Sustainable Supply Chain Management using

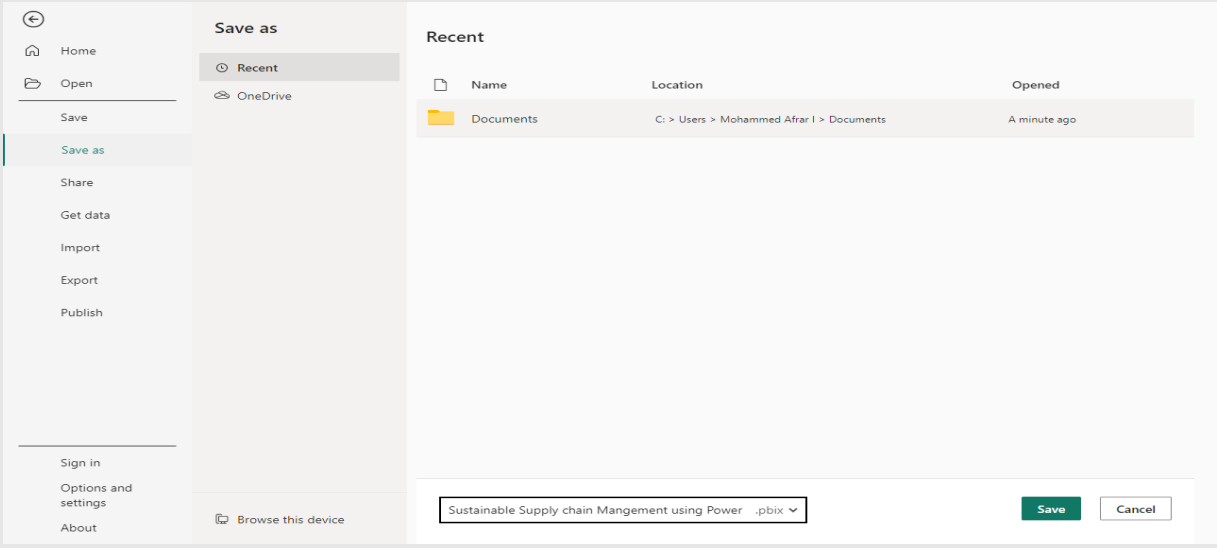
Power BI Dashboard

Introduction:

Sustainable supply chain management focuses on creating long-term value for businesses, society, and the environment. It involves managing the flow of goods and services in a way that reduces environmental impact, supports social responsibility, and ensures economic viability. This approach includes sourcing materials responsibly, reducing waste, and promoting fair labor practices, all while striving for profitability.

