Backend analysis of Adventure work Sales Dashboard (Part 1)

Tool: Microsoft Excel





Content ☐ Data Files ☐ Data Loading ☐ Data Connection for Modelling ☐ Data Cleaning ☐ Remove N/A & Null Column ☐ Replace Value ☐ KPIs preparation ☐ Custom column ☐ Conditional column ☐ Merge column ☐ Relation ship diagram ☐ My learning

Data Files

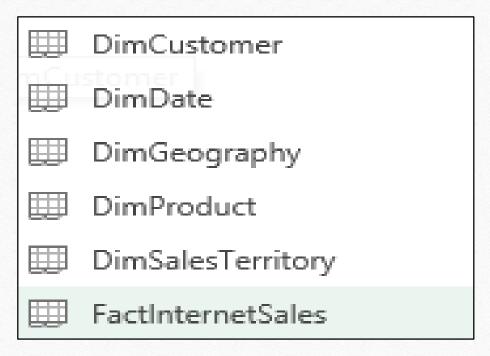
Advanced Sales Analysis.xlsx

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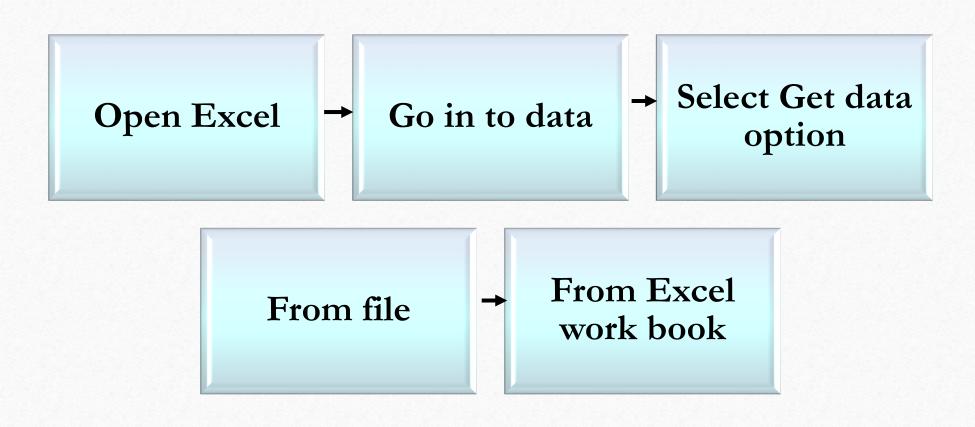
Microsoft Excel ...

