COVID 19 TRENDS BY STATE

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PROJECT PROPOSAL

01

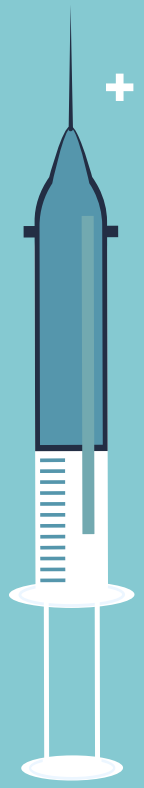
DATABASE OBJECTIVE

Utilize COVID dataset to be cleaned and processed via SQL then modeled in a high performing cluser such as SMU's ManeFrame (M2).

02

DATA SOURCE

Data will be aggregated and sourced from Our World in Health, state level 2020 presidential election results, and Twitter API, and possibly Google Trends.



03

BUSINESS OBJECTIVE

This analysis will explore overall COVID trends at the state level over time. Other questions of interest may be addressed depending on discoveries in exploratory data analysis

04

EXPECTED CONCLUSIONS

- Be able to compare compute time of simple descriptive analytics on SQL Workbench vs M2
- Provide descriptive tutorial of how to leverage and perform processing on M2

ADDITIONAL
Questions of Interest

- Is there a relationship of group think on **social media to vaccination rates** by state? Can we discover this through sentiment analysis of trending tweets by location?
- Is there a relationship of **vaccination rates to 2020 presidential election results** by state?
- Do either of Twitter trends or presidential election results impact the **change in rate of vaccination** by a state **over time**?