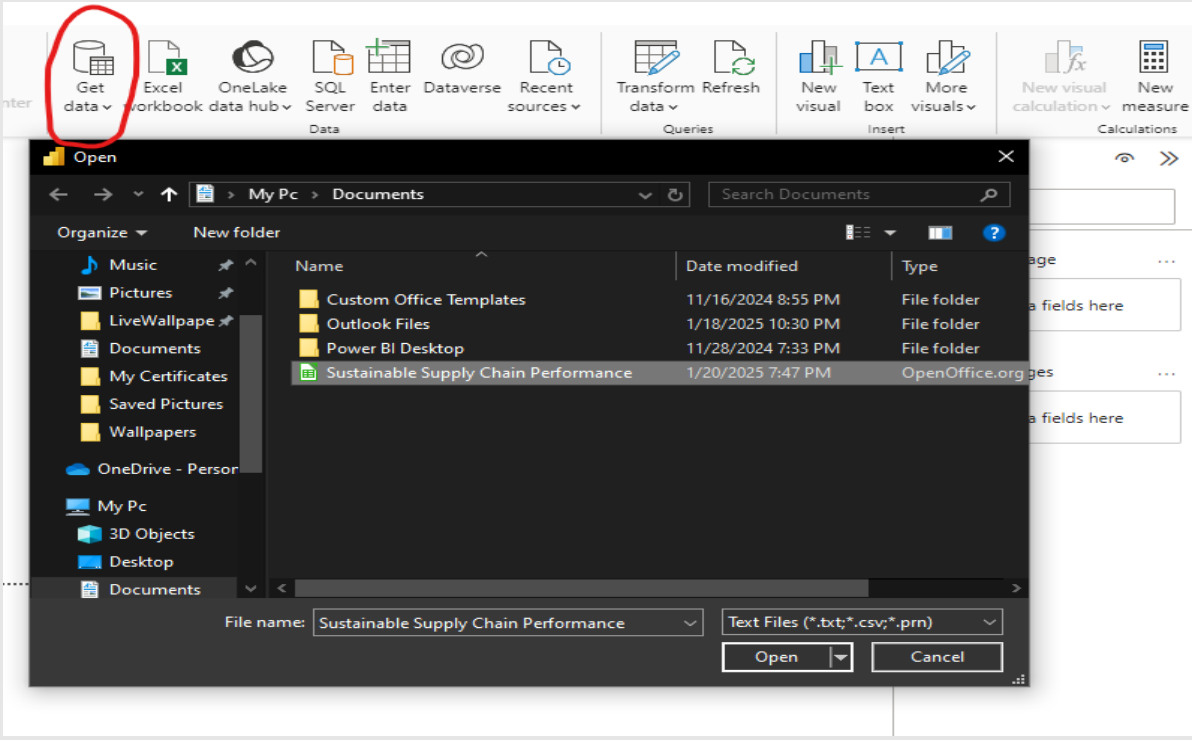
Steps done so far:

1. Created a file named: Sustainable supply chain management using power BI dashboard.



2. After creating file we need to import the data for further analysis which can be done by importing from more no of sources in Power BI

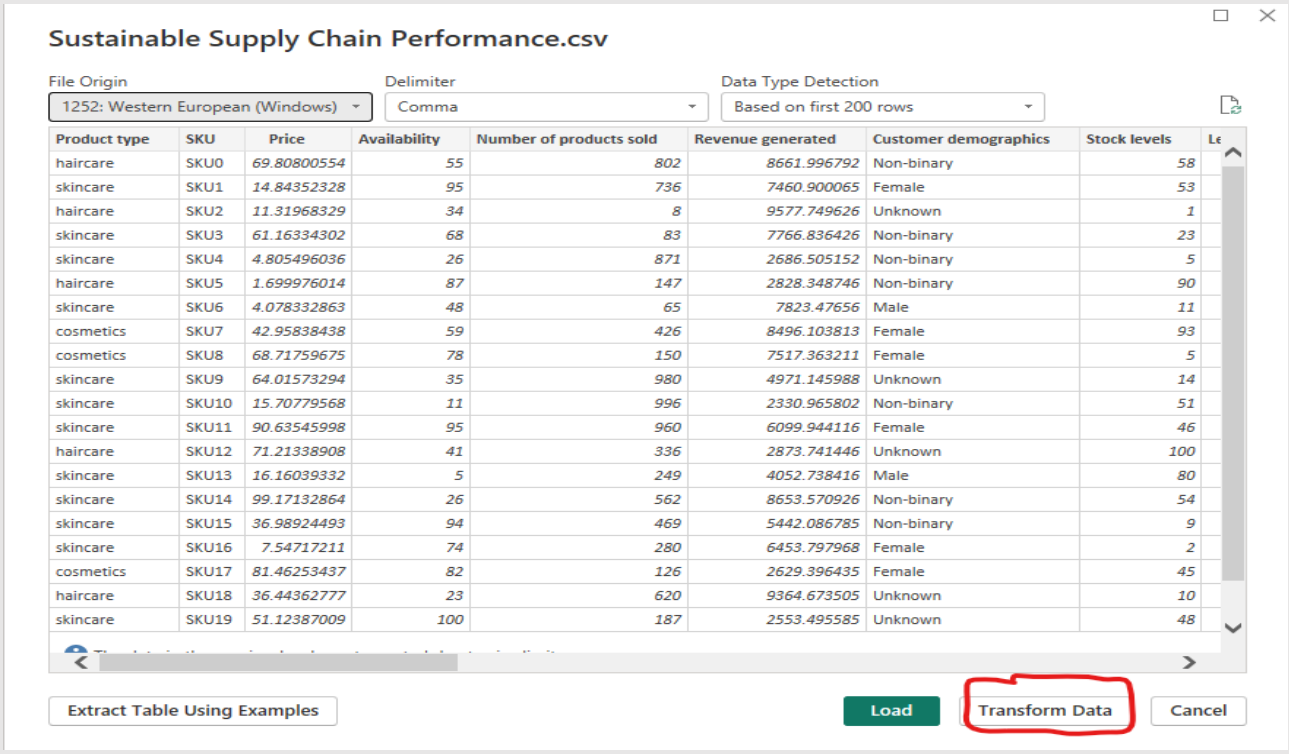
   Here, from CsvFile named : Sustainable Supply Chain Performance , the data's are imported in Power BI