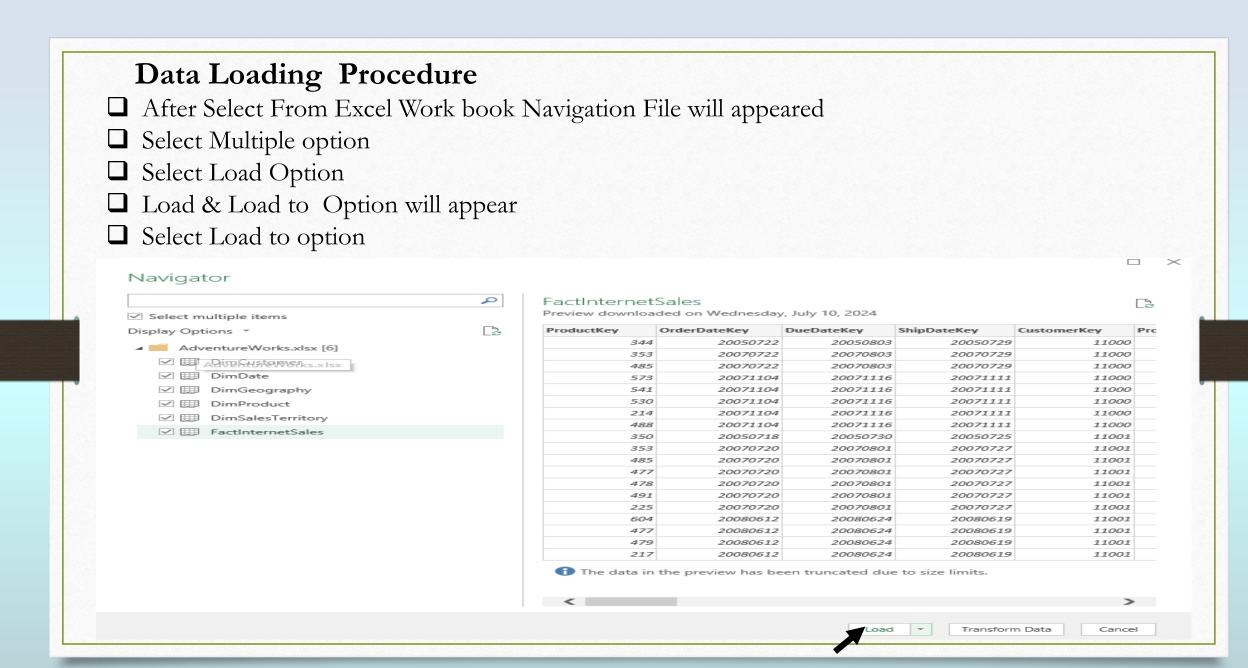
2,700 KB

This data file consist of 6 files —



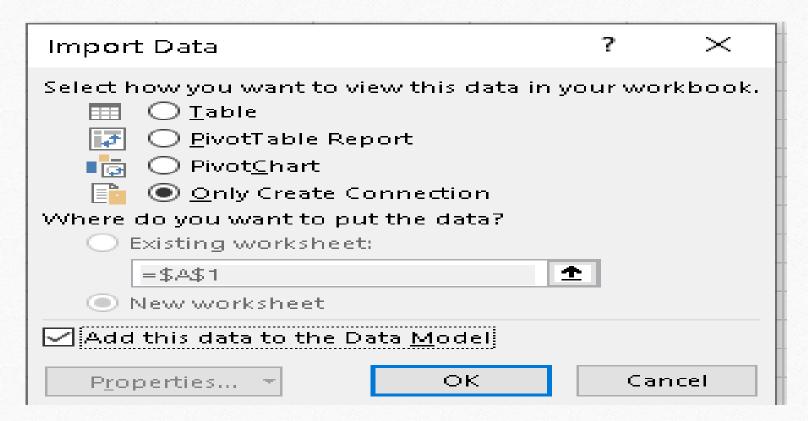
Data Loading Method



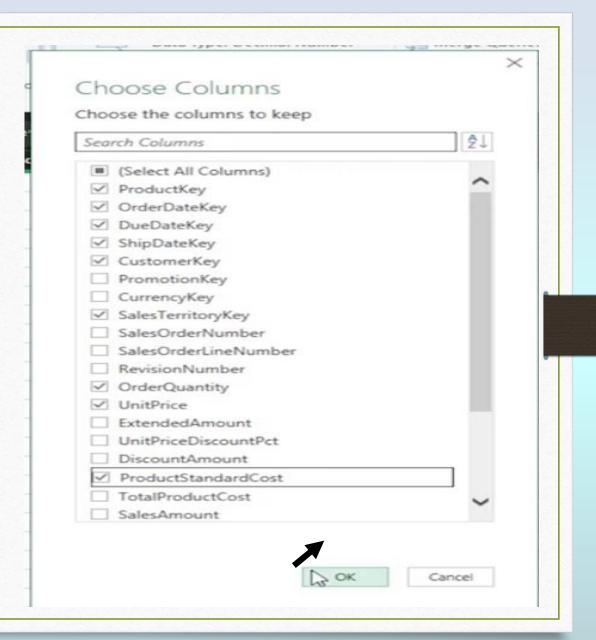


Data Loading Procedure

- ☐ Select Load to option
- ☐ After Load to option Import Data Dialog Box will be appear



- ☐ Data Cleaning of First Fact Internet
 Sales Sheet
- ☐ In Power Query editor go into home option and select choose column
- ☐ Than select importance column which is necessary for analysis



KPIs Preparation

- ☐ In Power Query editor go into home option
- ☐ select choose column Select
 In fact Internet Sale sheet
- ☐ go in to add column and select Custom column

☐ Total Revenue

Formula: order quantity * unit price

□ CODS

Formula: order quantity * Cost

☐ Total Profit

Formula: Total Revenue-CODS

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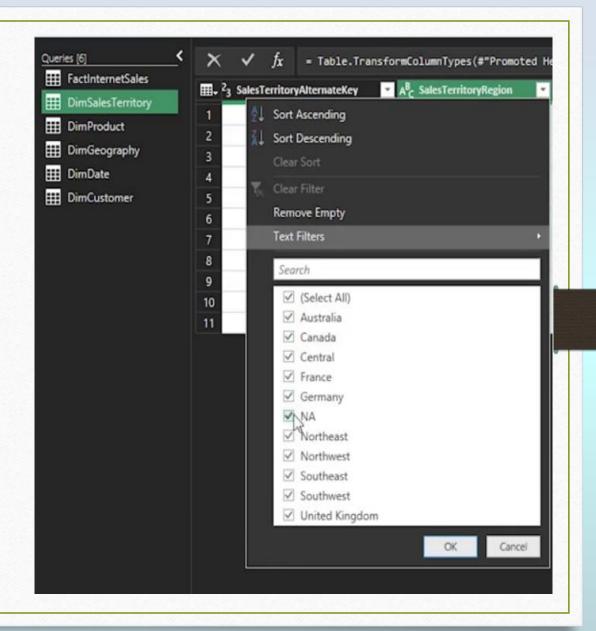
☐ Total Profit

