

VII. Data Visualization Using Tableau

AIM:

To understand the Tableau interface and perform data visualization by connecting to various data sources (Excel, CSV, SQL). The experiment includes creating basic visualizations (bar chart, line chart, pie chart), adding calculated fields, and building an interactive dashboard and story.

PROCEDURE:

1. Launch Tableau & Explore Interface

- Open Tableau Desktop/Public.
- Understand Start Page, Data Connection Pane, Worksheet, and Dashboard options.
- Notice areas: Columns shelf, Rows shelf, Marks card, Filters, Pages.

2. Connect to Data

Option A — Excel / CSV

- Click Connect → Microsoft Excel / Text File
- Select SalesData.xlsx
- Drag Sales sheet into the canvas.

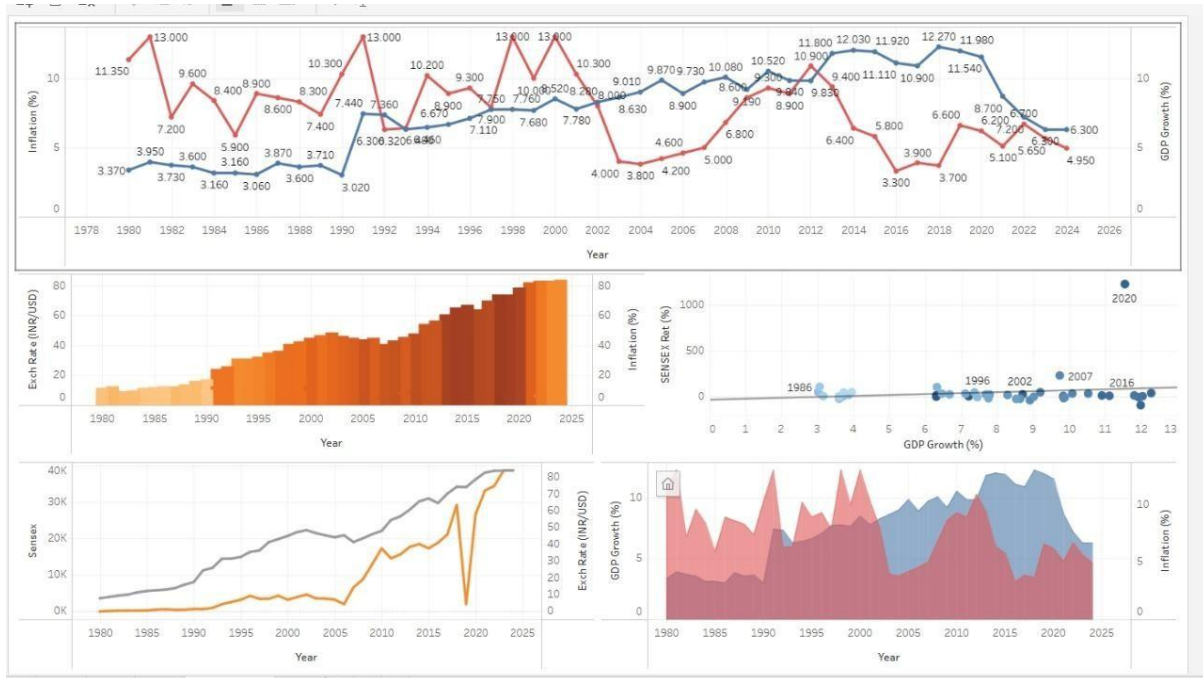
Option B — CSV

- Click Add → Text File and import Targets.csv

3. Build Dashboard

- Go to **Dashboard** → **New Dashboard**
- Drag visuals onto layout
- Adjust **interactivity** (Filters → **Apply to all worksheets using this data source**)

OUTPUT:



RESULT:

Thus, the given program was written and executed successfully.