

IMPACT OF COVID-19

TEAM YYJS

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COVID-19
RESPONSE

Visulization Introduction in 10 words:

Presenting impacts of COVID-19 in public health, education, and economy.



Audience: For those who would like to know how COVID-19 influences our life in multiple dimensions

Why Interesting & Original?



We design a dashboard to present the trend and degree of the impacts of COVID-19 in three main aspects: public health, education, and economy



It helps users in understanding the global information of COVID-19 from several aspects.

EXPLAIN WHO DID WHAT ?



Web Page Framework
Design: Shihao



Health page + related
data collection: Yang



Education Page + related
data collection: Yiwei



Economic Page + related
data collection: Jiayi

DATA AND TOPIC AS NEEDED



To understand the project, users should have a basic understanding of what is the coronavirus pandemic.

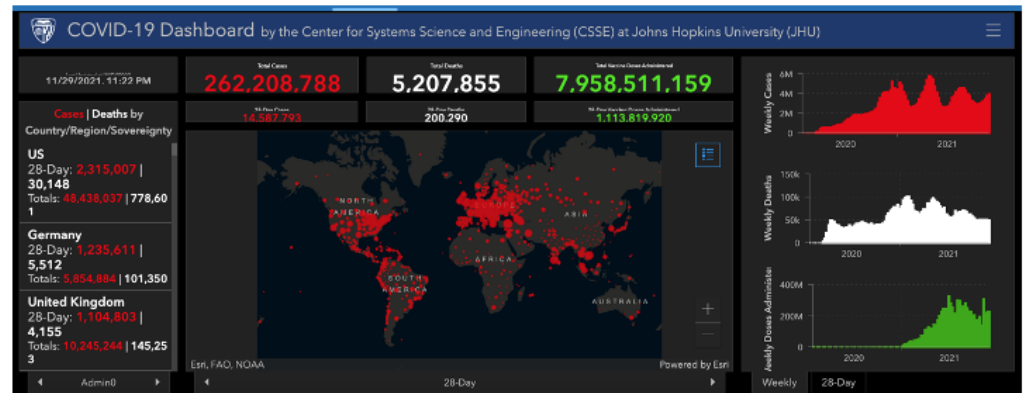
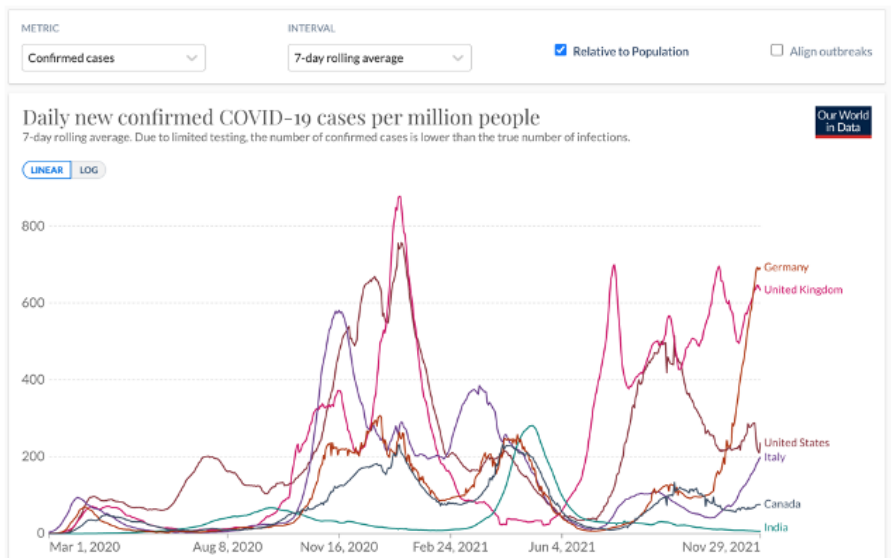
Thanks to Stanley Dai for sharing



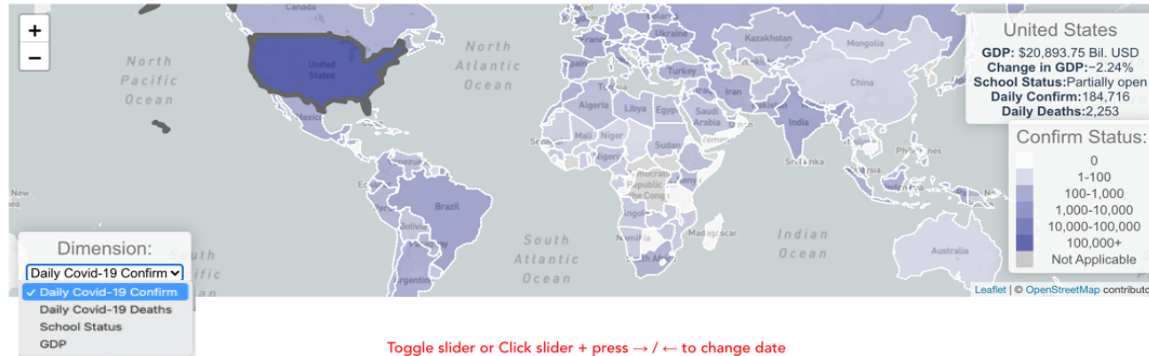
Data Sources:

