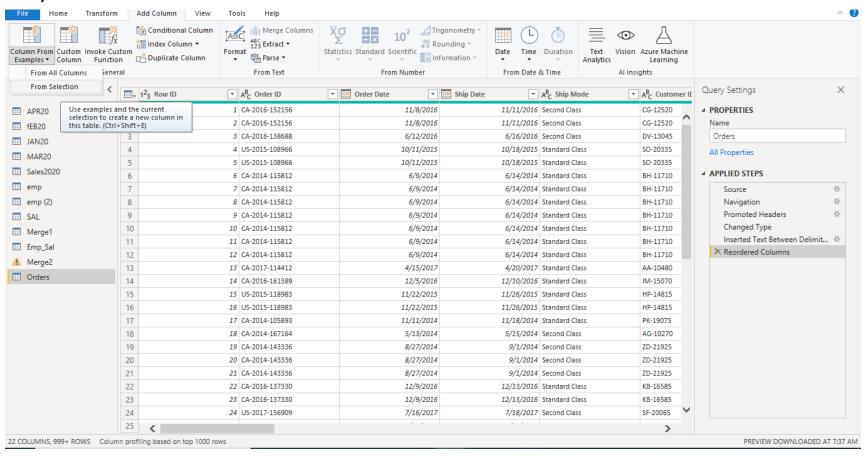
# Columns From Example in Power Query

CFE is Just like Fast Fill In Excel. Many of the Text & date functions can be utilized without writing any function, Just by few clicks. (Split, Merge, Date Parts, Part of AlphaNumeric Data)

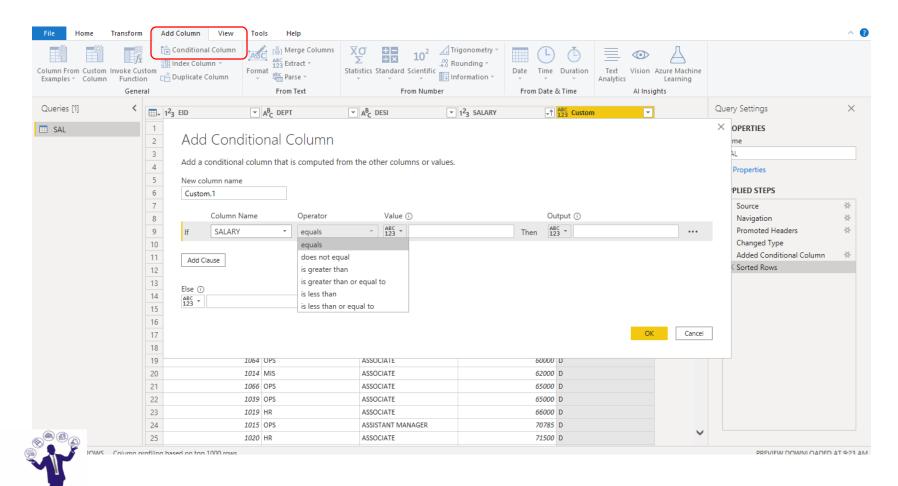




# Conditional Columns in Power Query

Conditional Column is just like IF Else formula in Excel without writing any code.

To add a Conditional Column : Add Column -> Conditional Column -> Specify the condition







