Batch: A3   Roll No.: 16014022050
Experiment 03

Title: Importing Data and exploring the data

Objective:

1. To learn how to import dataset from various file format

- *Text, csv, pdf, excel, word*

2. To learn how to import dataset from various server

- Example (MySQL, MSSQL, Oracle, DB2, Google spreadsheets, Google drive, AWS, other)
- Minimum One connection with Server (Student choice mentioned in Objective 2)

3. Explore the data over platform

- Live data and Extracted data
- Data types
- Combining two data sources
- View data
- Sort option
- Measures and dimensions
- Splitting the column
- Discrete and continues values
- Drill down and Hierarchies
- Grouping

Course Outcome:

CO1: Learn how to locate and download datasets, extract insights from that data and present their findings in a variety of different formats.

Books/ Journals/ Websites referred:

https://www.tableau.com/
https://www.kaggle.com/datasets

Resources used:

Internet (google)

Theory (About Data Preprocessing):

Data preprocessing is a very crucial step in data analysis. In this process, the raw data is cleaned and transformed into a format. This format is used for data analysis and can be used by computers

Advantages:
- It helps in eliminating errors.
- It helps in handling the missing values.
- It helps in removing duplicates.
- It helps in standardizing formats.
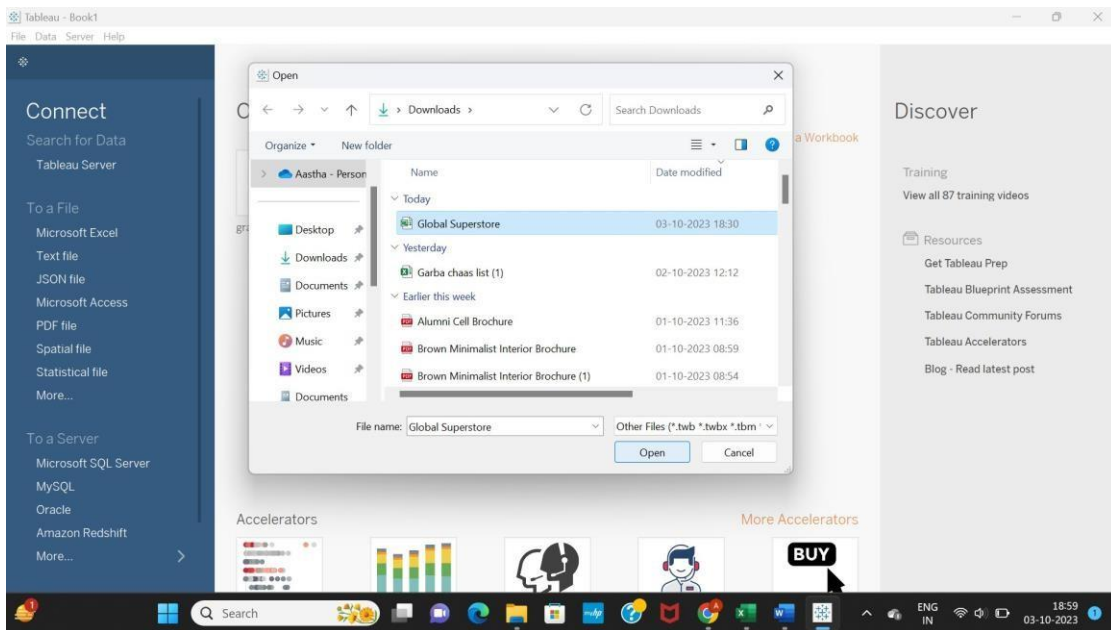
Following points should be written by students

Different approaches of importing dataset:

