

Experiment – 7: Data Visualization Using Tableau (

AIM:

To visualize and analyze COVID-19 data using Tableau by creating interactive dashboards consisting of various charts and graphs.

Dataset Used:

COVID-19 Dataset (Columns may include: Date, Country/Region, Confirmed Cases, Deaths, Recovered, Active Cases, New Cases, New Deaths, etc.)

PROCEDURE:

1) Importing Dataset into Tableau

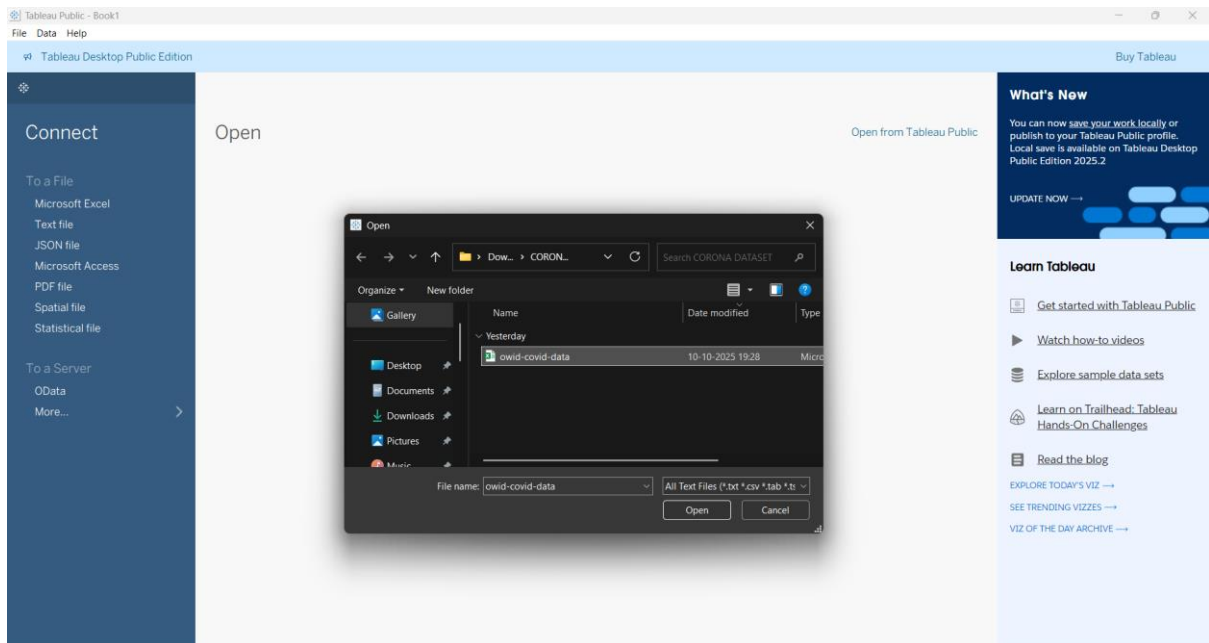
Steps:

1. Open Tableau Desktop / Tableau Public.
2. On the Start Page, under **Connect**, click on the data source type:
→ Microsoft Excel / Text/CSV (depending on your file format).
3. Browse and select your COVID-19 dataset.
4. Click **Open** → then **Sheet 1** to begin visualization.