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1. Health: JHU CSSE and Our World in Data (owid) on Github
 2. Education: UNESCO Institute (The United Nations Educational, Scientific and Cultural Organization)
 3. Economy: WTO and IMF (International Monetary Fund)
 4. Spatial data: World Atlas TopoJSON
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RELEVANT TOPICS



HOW IS OUR WORK ORIGINAL?



Choropleth from 4 dimensions

Toggle slider or Click slider + press → / ← to change date



Tue Nov
24 2020

Click plot to generate the graph!

X-Axis:

Change in GDP (%)

Y-Axis:

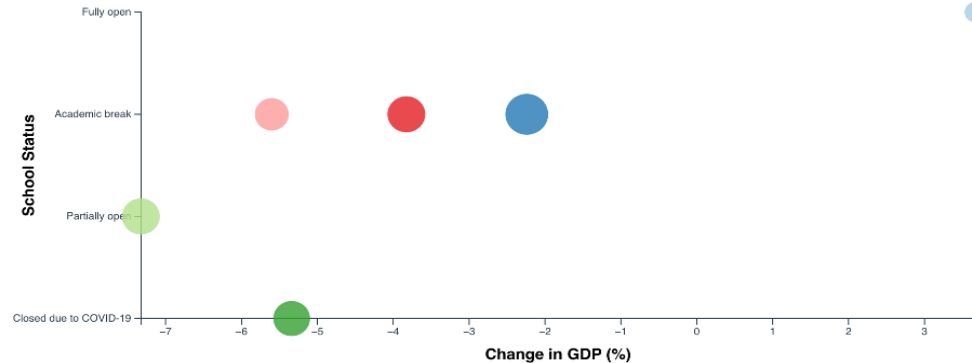
School Status

Size:

Daily Confirm

Plot

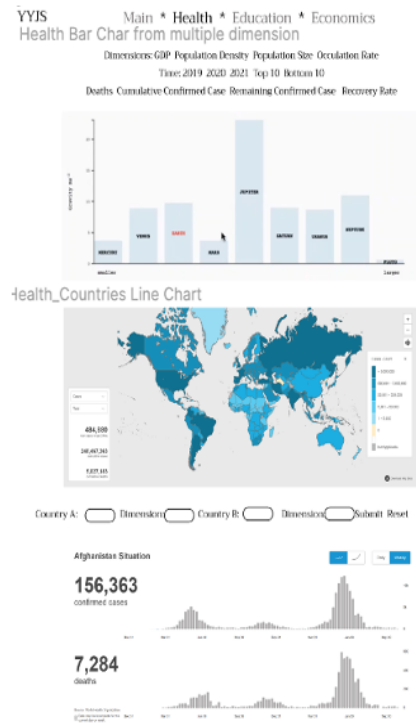
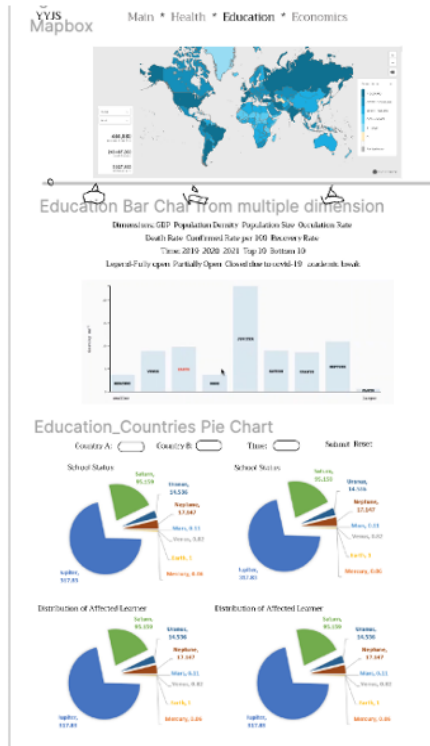
Bubble Chart in 3 dimensions



Thu Dec 31 2020

China
United States
India
Turkey
Canada
France

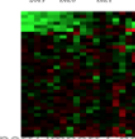
DESIGN PROCESS(FIGMA)



