

Tristimuli - Project Proposal

- What is the story that you want to tell?

This data visualization project explores how COVID-19 impacted social and economic life across Europe, focusing on key indicators such as tourism, GDP, inflation, unemployment, and healthcare expenditures. By analyzing trends in deaths linked to mental illnesses and university enrollments, it examines the broader societal effects of the pandemic. The aim is to uncover shifts caused by COVID-19 and evaluate whether the crisis disrupted existing trajectories. Through interactive visuals, the project provides insights into the pandemic's multifaceted influence.

- Dataset(s) (or subset of it) that you plan to use

COVID Data:

<https://docs.owid.io/projects/etl/api/covid/#usage-and-preview>

Tourism:

<https://www.kaggle.com/datasets/bushraqurban/tourism-and-economic-impact>

University enrollment:

https://ec.europa.eu/eurostat/databrowser/view/educ_uoe_enrt01/default/table?lang=en

GDP:

https://ec.europa.eu/eurostat/databrowser/view/namq_10_gdp/default/table?lang=en

Inflation:

https://ec.europa.eu/eurostat/databrowser/view/prc_hicp_manr/default/table?lang=en

Unemployment:

https://ec.europa.eu/eurostat/databrowser/view/une_rt_m/default/table?lang=en

House prices:

https://ec.europa.eu/eurostat/databrowser/view/prc_hpi_q/default/table?lang=en

Lockdown measures:

https://www.ecdc.europa.eu/sites/default/files/documents/response_graphs_data_2022-08-25.csv

Healthcare expenditure:

https://ec.europa.eu/eurostat/databrowser/view/tps00207/default/table?lang=en&category=t_hlth.t_hlth_care

- Chart types (see pdf for sketch)

1. choropleth map/proportional symbol map (bubble)
2. line charts
3. (stacked) bar charts
4. scatter plot/bubble chart
5. dumbbell plot

- Text (a few paragraphs)

Our idea is to display the covid behaviour as the leading chart, and then compare it to the other plots to allow the user to see the (possible) correlation between them. The main page will have many vertical sections, each of which will display visualization related to a

different topic (COVID, economy, education, health..). The main page will be scrolled to give a sensation of storytelling, and a clickable menu will be put on the left to navigate the page more easily. Tooltips and animations will let the user understand better the visualizations portrayed.