Data:

* owid-covid-data.csv:

This dataset is from the URL: [https://ourworldindata.org/coronavirus-testing#source-information-country-by-country](https://ourworldindata.org/coronavirus-testing%23source-information-country-by-country). We have used this dataset to get information on the total affected cases and total deaths due to corona virus across Europe.

Characterize:

Type:

Dimensions:

Brodlies model is :

* time\_series\_covid19\_recovered\_global.csv

This dataset is from the URL: <https://github.com/CSSEGISandData/COVID-19/blob/master/csse_covid_19_data/csse_covid_19_time_series/time_series_covid19_recovered_global.csv>. We have used this dataset to retrieve information on the recovered COVID cases across Europe. We merged this data with owid-data from covid-data.csv data to compare the affected, death and recovered cases across other countries in Europe with respect to Germany.

Characterize:

Type:

Dimensions:

Brodlies model is :

* acaps\_covid19\_government\_measures\_dataset\_0.xlsx

This data is from Taxonomy of government measures adapted from Assessment

Capacities Project (ACAPS)  <www.acaps.org/sites/acaps/files/resources/files/acaps_covid19_government_measures_dataset_0.xlsx>. We have used this data to get information about the government measures that each country has taken for school closure, stay at home restrictions, transport restrictions etc.

Characterize:

Type:

Dimensions:

Brodlies model is :

* Dataset1.csv:

User and Task:

User: Public

Task:

* For the choropleth map, user can make use of the dropdown to select the cases such as affected, death, recovered cases. Based on the selection the choropleth map changes the intensity. Also user can make use of the RangeSlider to select the period for which the user needs to visualize the data.
* User can chose the country name to be compared with Germany from the dropdown.
* User can make use of the dropdown to choose the type of government measures.

Visualization techniques:

* Choropleth Map:

We have used the library plotly.express to generate the choropleth map of Europe. We have used this map to visualize the effect of COVID-19 based on affected cases, death and recovered cases across each European countries. The effect of this pandemic can be assessed based on the intensity of colour for each country. As the intensity of colour increases, the respective cases(affected, death, recovered) increases.

* Line Graph:

We have used the library plotly.express to generate the line graph. We have used line graph to compare the affected, death and recovered cases of Germany against any other European country.

* Bar Graph
* Data Table

Interactions:

The following interactions were included in out mini project:

* RangeSlider:
* Dropdown:
* Plotly library: Zoom, Pan, Lasso select, Box select, zoom in, zoom-out, auto-scale, reset axes,

Interaction operator:

Interaction operand:

Interaction spaces:

Participants:

* Shreyas Kottur Shivananda

Responsibility:

Contribution:

* Shashank Kanakapura Srivatsa

Responsibility:

Contribution:

* Vivek Jaganath

Responsibility:

Contribution:

* Guru Prasad Savandaiah

Responsibility:

Contribution:

* Seena Mathew

Responsibility:

Contribution:

Concept: