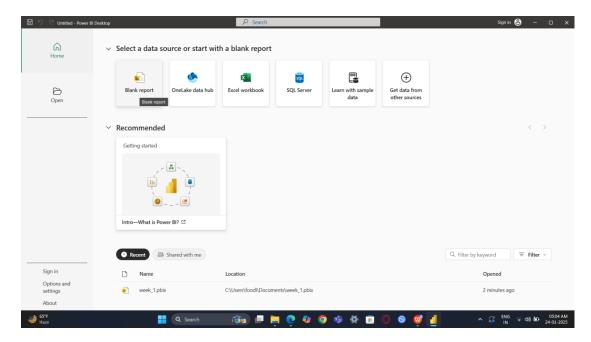
SUSTAINABLE SUPPLY CHAIN PERFORMANCE DASHBOARD USING POWER BI

Week 1: Steps to Extract Required Tables from the Dataset

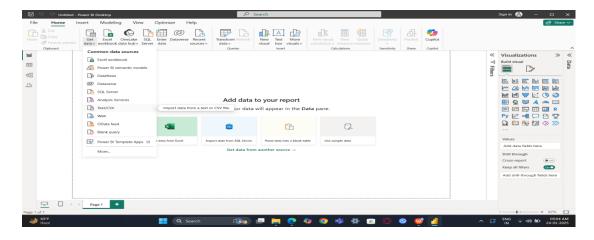
Input: Sustainable supply chain performance dataset

This guide outlines the step-by-step process to extract and analyze the required tables from your sustainable supply chain performance dataset using Power BI.

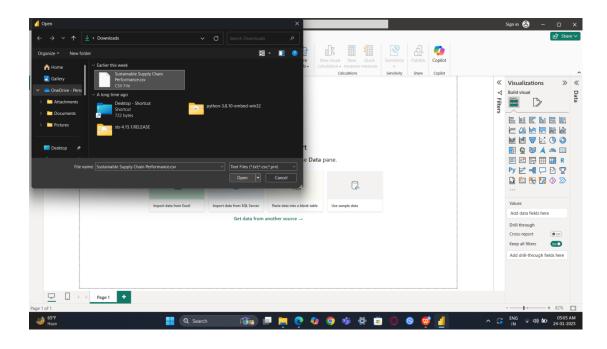
- Load Data into Power BI
 - 1. Open Power BI Desktop and click on Blank Report to start creating your visualizations.



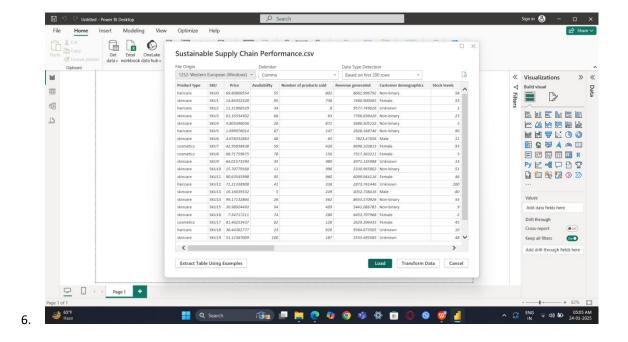
2. Navigate to the Home tab and click on Get Data



- 3. Select the data source type (e.g., "Text/CSV") and locate the dataset from its storage location.
- 4. Select the dataset and click Open.

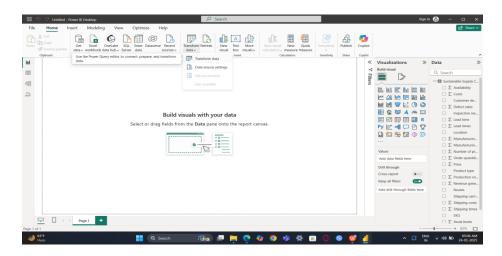


5. Preview the data and click Load to import

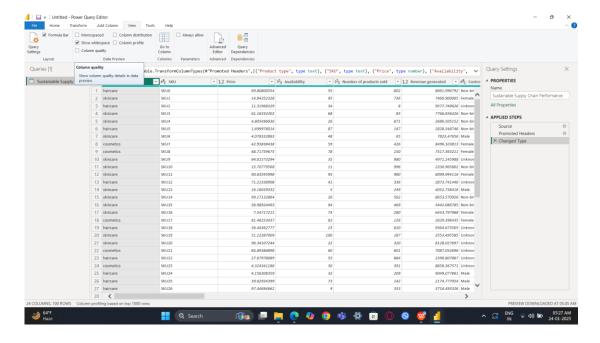


Transform Data Using Power Query

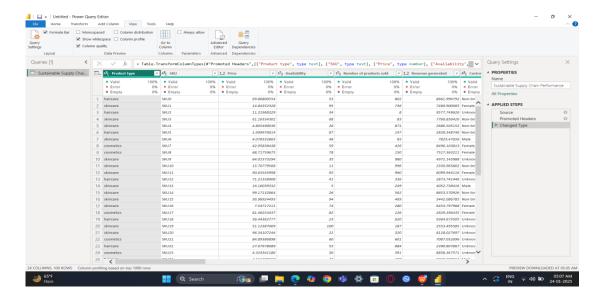
1. Click on Transform Data under the Queries tab in the ribbon.