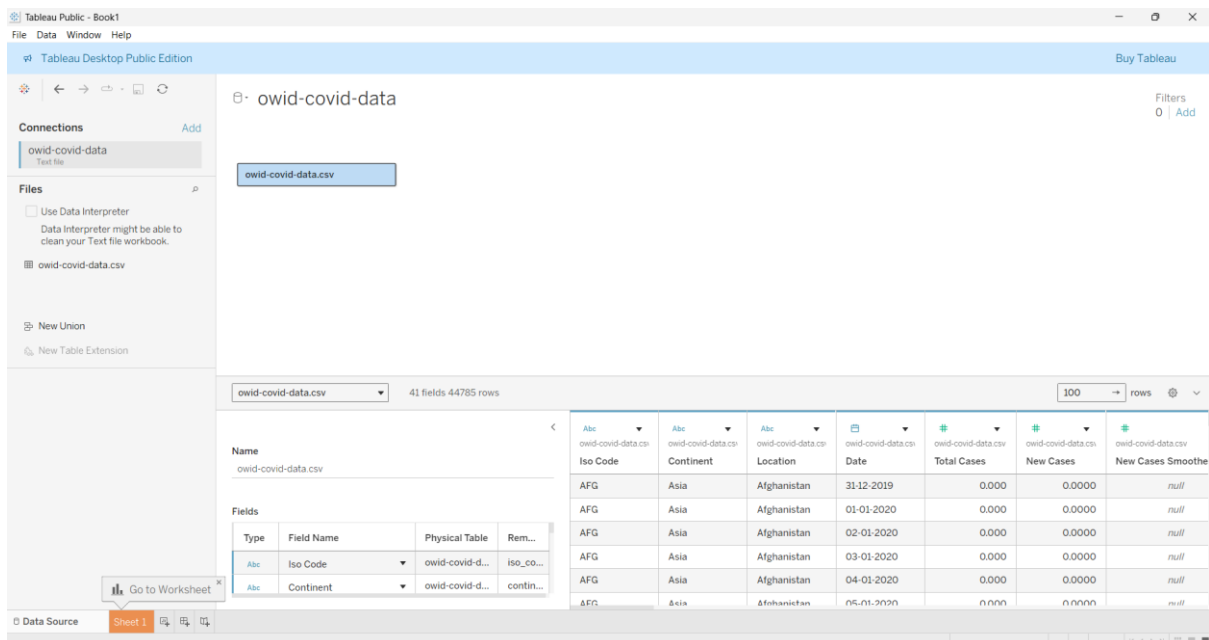
2) Exploring the Data

- Check that Tableau correctly identifies field types:
 - **Dimensions (blue):** Country/Region, Province/State, Date, Continent, etc.
 - **Measures (green):** Confirmed Cases, Deaths, Recovered, Active Cases, New Cases, etc.
- Rename or change data types if necessary (e.g., convert Date column to Date type).

