

# **SESSION WILL BE DIVIDED INTO**

1. What is meant by Data Transformations?
2. Why do we need it?
3. Loading the data from Snowflake and Excel
4. Real Life Saviours
5. Closing the session

## SECTION 1

# What Is Meant By Data Transformations

- **Data Transformation** refers to the process of converting data from one format or structure into another.
- This is a key step in data processing workflows, especially in **ETL (Extract, Transform, Load)** operations, where raw data is processed, cleaned, and made suitable for analysis and reporting.

## SECTION 1

# What Is Meant By Data Transformations

- **Examples of data transformations are**
- Changing the data type of columns
- Replacing a value from the column
- Adding a new column
- Removing a column
- Merging or appending two columns
- String manipulation of the columns
- And many more

## SECTION 2

# Why Do We Need It?

- Why do we need it?
- **Data Consistency:** Ensures the data is in a uniform format.
- **Improved Analysis:** Helps to cleanse and aggregate data for accurate analysis.
- **Data Integration:** Allows combining data from multiple sources or systems.
- **Data Enrichment:** Adds additional value to raw data by deriving new fields or insights.
- **Optimized Storage:** By cleaning and aggregating data, it can be stored more efficiently

SECTION 3

Where  
Can  
We  
Apply  
Data  
Transformations  
?

- THE ANSWER IS “POWER QUERY EDITOR”

Queries [2]

Sort Ascending

Sort Descending

Clear Sort

Clear Filter

Remove Empty

Date Filters

Search

☒ (Select All)

☒ 01-04-2022

List may be incomplete. Load more

OK

Cancel

Table.Sort(ORDERS\_Table,{{"DATE\_", Order.Ascending}})

DATE	CITY_NAME	ORDER_ID	CART_ID	DIM_CUSTOMER_KEY	PROCURED_QUANTITY	UNIT_SELLIN
	Mumbai	112247182	173273662	16541671	1	
	Bengaluru	112246976	173273597	18259433	1	
	HR-NCR	112247149	173274225	479129	1	
	Delhi	112247317	173274278	13497358	1	
	Delhi	112247233	173269263	21466	1	
	HR-NCR	112247321	173273059	4480518	1	
	Delhi	112247317	173274278	13497358	1	
	Bengaluru	112247425	173273350	17213227	1	
	Bengaluru	112247328	173269880	18049405	2	
	HR-NCR	112247431	173274695	1778240	1	
	HR-NCR	112247464	173273818	13982586	1	
	Delhi	112247443	169126739	7258345	1	
	Bengaluru	112247487	173275066	2812501	2	
	Delhi	112247483	173274915	5792943	1	
	Bengaluru	112247487	173275066	2812501	1	
	Delhi	112247513	172624184	18062502	2	
	Delhi	112247522	173275012	17550576	1	
18	01-04-2022	HR-NCR	112247528	173117975	2394931	1
19	01-04-2022	HR-NCR	112247536	173274618	5507569	1
20	01-04-2022	Delhi	112247584	172746884	2046368	1
21	01-04-2022	Delhi	112247638	173274990	16407400	1
22	01-04-2022	HR-NCR	112247693	173273354	18275433	1
23	01-04-2022	Delhi	112247673	151098842	7547491	1
24	01-04-2022	Delhi	112247712	173275226	2973152	1
25	01-04-2022	HR-NCR	112247731	173271251	2134324	1
26	01-04-2022	Bengaluru	173274184	16712007	2	
27	01-04-2022	Delhi	112247744	173275338	6981521	1
28						

Query Settings

PROPERTIES

Name

ORDERS

All Properties

APPLIED STEPS

Source

Navigation

Sorted Rows

10 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 12:19

## SECTION 4

# Loading The Data Into Power BI

- We will load two tables
- PEOPLE AND RETURNS TABLE FROM SNOWFLAKE
- Orders table from excel

## SECTION 5

**REAL LIFE  
SAVIOURS.**

**(CASE  
STUDY FOR  
YOU)**

**EXAMPLE 1:**

**CHANGING THE DATA SOURCE**