Group By in Power BI

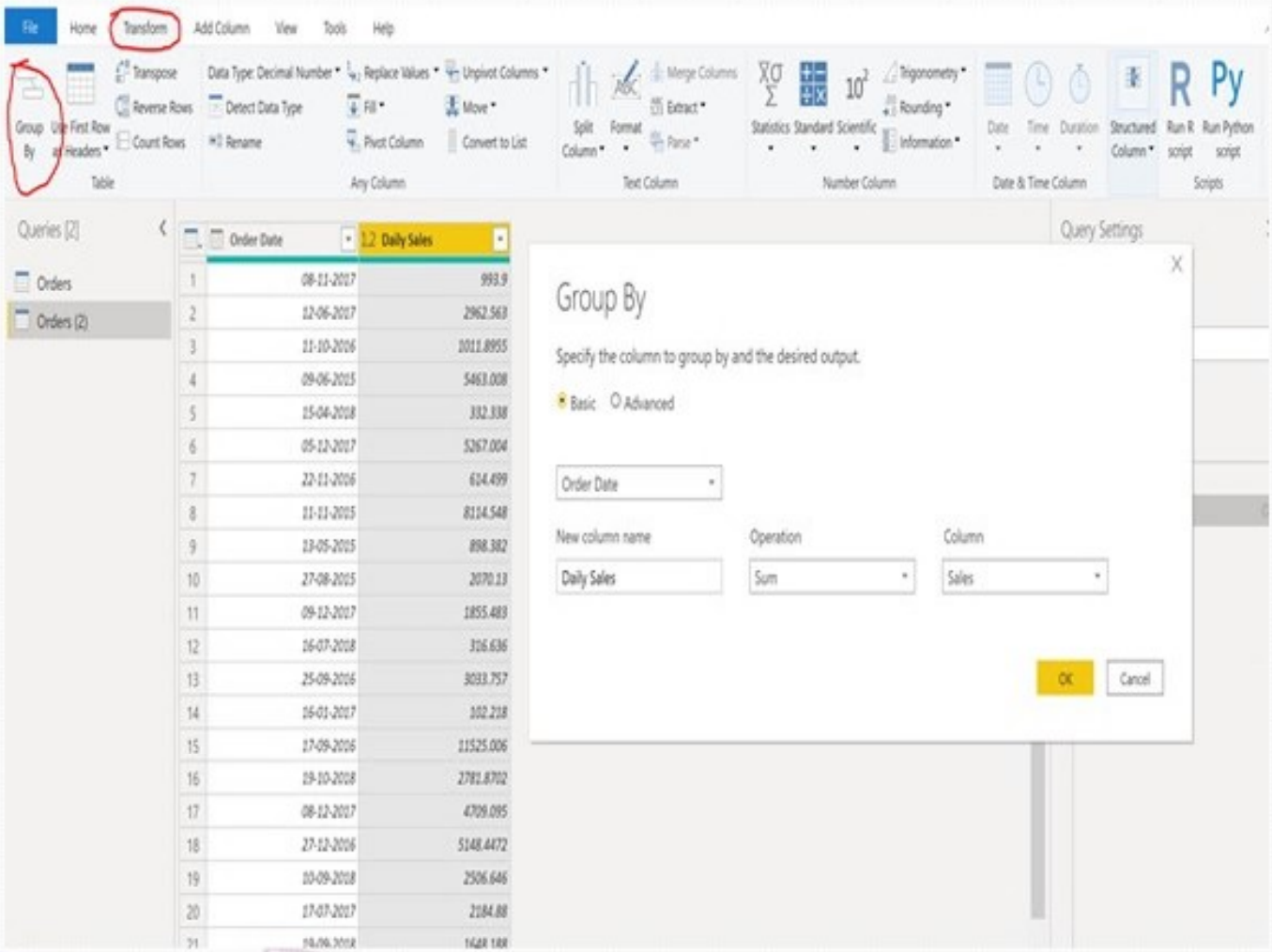
What is Group By

- This is similar to the Group By clause in SQL.
- So, when you want to group the rows of a Column to see an aggregated value then, we use Group By function in Power BI.
- There are 2 ways of doing this :

- a) From the Query Editor and this will result in a new table if we reference the original table.
- b) DAX query