- Import from various file format (PDF, Excel, .CSV, .txt)
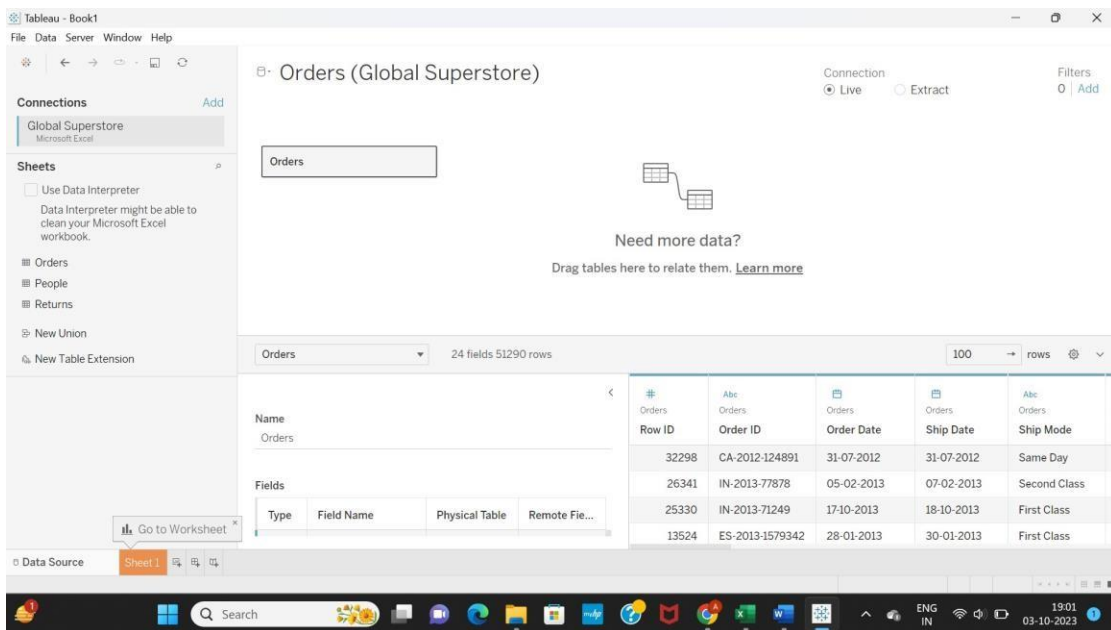- Import from server

Platform used by the student:

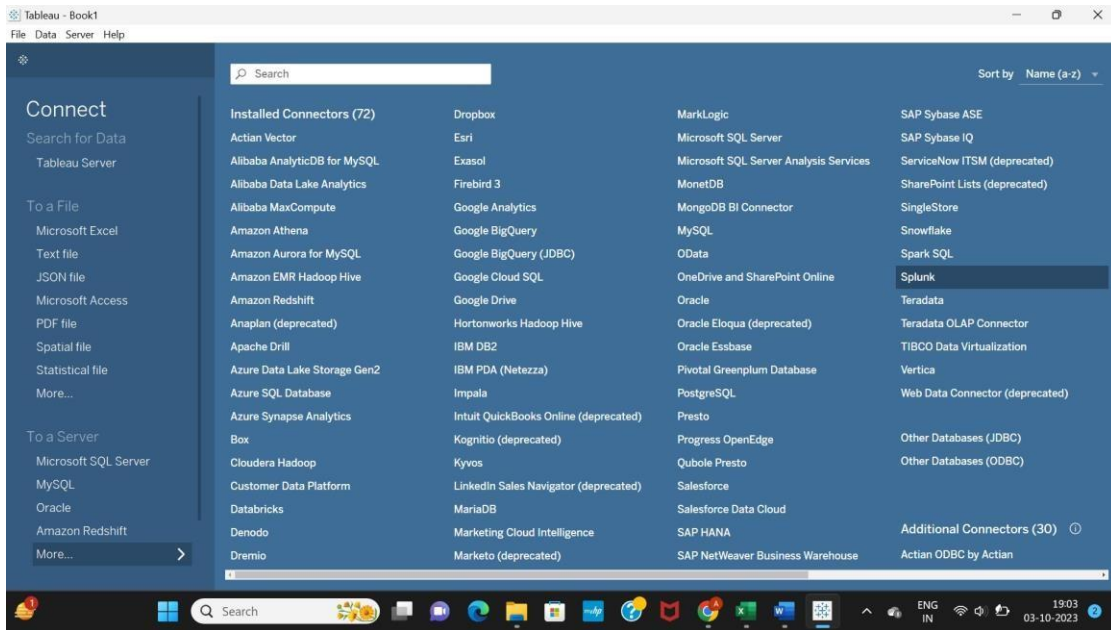Working: (Screenshots of various file format imported in software)