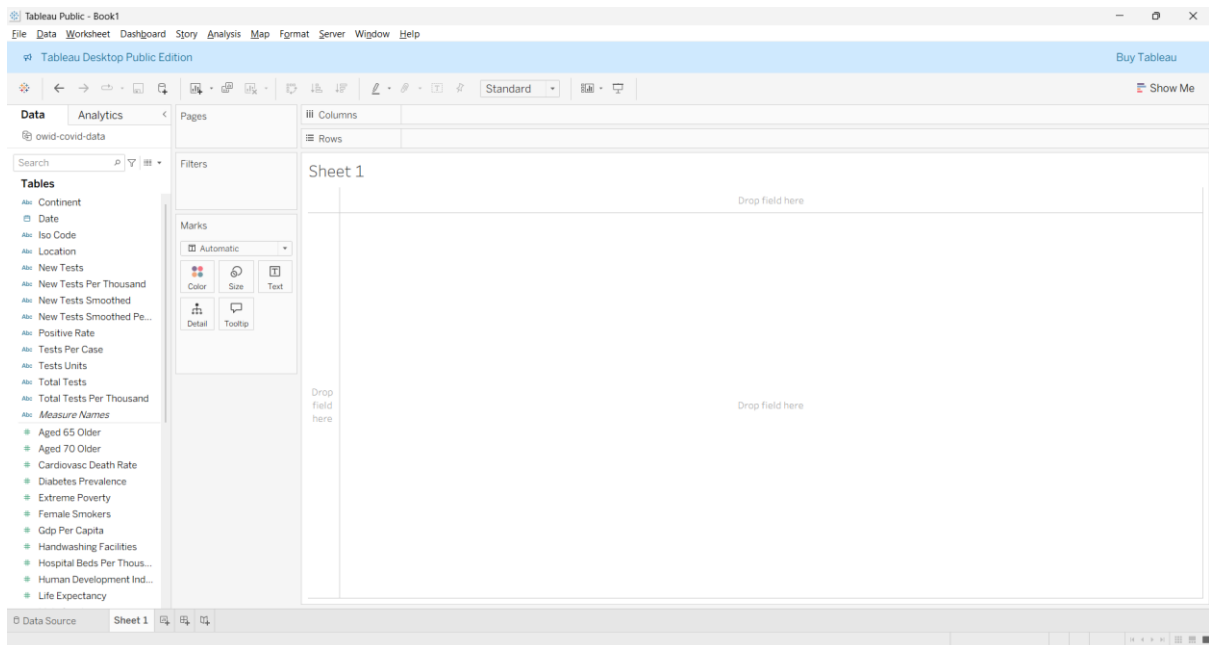
Step 1 : Importing Data as CSV files



Step 2: First Page after uploading, now click on sheet 1 to open the visualization page

