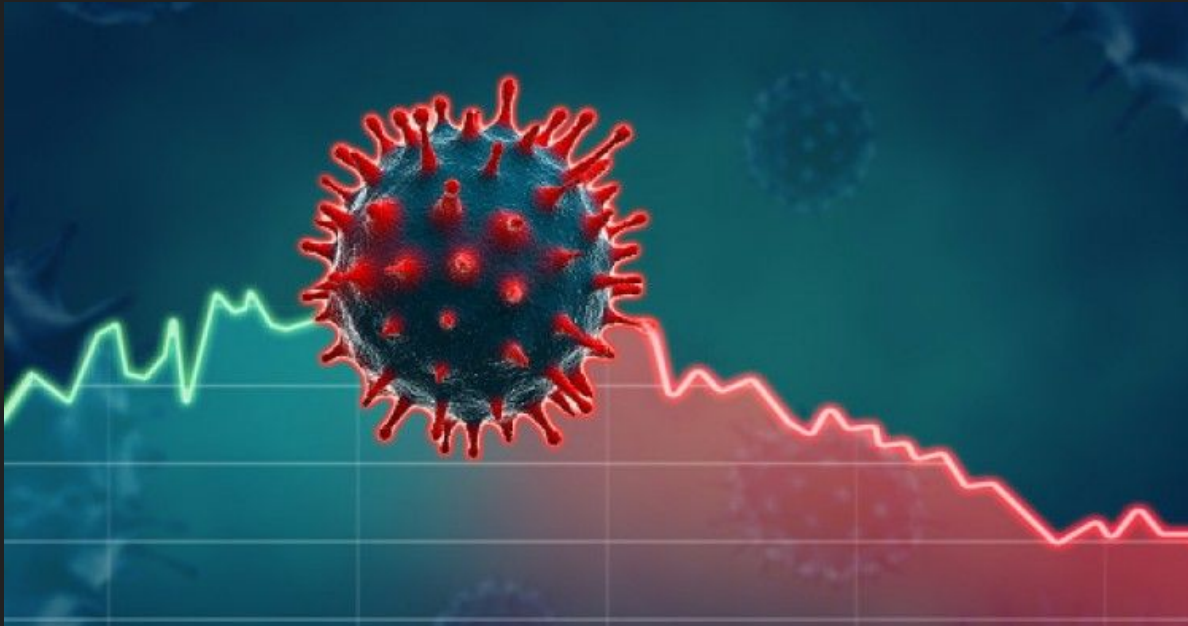


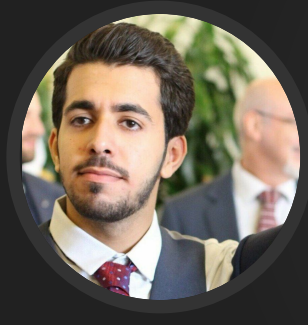
Doves

Analyzing COVID-19 Impact on districts

Problem statement



Team



Yazeed Almuqwishi



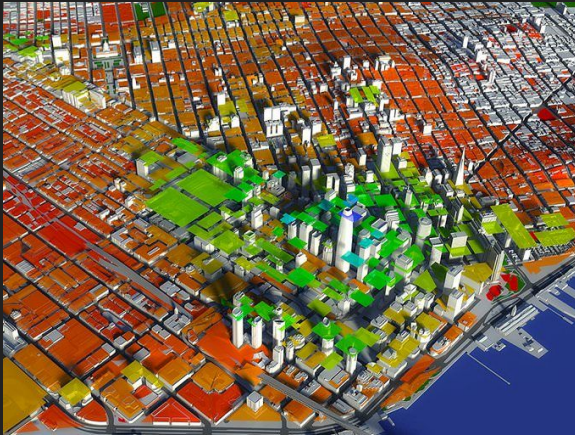
Yaqeen Al Mahdi



Abdullah Bajkhaif

Vision

- Data-driven urban planning
- Inclusive, resilient and sustainable neighbourhoods for all



Data set

Impact of the COVID-19 pandemic is measured through sets of indicators:

Economic

- Services
- Internet coverage
- Population density
- Average income who lost their jobs because of COVID-19

Educational

- Schools
- Internet coverage
- Number of children in district

Health

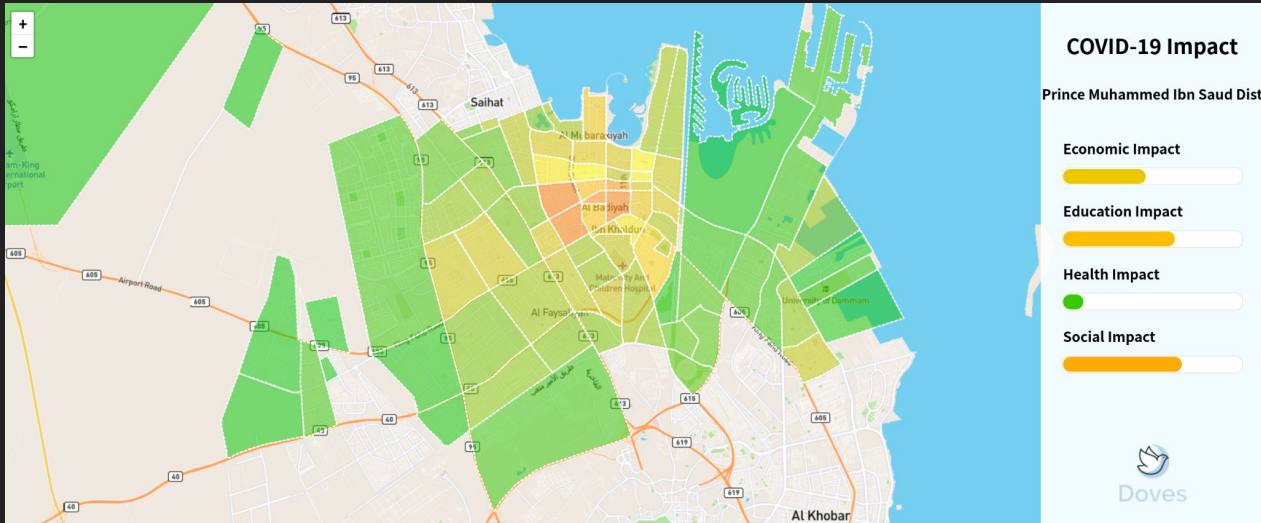
- Hospitals
- Pharmacies
- Gymst
- Infections and deaths because of COVID-19

Social life

- Mosques
- Schools
- Internet coverage
- Entrainment sites

Demo

Try it!



<https://reshape.duckdns.org/doves>

<https://reshape.duckdns.org/api/doves-dammam>

Next steps

- Use web scraping to gather more data about the services at each district.
- Use natural language processing techniques such as sentiment analysis and topic modeling to analyze the impact of covid-19 on the district by comparing resident feedback before & after the pandemic.
- Ask government entities for more data
 - COVID-19 infections per district
 - Average income per district
 - Number of children in district

Thank you!