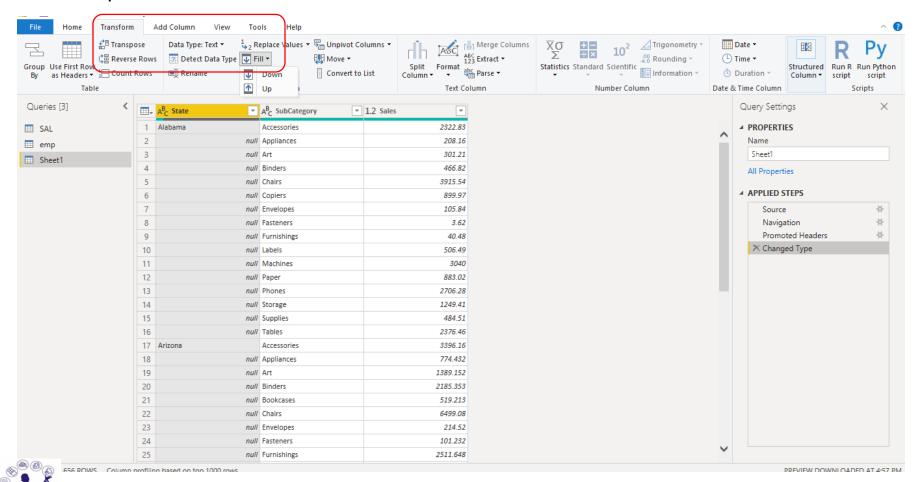
- Create a visual to display no of employees on the basis of seniority level (tenure Years: > 5 Senior, 3-5 Junior, 1-3 Intern, <1 - Temp)</li>
- Grade the employees on the basis of salary (A >300000 / B >100000/ C >50000 /NA <= 50000) and create a visual to get the percentage wise bifurcation of the grade.</li>
- Create a visual to display the promotion percentage.
- Using a funnel chart display City wise bifurcation of salary.
- Create a visual to display city wise count of employees bifurcated on the basis of designation.



# **Auto Fill in Power Query**

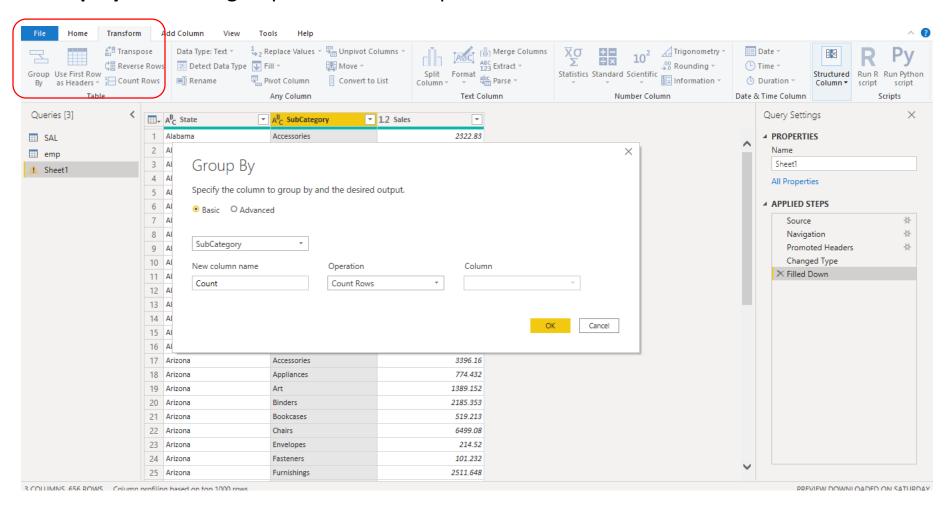
Without writing any code you can fill the data

The FILL Option is available under Transform tab.



# **Grouping in Power Query**

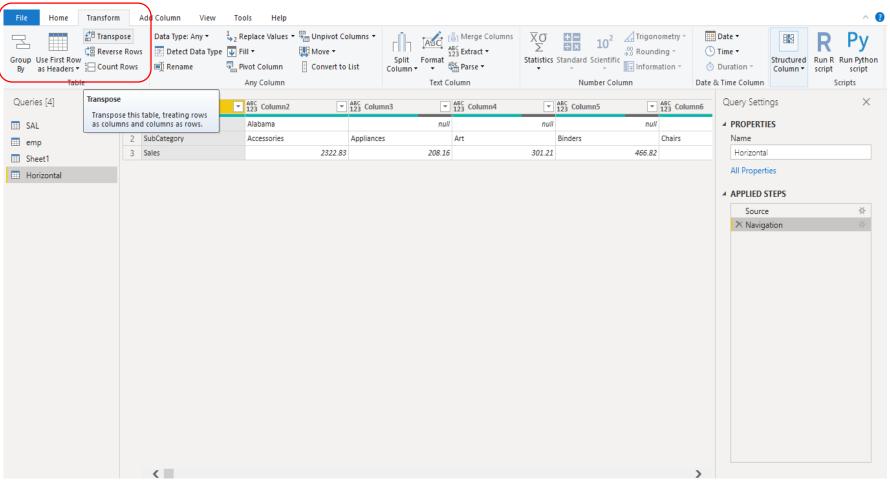
**Group By** is used to group the data. This option is available under Transform Menu





