

AIM:

To understand data visualization using Tableau by connecting to different data sources, creating visualizations, adding calculated fields, and building interactive dashboards and stories.

PROCEDURE:

- Open Tableau Desktop and explore its interface (Data Pane, Toolbar, Worksheet, Dashboard, and Story tabs).
- Connect to Data Sources such as Excel, CSV, or SQL databases using the Connect option on the start page.
- Load the Dataset and view data in the Data Source tab.
- Create Visualizations on a new worksheet:

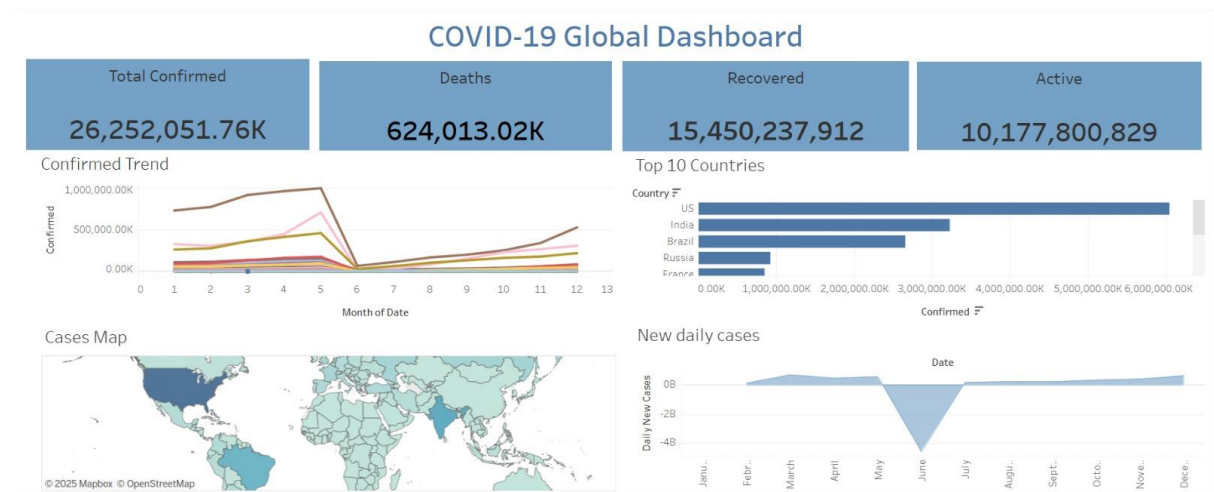
Bar Chart: Compare categories (e.g., sales by region).

Line Chart: Show trends over time.

Pie Chart: Display percentage distribution.

- Add Calculated Fields using formulas (e.g., Profit = [Sales] - [Cost]).
- Build a Dashboard by combining multiple charts for interactive analysis.
- Create a Story by arranging dashboards and worksheets to present insights sequentially.
- Save and Export the project.

DASHBOARD:



RESULT:

A Tableau dashboard and story were successfully created using multiple data sources, calculated fields, and visualizations, providing clear and interactive insights into the dataset.