Import dataset from the file (excel) :

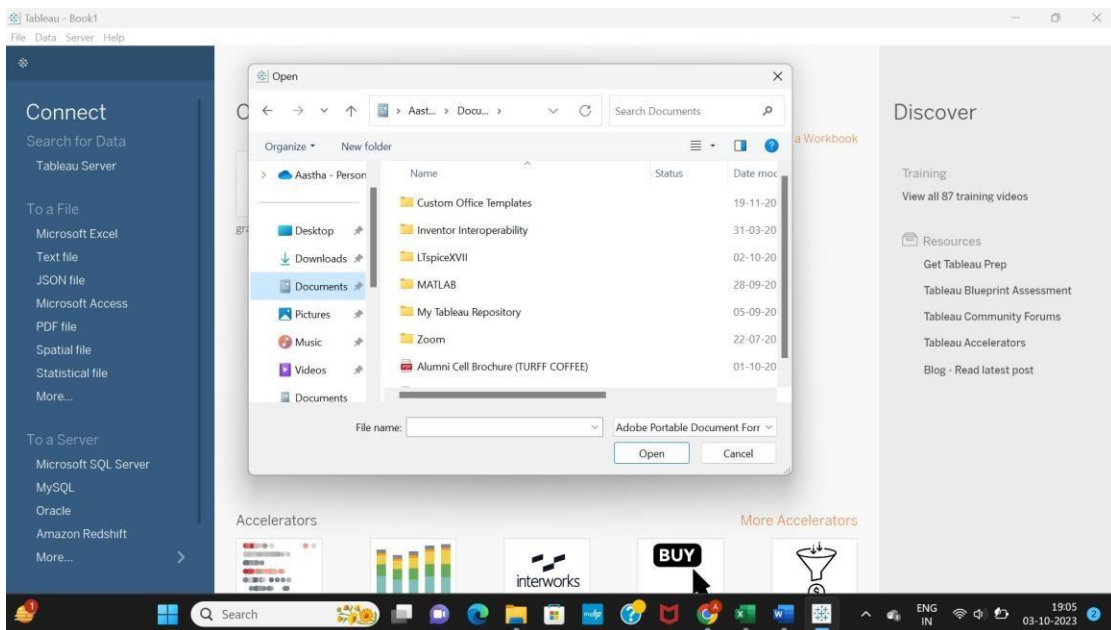Click on more in "to a file" and import the dataset

Import dataset from server:

In the left bottom "to the server part" click on more to import.

Import pdf file:

In the left side "to a file" click on "PDF file" to import pdf file.

Conclusion (Students should write in their own words): understood how to import filein tableau.

By mastering the art of importing datasets from diverse file formats including text, csv, pdf, excel, and word, we gained a robust understanding of data accessibility and integration.

Date: _____   **Signature of faculty in-charge**

Post Lab Question:

1. **List down types of data Tableau (any other you use) can import?**

   • Microsoft Excel. Tips for Working with Your Data.
   • Text File.
   • JSON File.
   • PDF File.
   • Spatial File.
   • Statistical File. User-defined Encodings.
   • Other Files.
   • Tableau Server or Tableau Cloud.

2. **What is significance of Measures and Dimensions in dataset stored in Tableau (any other you use)?**

   Dimensions contain qualitative values (such as names, dates, or geographical data). You can use dimensions to categorize, segment, and reveal the details in your data. Dimensions affect the level of detail in the view.

   Measures contain numeric, quantitative values that you can measure. Measures can be aggregated. When you drag a measure into the view, Tableau applies an aggregation to that measure (by default).