# Transpose Data in Power Query

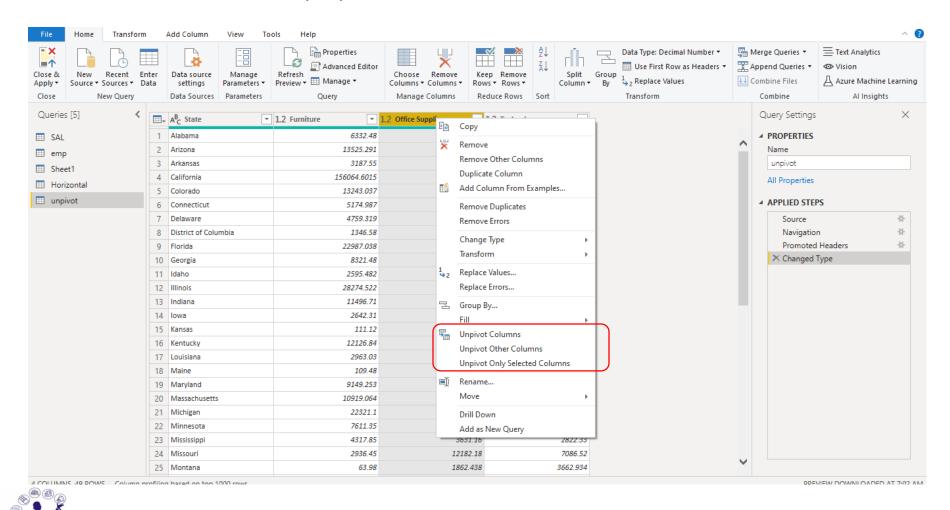
In **Transpose** rows are converted as columns & columns are converted as Rows. This option is available under Transform Menu





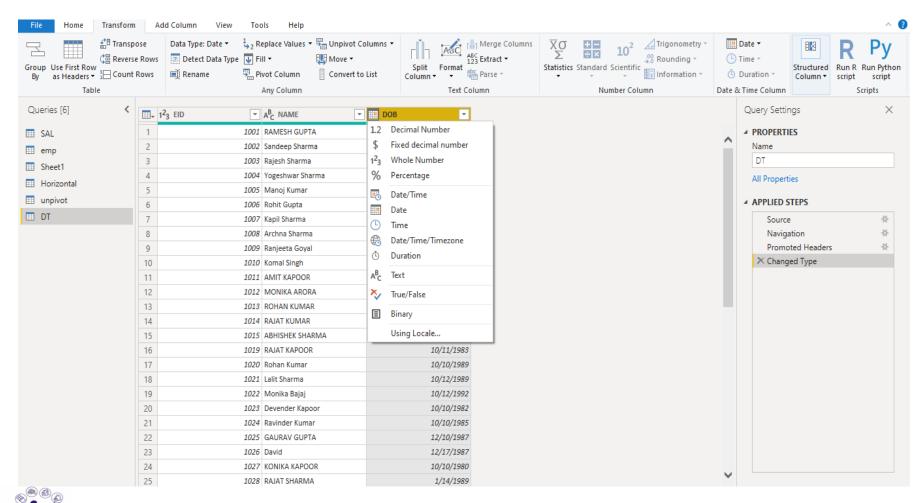
# **Unpivot Data in Power Query**

Unpivot data is the way to get detailed data from the summarized data, which can be further used for visualization purpose.