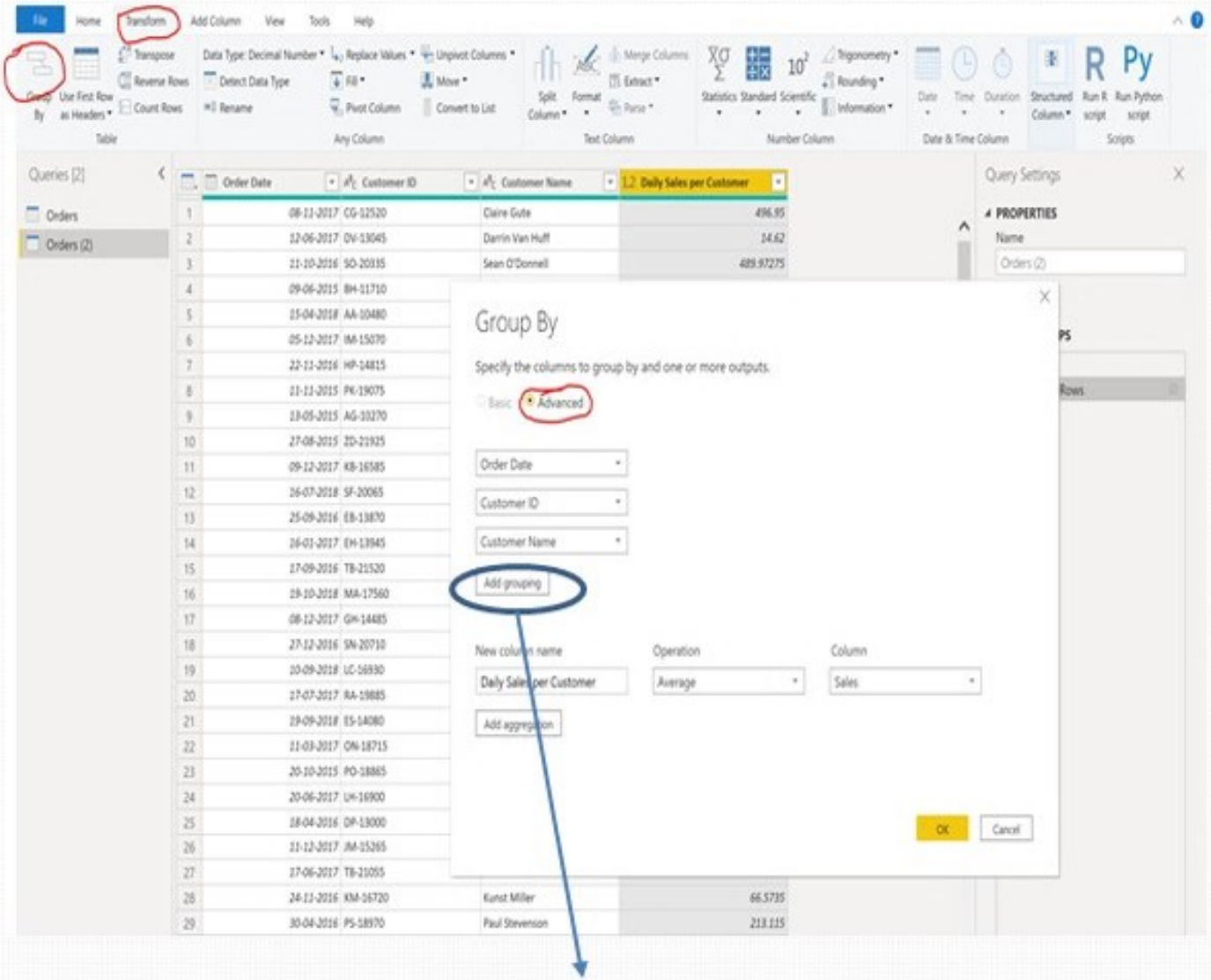
Basic Group By in Query Editor

- The user wants to see the Daily Sales made in Superstore data.
- Go to Transform Data and Reference the Table. Go to Transform tab and you will find Group By Option. In the Basic Option follow the screenshot to achieve Just 2 Column – Unique Date and the Sales on that Date.



Advance Group By in Query Editor

- The user wants to see the Daily Sales made by a Customer in Superstore data.
- Go to Transform Data and Reference the Table. Go to Transform tab and you will find Group By Option. In the Advance Option you get an option to aggregate the values as per multiple Columns.
- For our scenario we want to Group by Order Date, Customer ID & Customer Name to get Total Sales.



You can Add Multiple Column by Clicking on Add Grouping

DAX Group By

- While writing a Group By Dax, remember it comes with an additional function called CurrentGroup().
- Here you can add multiple columns for the Group By function.
- This Function returns a Table. So, the Dax that you will right will be in New Table Option.
- Create the below DAX in the Superstore data:

```
1 Group By per State & Sales = GROUPBY(Orders,
2         Orders[State], Orders[Category],
3          "Total Sales",
4          SUMX(CURRENTGROUP(),Orders[Sales]))
```

The result of the above dax formula, will be a new table in the Superstore data, like below. Notice that on the right side (Fields pane) the Group by table has only the columns we decided in Dax.

```
1 Group By per State & Sales = GROUPBY(Orders,
2       Orders[State], Orders[Category],
3        "Total Sales",
4        SUMX(CURRENTGROUP(),Orders[Sales]))
```

Orders_State	Orders_Category	Total Sales
California	Office Supplies	142351.948
California	Technology	159271.082
California	Furniture	156064.6015
Utah	Furniture	4822.35
Washington	Furniture	48020.152
Michigan	Furniture	22321.1
Missouri	Furniture	2936.45
Virginia	Furniture	25321.95
Georgia	Furniture	8321.48
Nevada	Furniture	4635.172
Oklahoma	Furniture	8284.1
Mississippi	Furniture	4317.85
Wisconsin	Furniture	17256.61
Alabama	Furniture	6332.48
Idaho	Furniture	2595.482
Kentucky	Furniture	12126.84
Indiana	Furniture	11496.71
Arkansas	Furniture	3187.55
Minnesota	Furniture	7611.35
Iowa	Furniture	2642.31
Louisiana	Furniture	2963.03
Connecticut	Furniture	5174.987
Washington	Technology	50536.71
New York	Technology	127483.5
Montana	Technology	3662.934
District of Columbia	Technology	1379.92
Michigan	Technology	16224.755
Alabama	Technology	8969.08

TABLE: Group By per State & Sales (142 rows)

Fields

Search

- Group By per Stat...
  - Orders_Category
  - Orders_State
  - Total Sales
- Orders
  - Category
  - City
  - Country
  - Customer ID
  - Customer Name
  - Discount
  - Order Date
  - Order ID
  - Postal Code
  - Product ID
  - Product Name
  - Profit
  - Quantity
  - Region
  - Row ID
  - Sales
  - Segment
  - Ship Date
  - Ship Mode