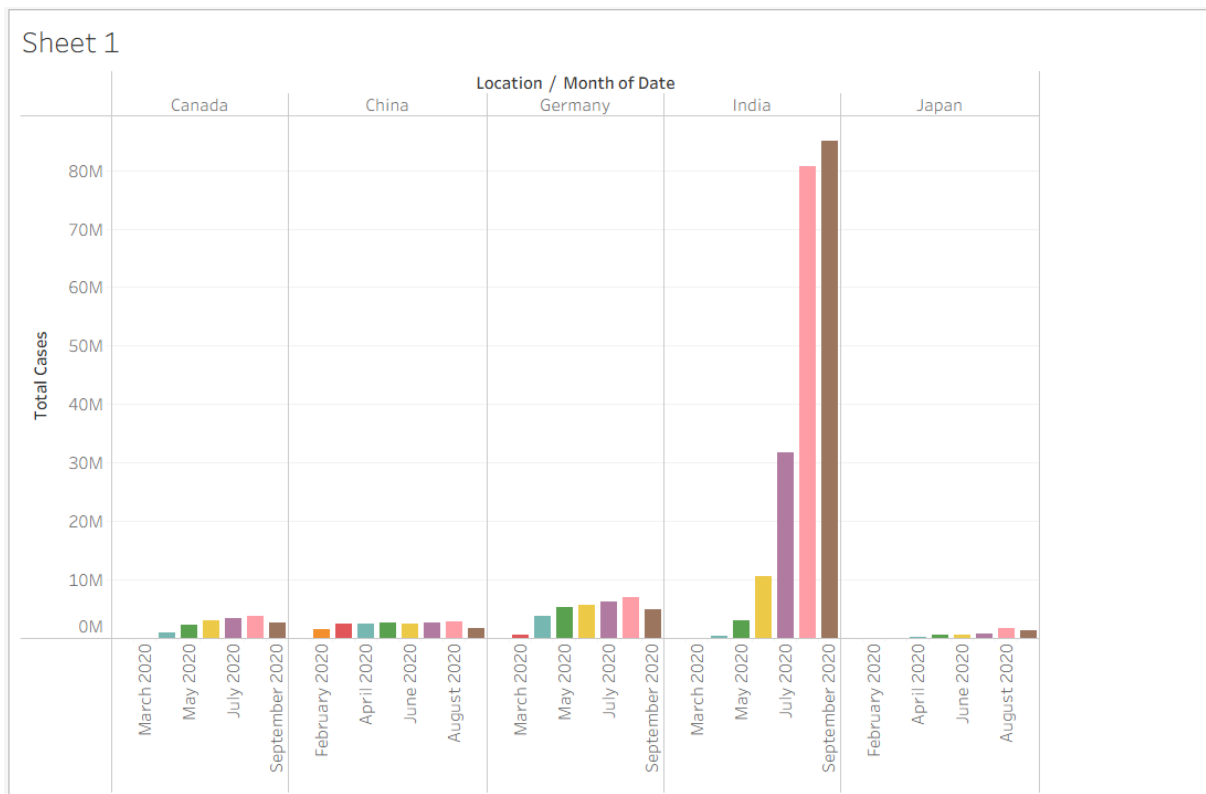


Step 3: This is the Visualization Page

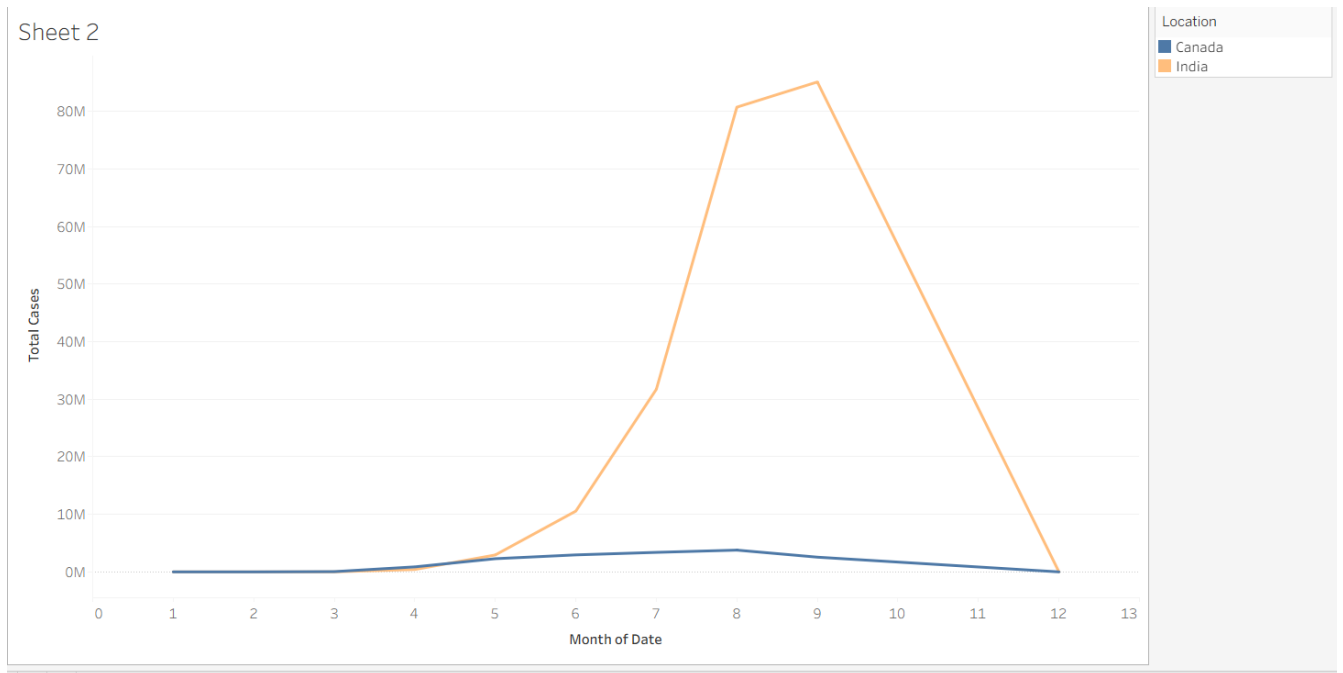


Types Of Graphs :

1 . Bar Graph(Side-by-Side Graph) :