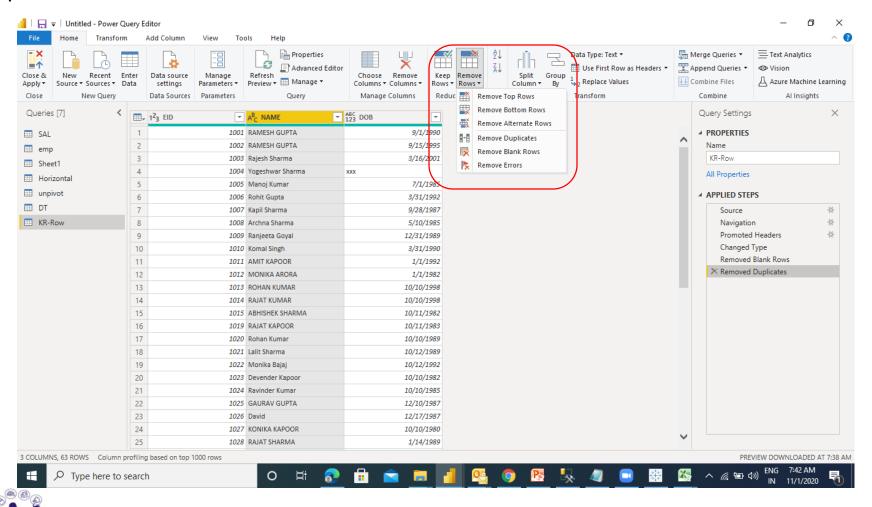
# Data type in Power Query

Power Query automatically identifies the data type while loading the data. However if required it can be changed.



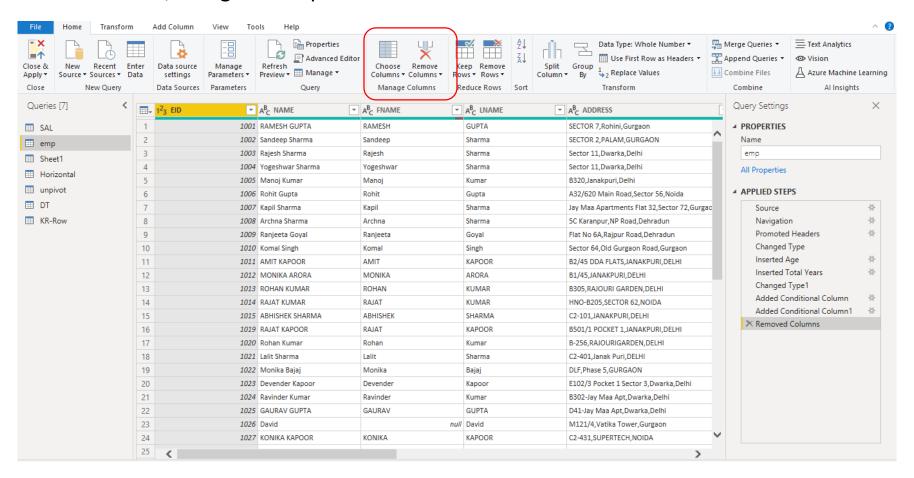
# Keep Remove Rows in Power Query

Keep Remove row option is available under Home tab in Power Query. It provide various options to clean the data.



# Manipulating Columns in Power Query

The Manage Column option under the Home tab allows us to Choose the column, Remove Column, Navigate to a particular column.





Data Modeling is used to connect multiple data sources using relationship and allows us to create visuals based on multiple data sources.

To create a data model we need to switch to Model view.



