

## Exp 7

### Data visualization using tableau

#### Aim:

To understand the Tableau interface and Perform data visualization like bar chart, line chart, pie chart by connecting to various data sources.

#### Procedure:

1. Launch Tableau and Explore Interface

2. Connect to Data

(a) EXCEL:

(i) click connect → Microsoft Excel

(b) CSV:

(ii) Click Add → Text file and import CSV

3. Build Basic Visualizations.

(a) Bar Chart (Sales by category)

- Category to columns, total sales to rows.

(b) Line chart (Monthly trend)

- Date to columns, Total Sales to rows.

(c)pie chart (Sales by region).

- Region to column, Total Sales to Angle.

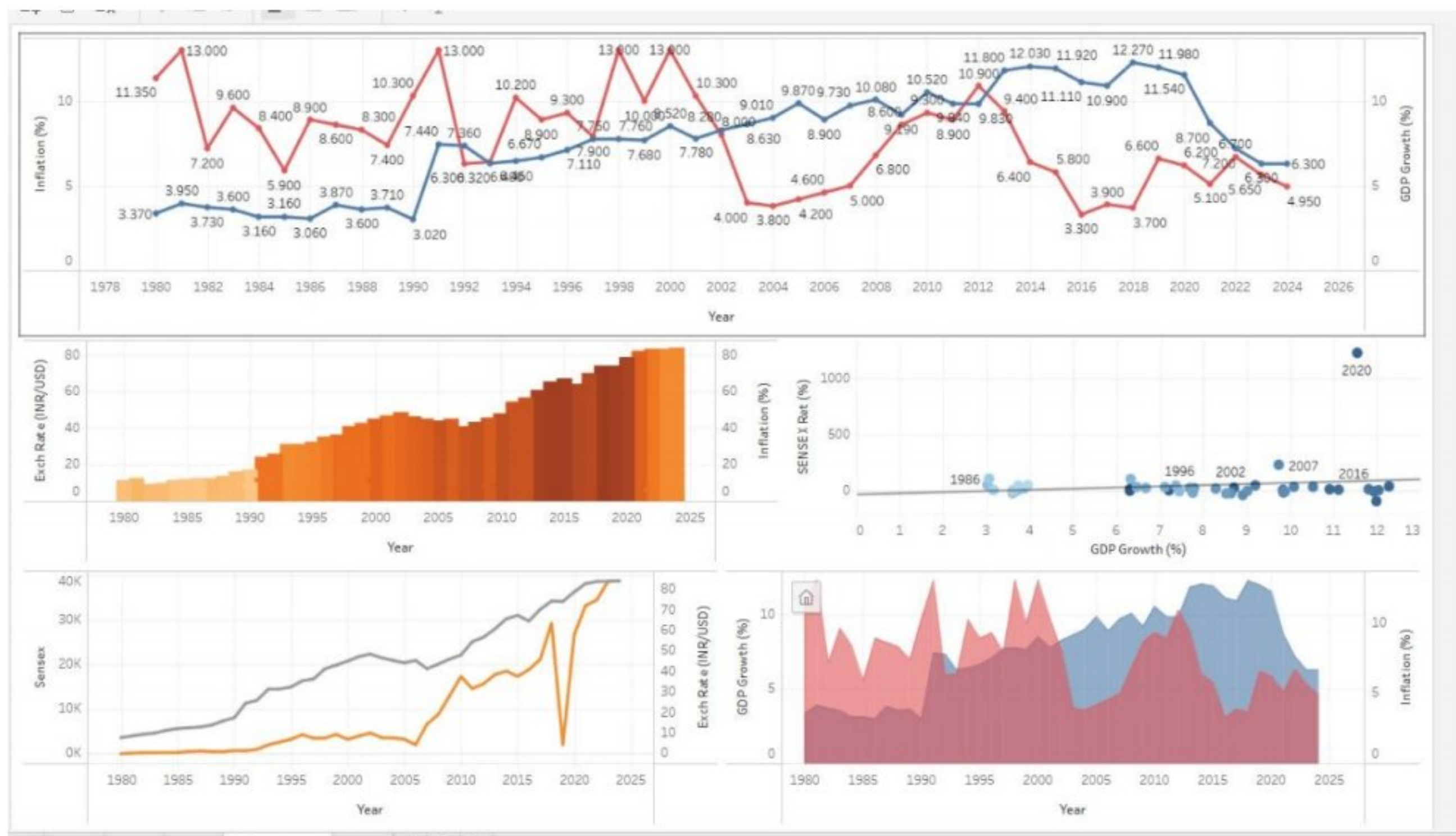
#### 4.Create Calculated Fields:

- Click Analysis → Create Calculated Field
- Example:  
$$\text{Total Sales} = [\text{Quantity}] * [\text{UnitPrice}]$$

#### 5.Build Dashboard

- Go to Dashboard → New Dashboard
- Drag visuals onto Layout
- Adjust Interactivity

#### OUTPUT:



#### Result:

Thus Tableau Interface and Workflow was learnt Successfully