Economics GDP Tree Map & Line Chart



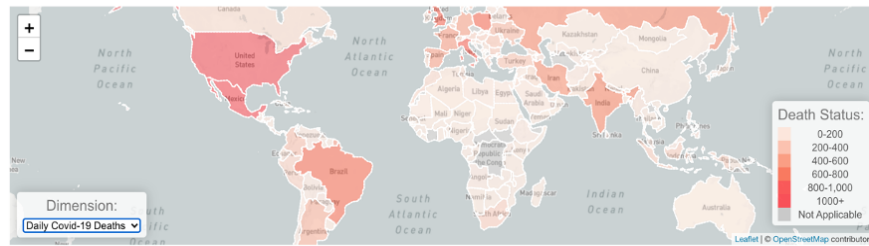
Economics Unemployment Heat Map



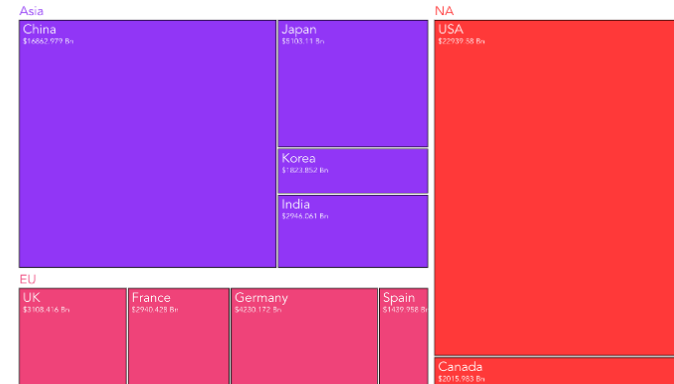
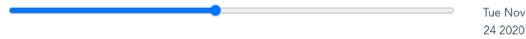
Economics Export/Import Chord Diagram



WHAT WE HAVE BUILT WITH D3



Toggle slider or Click slider + press → / ← to change date

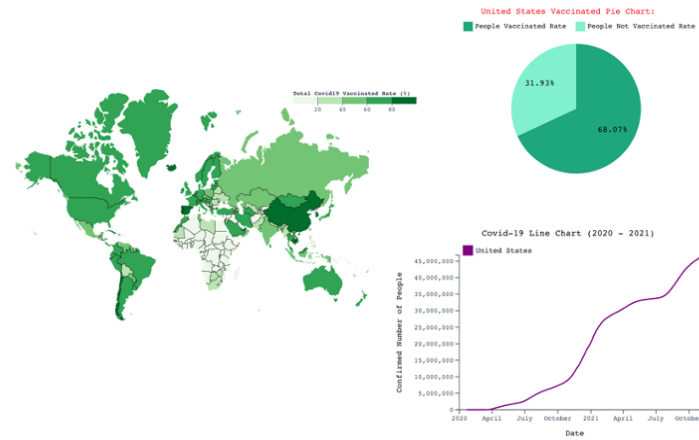
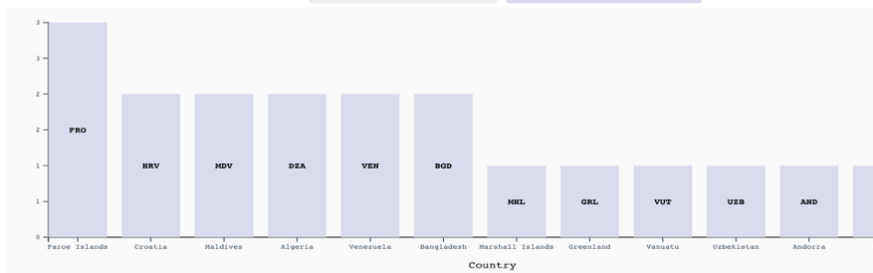


Duration of school closures(March 2020 - October 2021)

Partially Closed

Default Filter top 5 by value Filter bottom 5 by value Reset

order ascending by value order descending by value

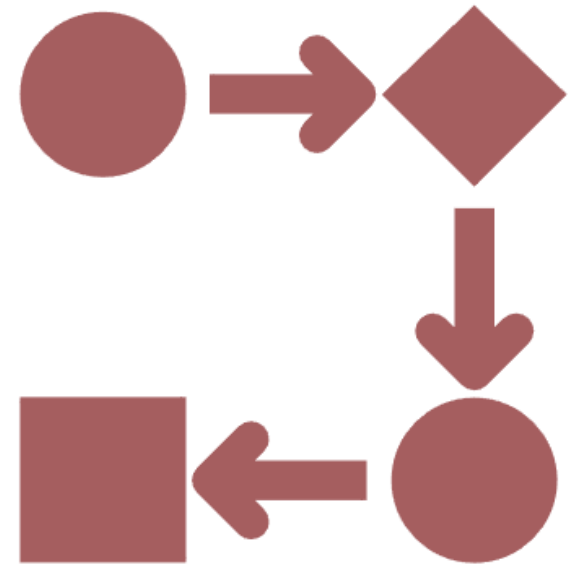


WOULD HAVE DONE DIFFERENTLY?



Intergrating all data in to a single data set
before developing the dashboard.

Adding more dimensions: international
travel, food, e-commerce



Thank You!