Report View - Allows us to create the visuals



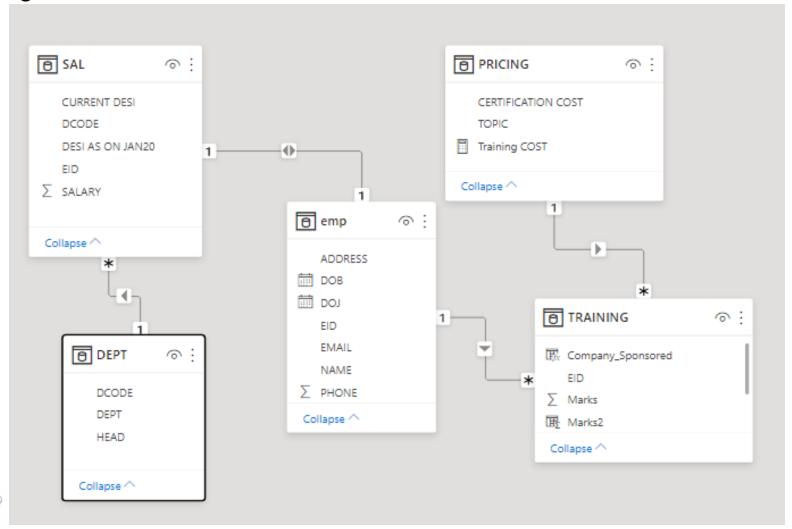
Data View – to see the data from various sources



Model View – to manage relationships



The below model shows the relation ship between Employee, Salary, Dept, Pricing & Training Tables.



The objective of the model is to analyze the training status on the basis of department head

### **Training Analysis:**

No of Training applied under each head

No of training completed under each head

Training result of each head

No. of company Sponsored Trainings under each head (*Marks* >=95 is CS)

Training applied for each module

Percentage of self & company sponsored training

### Cost Analysis:

Department wise total salary

Department wise cost of company sponsored training

Bifurcation of company & self sponsored training under each module

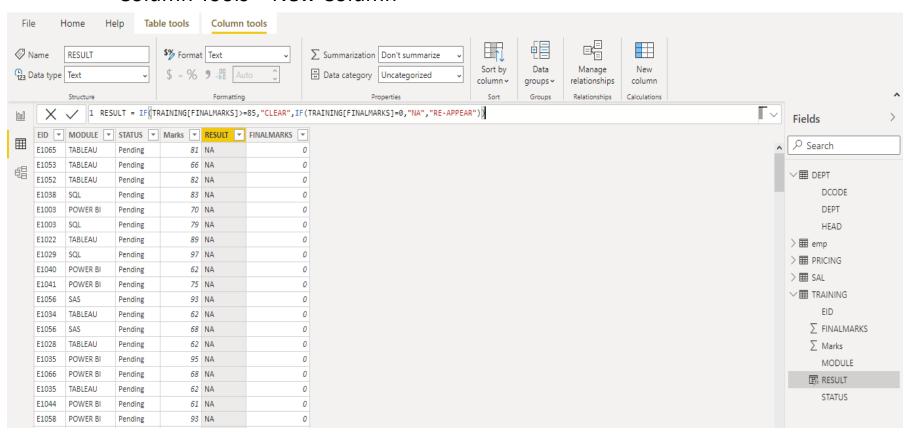
Total no of trainings conducted under each module along with the total cost.





Data View – to see the data from various sources, new columns & measures can also be created in this view.

