**Tableau**

Tableau is a powerful and interactive data visualization software that allows users to create and publish dashboards, charts, graphs, and other visual representations of data. It is commonly used for business intelligence and data analysis purposes, and can connect to a wide variety of data sources, including spreadsheets, databases, cloud-based servers, and data lakes.

Tableau offers a drag-and-drop interface that makes it easy for users to create visualizations without requiring coding, and its robust data analysis tools allow for complex calculations and analysis.

**Learning Resource:** https://www.tableau.com/learn/training

**Installation:**

1. Go to tableau public -> https://www.tableau.com/products/public
2. Download tableau public Desktop.
3. Install the file.

**Load Data in Tableau**

1. First download any dataset on which you wanted to make charts.
2. Then go to documents -> My Tableau Repository -> Datasources -> Paste your data here.
3. It will be easy for you to upload the data.
4. Data Source tab contains the data definitions and use data interpreter.
5. Click on **Use Data Interpreter** -> clean your Microsoft workbook.
6. Rows = rows and fields = columns.
7. Text Files are CSV files in Tableau.

**Data Types check in Tableau Public**

**Type** = # 🡪 number

**Type** = ABC 🡪 string

https://codanics.com/books/abc-of-statistics-for-data-science/Chapter3.html

**Data Filtering and Sorting**

Top Right Corner you will see the filter button.

Add Filter 🡪 Click Add 🡪 Select column on which you want to apply filter 🡪 Adjust the parameters for filter 🡪 Click OK.

**Sheet**

We make plots in separate sheets.

**Data**

Categorical data 🡪 Abc

Numerical data 🡪 #