DATA VISUALIZATION FOR COVID DATASET

TEAM MEMBERS

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PROBLEM STATEMENT

TESTING DISPARITY:-

Testing rates may vary depending on a number of factors, including socioeconomic status, geographic location, age, race, and ethnicity. People with lower socioeconomic status or who live in underserved communities may have less access to testing , leading to an underrepresentation of cases in these groups.

DATA SIZE:-

Very large datasets can be computationally c hallenging to work with, especially for tasks like statistical analysis or machine learning. This may require researchers to have access to powerful computing resources and expertise in data manipulation techniques.
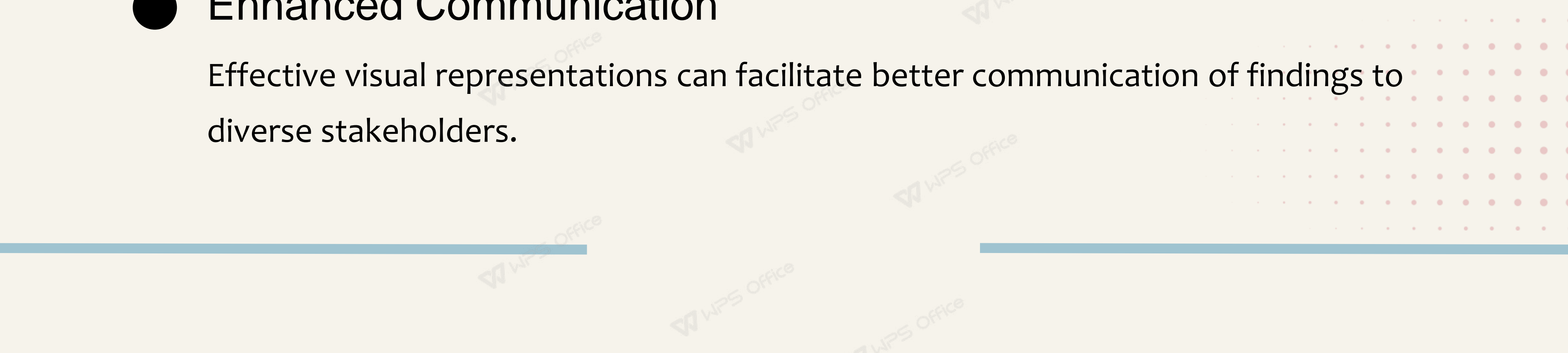
MOTIVATION OF TITLE

● **Contextual Understanding**

Visualizations can provide clearer and more nuanced insights into the COVID vaccine statements.

● **Enhanced Communication**

Effective visual representations can facilitate better communication of findings to diverse stakeholders.

DATASET USED FOR VISUALIZATION

Covid Dataset

Visualizations unlock trends, compare locations, and reveal relationships in COVID data. Line charts track surges, bar charts compare regions, scatter plots show connections, and maps depict outbreaks. Keep it clear, choose wisely, and inform your audience. Data transformed into knowledge empowers action.
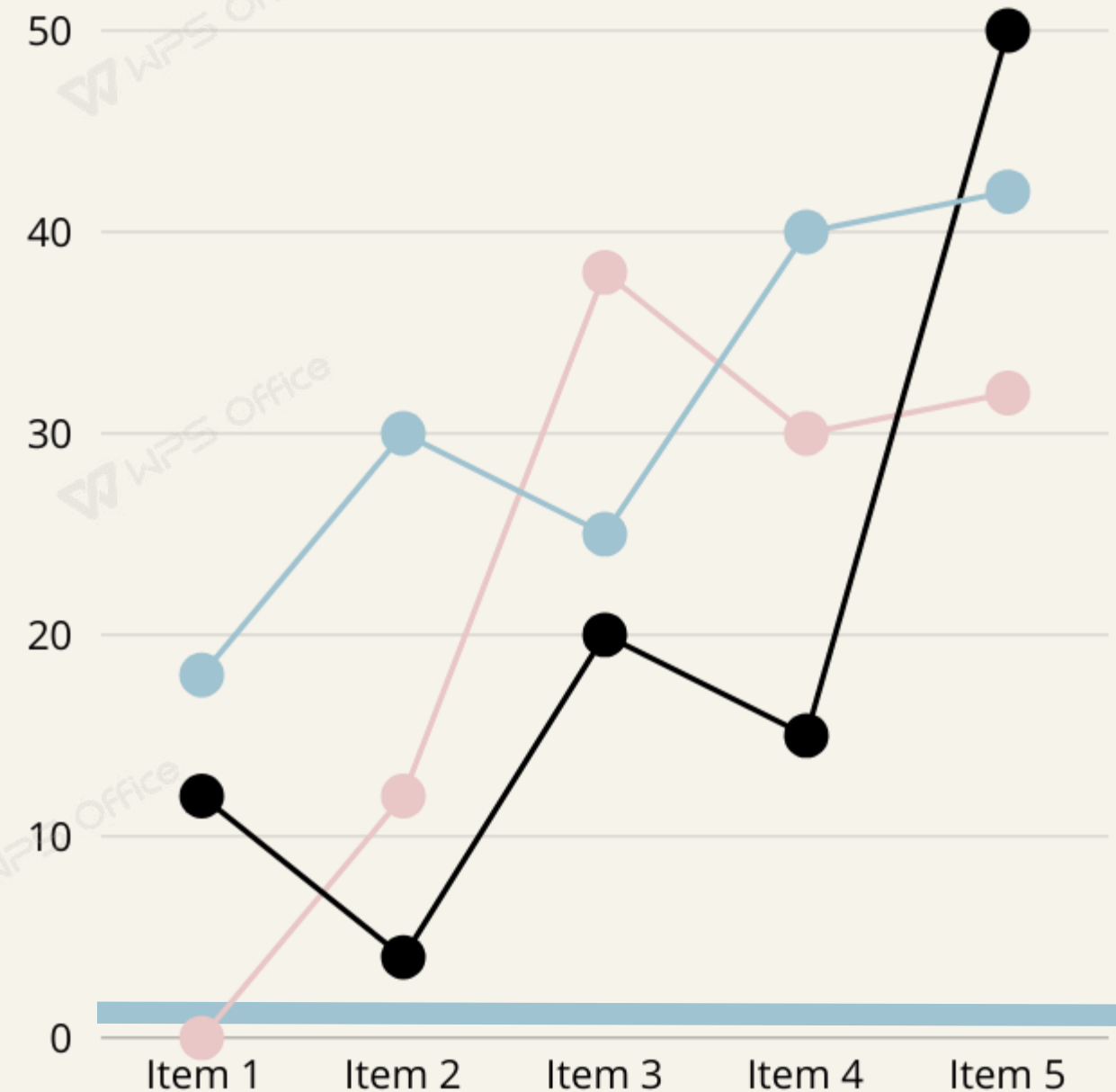
ALGORITHM OR FRAMEWORK

● **Pandas Library**

We are leveraging the Pandas library for data manipulation and analysis.

● **Matplotlib and Seaborn**

We are using Matplotlib and Seaborn for creating insightful visual representations.

● **Interactive Visualizations**

Our project also explores interactive visualization frameworks for engaging presentations.

Word Cloud

Word cloud: Visual representation of word frequency in text data.