Formula: Total Revenue-CODS

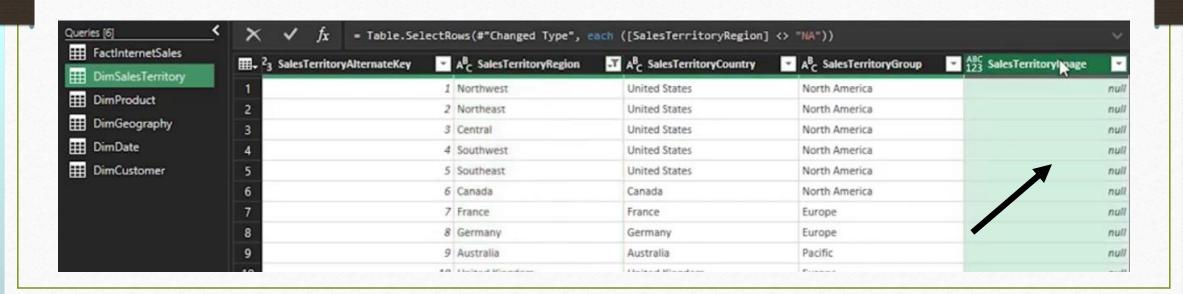
☐ Total Profit

Formula: Total Revenue-CODS

- ☐ Data Cleaning of Second Dim Sales
 Territory Sheet
- ☐ In Power Query editor Select Dim Sales Territory
- ☐ Than select check all column and remove NA

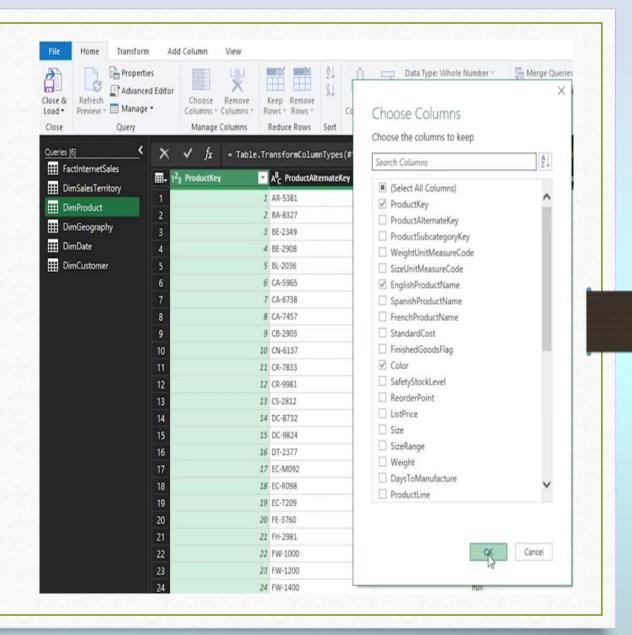


- ☐ Data Cleaning of Second Dim Sales Territory Sheet
 - ☐ In Power Query editor Select Dim Sales Territory
 - ☐ Than check Remaining column and remove null



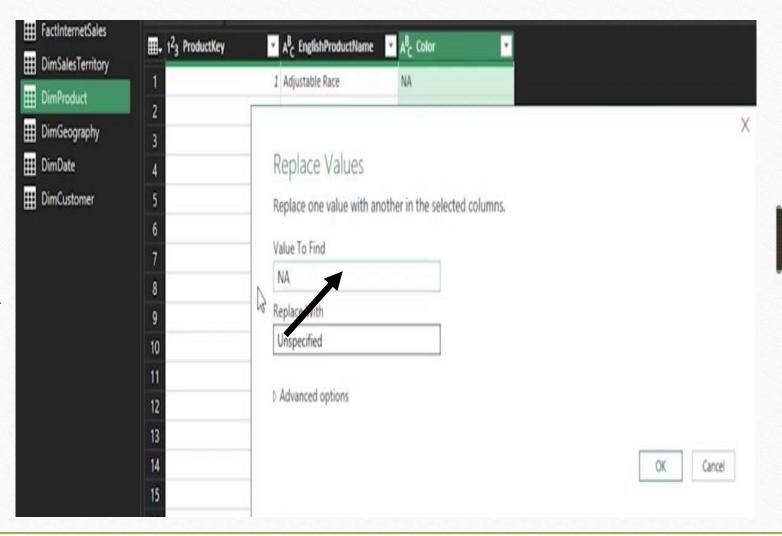
☐ Data Cleaning of 3rd Dim Product Sheet