2. In the Power Query Editor window, enable Column Quality under the View tab to identify any errors or anomalies in the dataset.



3. Ensure that the dataset is properly transformed and ready for analysis. Perform necessary cleaning, such as removing duplicates, handling missing values, and ensuring consistent formatting



3. Extracting Tables for Efficient Analysis

The following tables need to be extracted from the dataset:

- Inventory Table
- Manufacturing Table
- Supplier Table
- Supply Chain Table

4. Performing Analysis on the Inventory Table

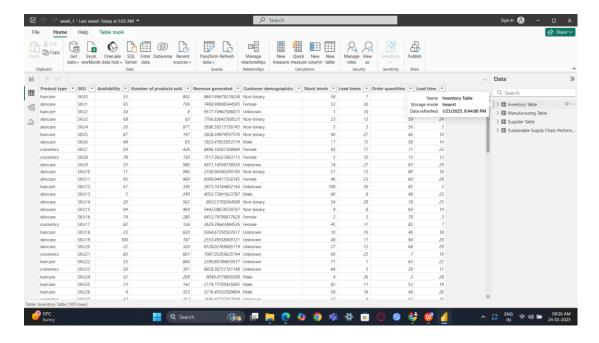
A. To create the Inventory Table from the original dataset:

Right-click on the table name in the left pane of the Power BI canvas.

Select Duplicate. A new dataset will be created without affecting the original data.

Double-click on the newly created dataset and rename it as Inventory Table.

Apply remove column option for columns irrelevant to inventory data to facilitate the analysis.



B. To create the Manufacturing Table from the original dataset:

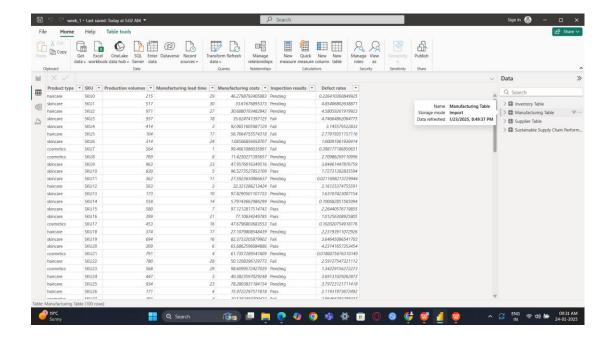
Right-click on the supply chain dataset in the left pane of the Power BI canvas.

Select Duplicate. A new dataset will be created without affecting the original data.

Double-click on the newly created dataset and rename it as Manufacturing Table.

Apply remove column option for columns irrelevant to inventory data to facilitate the analysis.

- 1. Product type
- 2. SKU
- 3. Production volumes
- 4. Manutacturing lead time
- 5. Manufacturing costs
- 6. Inspection results
- 7. 2 defect rates



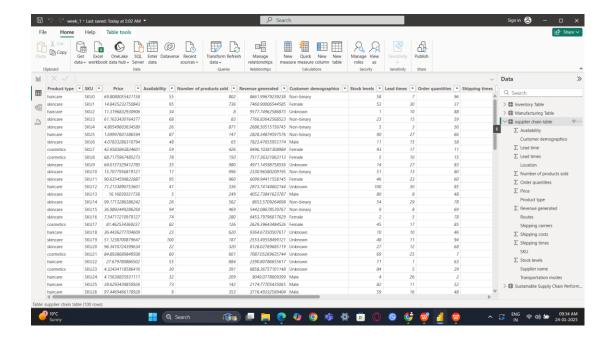
C. To create the Supply Chain Table from the original dataset:

Right-click on the table name in the left pane of the Power BI canvas.

Select Duplicate. A new dataset will be created without affecting the original data.

Double-click on the newly created dataset and rename it as Supplier Table.

Apply remove column option for columns irrelevant to supply chain table data to facilitate the analysis.



D. To create the Supplier Table from the original dataset:

Right-click on the table name in the left pane of the Power BI canvas.

Select Duplicate. A new dataset will be created without affecting the original data.

Double-click on the newly created dataset and rename it as Supplier Table.

Apply remove column option for columns irrelevant to supplier table data to facilitate the analysis.

