Title: Comparative Analysis of COVID-19 trends between 2020-2021

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Project Overview:

This research project aims to analyze the covid-19 pandemic’s progression during 2020-2021 in the United States of America. We will examine the early stages of the pandemic to understand how these states, representing diverse geographical environments, responded to and managed the crisis. The project will leverage data from the Outbreak.info API and draw inspiration from Data Visualization projects like the New York Times’ COVID-19 tracker.

Rationale:

* Abundant Data: Access to comprehensive COVID-19 data for the chosen states during the specified period.
* Diverse Environments: Comparative analysis.

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Methods:

1. Data Collection: Utilize the Outbreak.info API to gather COVID-19 data for the U.S.A. during 2020-2021, including confirmed cases, date, deaths, confirmed per 100k.
2. Data Analysis: utilize visualization tools to analyze and interpret data. Explore trends, variations, and potential factors influencing COVID-19 outcomes.
3. Comparison: Conduct a comparative analysis of the pandemic's progression in all states, emphasizing factors such as state, confirmed cases, date, deaths, confirmed per 100k.
4. Visualization: Create interactive data visualizations like The New York Times' COVID-19 tracker.

Expected Outcomes:

* COVID-19 trends U.S.A. during 2020-2021.
* Identification of key factors impacting variations in COVID-19 outcomes.
* Data-driven insights to inform future pandemic preparedness and response.

Rough sketch:

* Please see attached for outline of the dashboard.

Inspiration:

* The New York Times' interactive COVID-19 tracker: [Link](https://www.nytimes.com/interactive/2021/us/covid-cases.html)

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GitHub Repository:

Project code and resources will be hosted on this GitHub repository: [link](https://github.com/Shoggato/Project-3)