



Experiment: 2.3

Aim:

a. Import the data warehouse data in Microsoft Excel and create the Pivot table and Pivot Chart.

B. Import the cube in Microsoft Excel and create the Pivot table and Pivot Chart to perform data analysis

Software Required:

- Python
- R

Description:

The experiment involves using Microsoft Excel to import data from a data warehouse and a cube and then creating Pivot Tables and Pivot Charts for data analysis. The data warehouse data represents structured and consolidated data, while the cube contains multidimensional data. Participants will learn how to manipulate and analyze data effectively using Excel's powerful features.

Pseudo code/Algorithms/Flowchart/Steps:

1.Import Data Warehouse Data:

- Open Microsoft Excel and create a new workbook.
- Connect to the data warehouse and import the relevant data into Excel.
- Organize the data into suitable rows and columns.

2.Create Pivot Table and Pivot Chart for Data Warehouse Data:

- Select the data range and click on the "PivotTable" button in the "Insert" tab.
- Choose the location for the Pivot Table and click "OK."
- In the PivotTable Fields pane, drag and drop the relevant fields to rows, columns, and values sections.
- Explore different summarization options, such as sum, count, average, etc.
- Create a Pivot Chart based on the Pivot Table to visualize the data effectively.

3.Import Cube Data:



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a. Open Microsoft Excel and create a new workbook.

b. Connect to the cube and import the multidimensional data into Excel.

4. Create Pivot Table and Pivot Chart for Cube Data:

a. Select the cube data and click on the "PivotTable" button in the "Insert" tab.

b. Choose the location for the Pivot Table and click "OK."

c. Use dimensions and measures from the cube to organize the Pivot Table.

d. Create a Pivot Chart based on the Pivot Table to visualize the multidimensional data.

Implementation

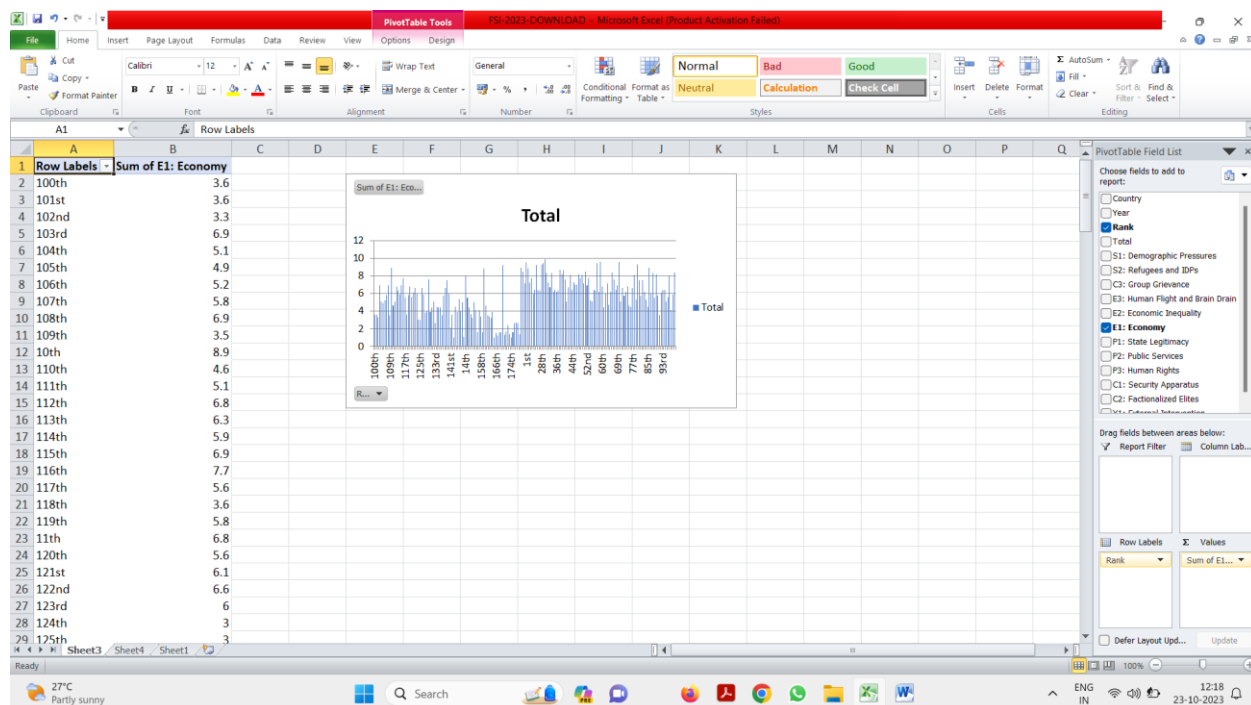
Country	Rank
Somalia	2023 1st
Yemen	2023 2nd
South Suda	2023 3rd
Congo Demo	2023 4th
Syria	2023 5th
Afghanistan	2023 6th
Sudan	2023 7th
Central Af	2023 8th
Chad	2023 9th
Haiti	2023 10th
Ethiopia	2023 11th
Myanmar	2023 12th
Mali	2023 13th
Guinea	2023 14th
Nigeria	2023 15th
Indonesia	2023 16th
Libya	2023 17th
Ukraine	2023 18th
Eritrea	2023 19th
Burundi	2023 20th
Burkina Fa	2023 21st
Mozambique	2023 22nd
Cameroon	2023 23rd
Niger	2023 24th
Lebanon	2023 25th
Uganda	2023 26th
Iraq	2023 27th
Congo Repu	2023 28th
Venezuela	2023 29th
Sri Lanka	2023 30th
Guinea Bis	2023 31st
Pakistan	2023 32nd

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TSI-2023-DOWNLOAD - Microsoft Excel (Product Activation Failed)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2																			
3	Row Labels	Sum of Total	Sum of Year	Sum of E1: Economy	Sum of S2: Refugees and IDPs														
4	Afghanistan	106.6	2023	9.6	8.6														
5	6th	106.6	2023	9.6	8.6														
6	Albania	56.8	2023	6.1	2.8														
7	121st	56.8	2023	6.1	2.8														
8	Algeria	70	2023	6.2	6.2														
9	83rd	70	2023	6.2	6.2														
10	Angola	86.9	2023	8.2	5.3														
11	39th	86.9	2023	8.2	5.3														
12	Antigua and Barbuda	53.8	2023	6.6	2.7														
13	126th	53.8	2023	6.6	2.7														
14	Argentina	46.4	2023	6.6	1.6														
15	139th	46.4	2023	6.6	1.6														
16	Armenia	67.5	2023	6.4	6.8														
17	93rd	67.5	2023	6.4	6.8														
18	Australia	22	2023	1.6	1.7														
19	168th	22	2023	1.6	1.7														
20	Austria	24.4	2023	1.2	4.5														
21	167th	24.4	2023	1.2	4.5														
22	Azerbaijan	72.7	2023	4.5	6.3														
23	76th	72.7	2023	4.5	6.3														
24	Bahamas	49.2	2023	4.5	2.5														
25	134th	49.2	2023	4.5	2.5														
26	Bahrain	65.1	2023	3.6	1.4														
27	101st	65.1	2023	3.6	1.4														
28	Bangladesh	85.2	2023	5.1	7.5														
29	41st	85.2	2023	5.1	7.5														
30	Barbados	45.4	2023	6	1.9														
31	140th	45.4	2023	6	1.9														
32	Belarus	69.9	2023	5.3	3.2														
33	84th	69.9	2023	5.3	3.2														
34	Belgium	31.4	2023	4.6	2.1														



b)

