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AGENDA

Problem Statement

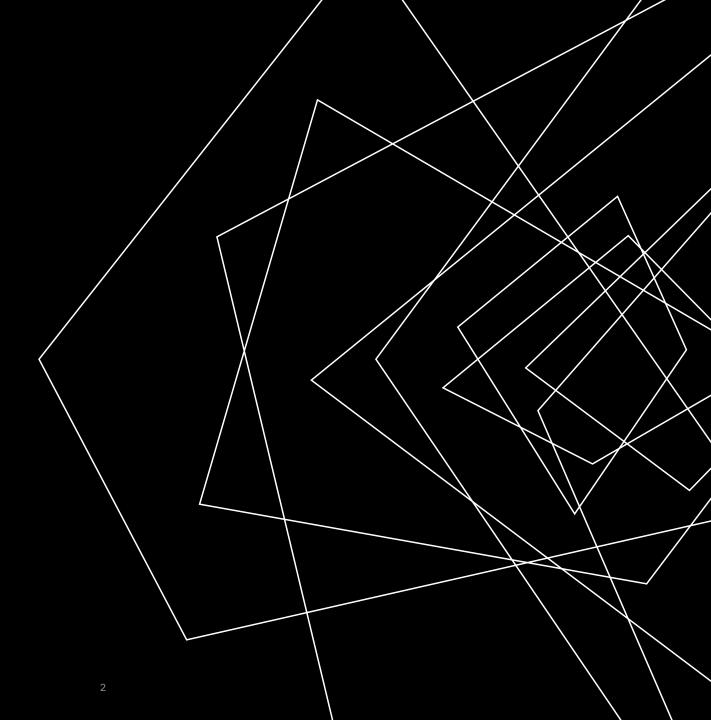
Motivation

Approach

Research Question

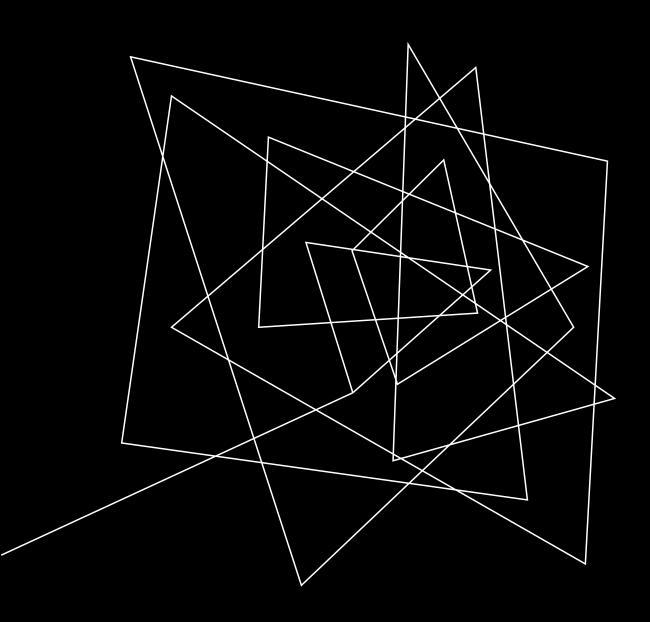
Result

Future Work



PROBLEM STATEMENT

- Major global health and financial crises have been brought on by the COVID-19 pandemic.
- Making informed decisions about policy requires knowledge of the virus's impact and distribution.
- To describe COVID-19 patterns, data-driven insights are required.



MOTIVATION

- One of the most severe recent worldwide health problems is the COVID-19 pandemic.
- As the pandemic progresses, huge quantities of COVID-19 data are being gathered everyday.
- Understanding how this data affects global health requires analysis and visualization.

APPROACH

- Data manipulation and analysis on COVID-19 datasets were done using Python.
- Five different datasets in total were used.
- Techniques: geographical analysis, exploratory analysis, statistical modeling.
- Focused on spotting trends and patterns in:
 - 1. Spread and transmission
 - 2. Impacts on health

Analyzing Covid-19 5

Q1 What was the overall spread across the globe? Q2 Did weather have any impact on the number of confirmed Covid-19 cases? Q3 Does age play an important role in Covid-19? Q4 Has there been any variation or evolution in the symptoms of COVID-19 over time?

RESEARCH QUESTION

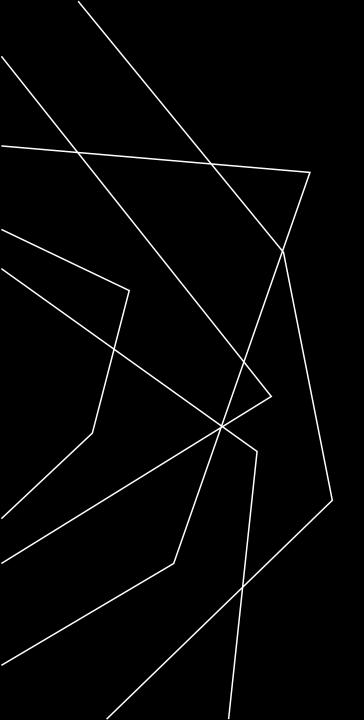


https://colab.research.google.com/drive/1gGnq62YcLX8LNsZHK_6jKoyW8HIEvC Du?usp=sharing

FUTURE WORK

- Regression, clustering, and neural networks are examples of advanced models.
- Real-time monitoring and forecasting should be operationalized.

Analyzing Covid-19



THANK YOU