plot is for the recovered cases each day. There is a sudden increase in the recovered cases after March 27. We can see a subtle increase in the deaths after March 17. The total recovered cases till 4/25/2020 IS 865,733. The total number of deaths till 4/25/2020 is 206,544.
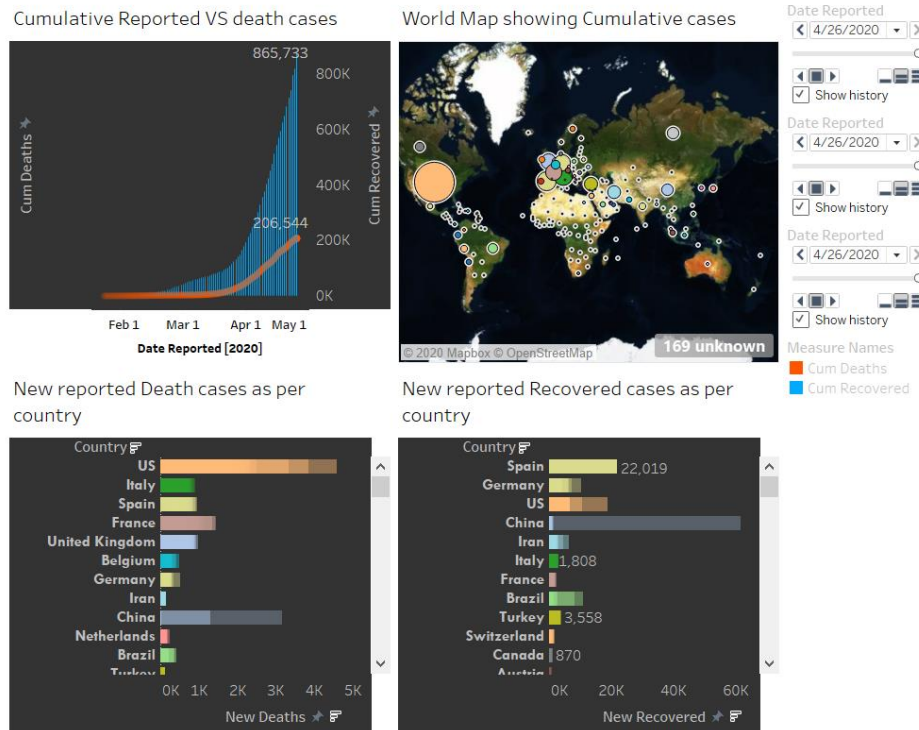
4. New deaths traced for each country:

Analysis: This representation shows us the increase of new death count per day. This is shown with respect to each country. From the representation is clear that USA has registered for maximum new deaths (4591), with China following it with 3161 new deaths.

5. New recovered traced for each country:

Analysis: This representation shows us the increase of new recovered count per day. This is shown with respect to each country. From the representation is clear that China has registered for maximum new recovered cases (61644), with Spain following it with 22019 new deaths.

6. Dashboard:

Analysis: This dashboard has a few of the visualizations combined. We can see all the changes in these representations in one frame.