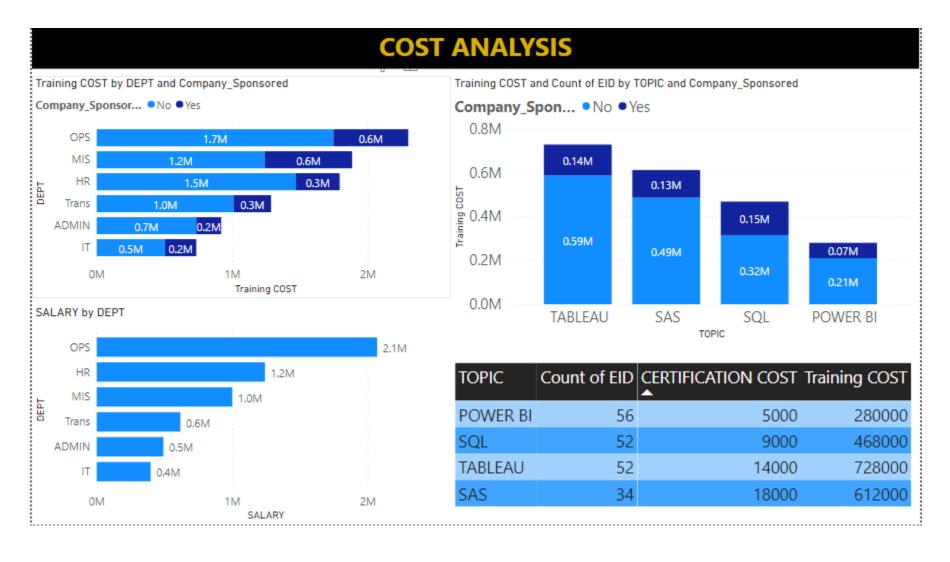
> Column Tools - New Column







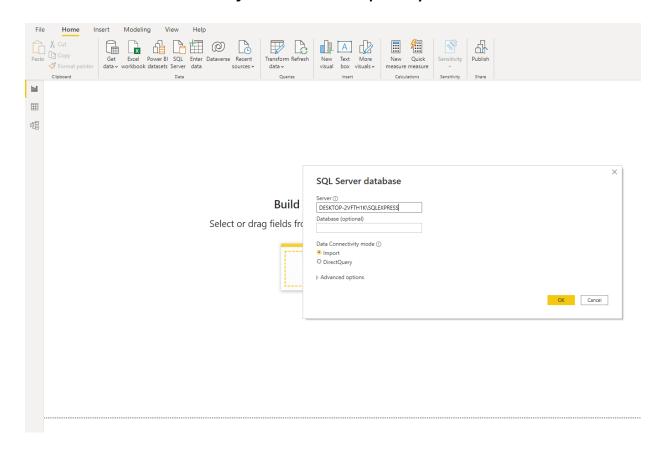






# Connecting to SQL

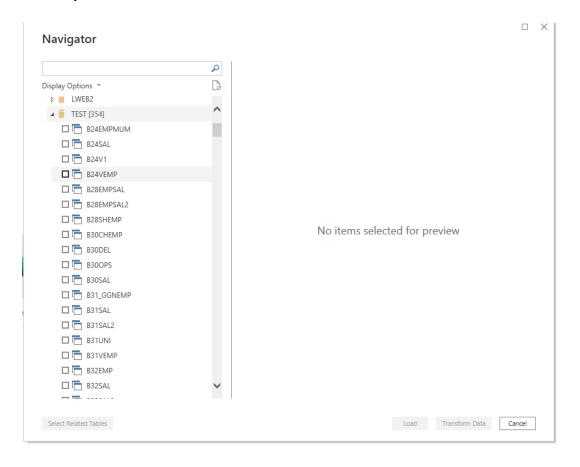
To connect to SQL we just need to specify the server name and click on OK





# Connecting to SQL

Once connected all the database will be displayed. Go to the desired database, select the table you need to connect and select Load / Transform

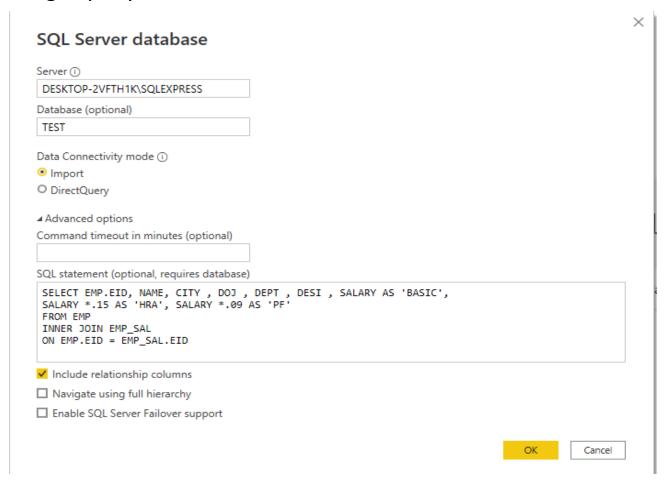




We can get the data from multiple tables and create the model in Power BI

# Connecting to SQL

We can also write the SQL query to get the desired data from multiple tables and create a single query in Power Bi.





Note: Changes done in data source will be automatically reflected in the report



# Thanks!

# EVERY ENDING IS REALLY JUST A NEW BEGINNING

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