3. Then after importing the data, we need to categorize the data by transform data option in power BI

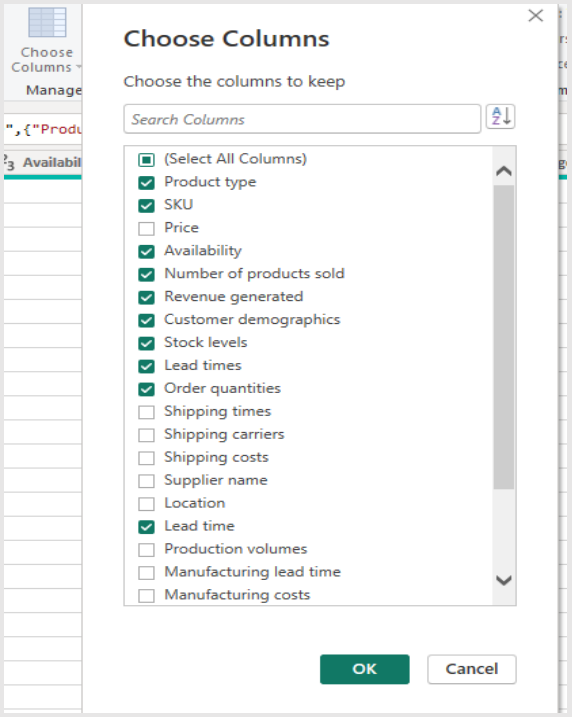
   For this topic we need:

   i. Inventory Table
   ii. Manufacturing Table
   iii. Supplier Table
   iv. Supply Chain Table