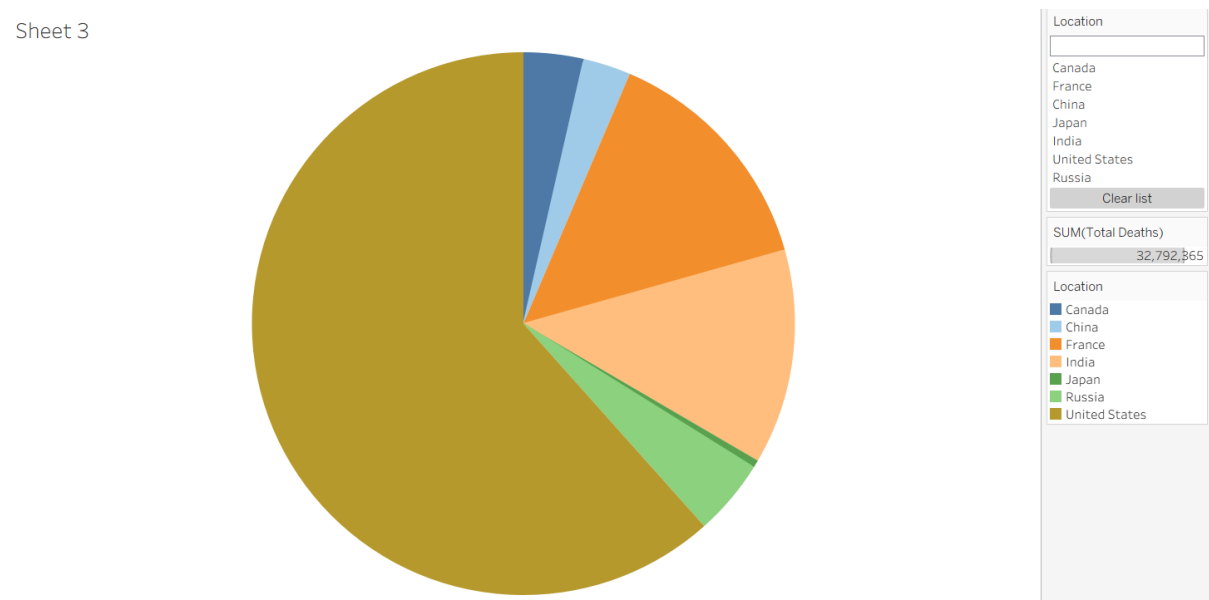


2. Line Graph :

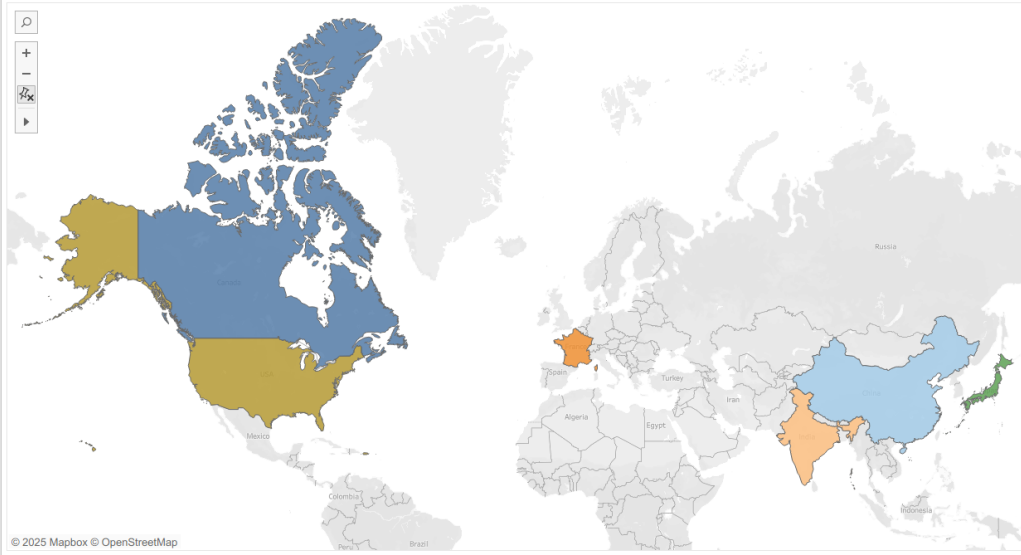


3. Pie Chart :

Sheet 3



4. Map (Filled Map) :



Location

Canada
France
China
Japan
India
United States
russia

Clear list

Location

- Canada
- China
- France
- India
- Japan
- United States