Ex 7 Data Visualization Using Tableau

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:

A screenshot of a graph

AI-generated content may be incorrect.

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.