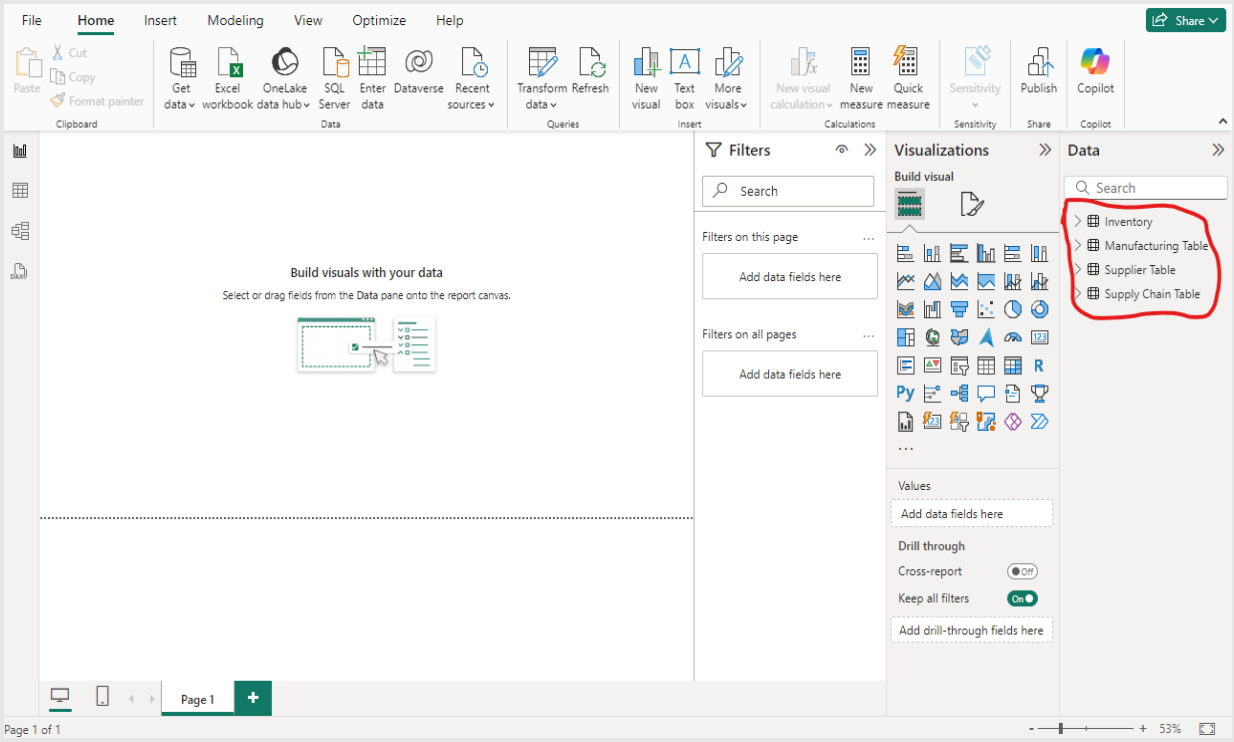


Product type	SKU	Price	Availability	Number of products sold	Revenue generated	Customer demographics	Stock levels
haircare	SKU0	69.80800554	55	802	8661.996792	Non-binary	58
skincare	SKU1	14.84352328	95	736	7460.900065	Female	53
haircare	SKU2	11.31968329	34	8	9577.749626	Unknown	1
skincare	SKU3	61.16334302	68	83	7766.836426	Non-binary	23
skincare	SKU4	4.805496036	26	871	2686.505152	Non-binary	5
haircare	SKU5	1.699976014	87	147	2828.348746	Non-binary	90
skincare	SKU6	4.078332863	48	65	7823.47656	Male	11
cosmetics	SKU7	42.95838438	59	426	8496.103813	Female	93
cosmetics	SKU8	68.71759675	78	150	7517.363211	Female	5
skincare	SKU9	64.01573294	35	980	4971.145988	Unknown	14
skincare	SKU10	15.70779568	11	996	2330.965802	Non-binary	51
skincare	SKU11	90.63545998	95	960	6099.944116	Female	46
haircare	SKU12	71.21338908	41	336	2873.741446	Unknown	100
skincare	SKU13	16.16039332	5	249	4052.738416	Male	80
skincare	SKU14	99.17132864	26	562	8653.570926	Non-binary	54
skincare	SKU15	36.98924493	94	469	5442.086785	Non-binary	9
skincare	SKU16	7.54717211	74	280	6453.797968	Female	2
cosmetics	SKU17	81.46253437	82	126	2629.396435	Female	45
haircare	SKU18	36.44362777	23	620	9364.673505	Unknown	10
skincare	SKU19	51.12387009	100	187	2553.495585	Unknown	48

- From the data file .csv imported we need to make a duplicate of the data set and rename it accordingly by names given above.
- Also select the columns required for the particular table and



4. Now, the dataset from the csv file has been categorized accordingly for analysis



Note: As the dataset in the csv file is already cleaned we need not to clean the data's present in the file.

End Goal:

Our final goal of the project is focused on Sustainable Supply Chain Management using Power BI Dashboard is to create an interactive and insightful dashboard that helps businesses monitor and improve the sustainability of their supply chains.