

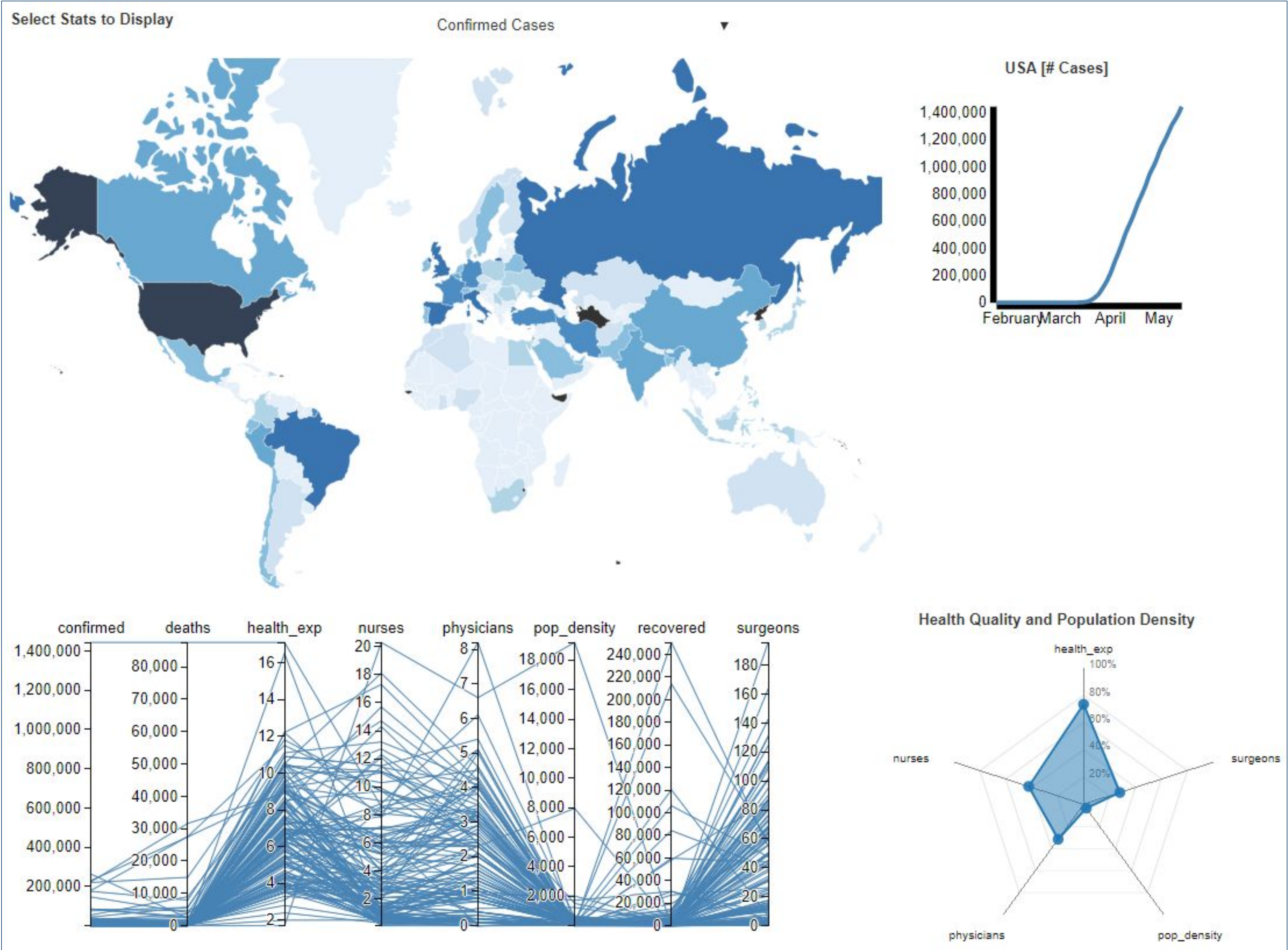
Visualization Project: Investigating COVID-19

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INTRODUCTION

The 2019–20 coronavirus outbreak is an ongoing pandemic of coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). Medical materials and other goods shortages caused by the pandemic is one of the major issues of the pandemic. We would like to see the effect of this pandemic on all countries as well as visualize the various factors related to the country like the health expenditure, number of physicians, nurses and surgeons available in the country, and population density.

OBSERVATIONS



CONCLUSION

We identified the number of confirmed cases, deaths as well as number of recovered patients from COVID-19 for all the countries of the world by using a Choropleth map of the world. The observations show that majority of the cases are concentrated in a handful of countries such as the US, Brazil, Russia, China etc. Observation 2 showing the time series progress of the pandemic has shown us that the cases in most of the countries has exponentially risen through the months of april and may. The population density and the health quality of a country in terms of health expenditure, number of physicians nurses and surgeons is show using the radar chart. The parallel coordinate chart shows the relation between the number of cases, deaths and recovered patients with different health indicators for all the countries combined. These visualizations helps in coordinating the governmental response of the pandemic asa well as help prepare for any future pandemics.