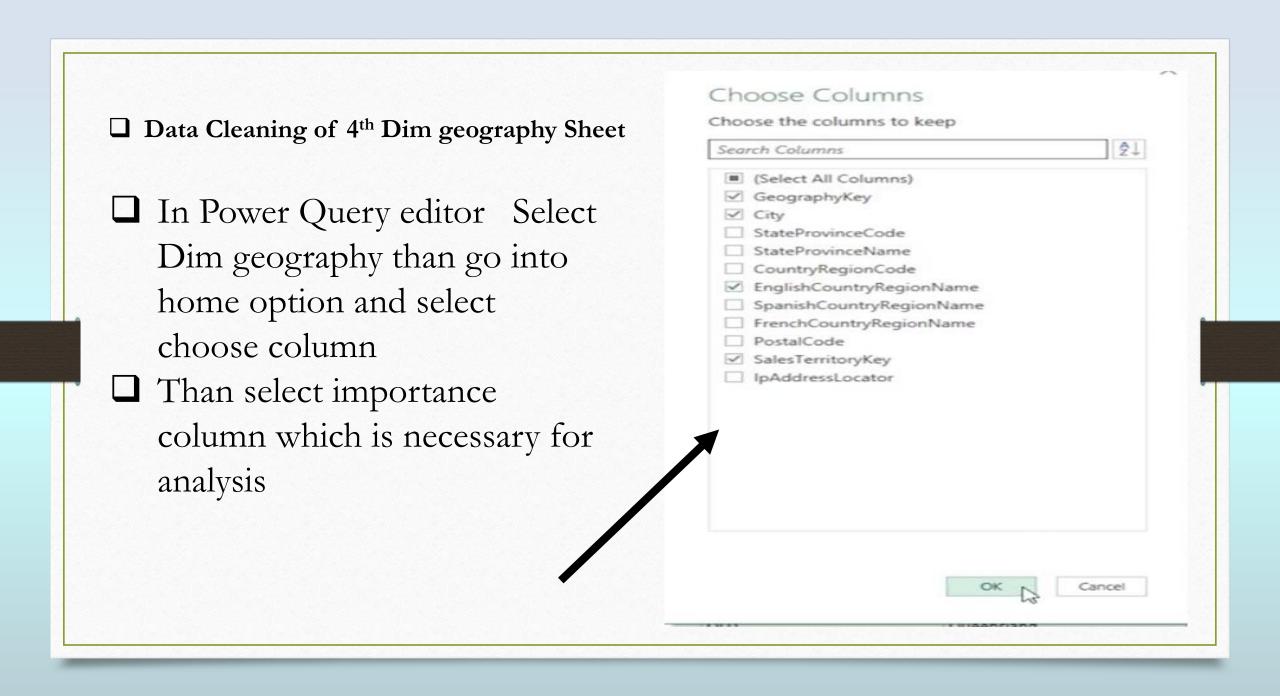
- ☐ In Power Query editor go into home option and select choose column
- ☐ Than select Dim Product importance Sheet and select some column which is necessary for analysis



☐ Remove Duplicate from 3rd Dim Product Sheet

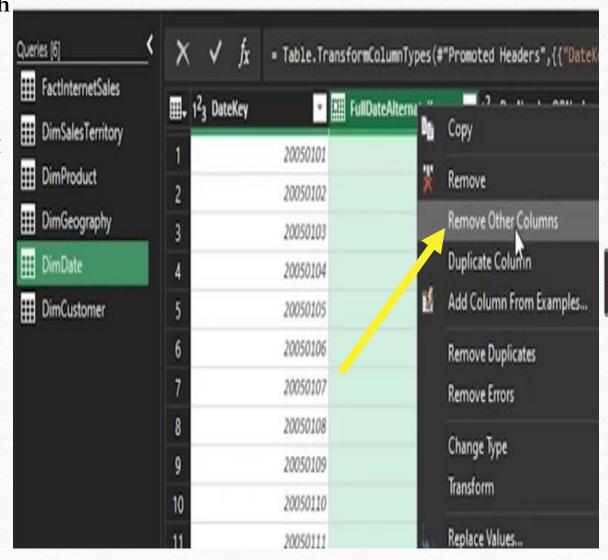
- In Power Query editor go into home option and select Color column
- ☐ Than right click on it
- ☐ And select Replace Value





☐ Remove other column from 5th Dim Date Sheet

- ☐ In Power Query editor Select Dim Date than go into home option and select choose column
- ☐ Than Remove other column which is not necessary for analysis.
- ☐ Than change column Name.



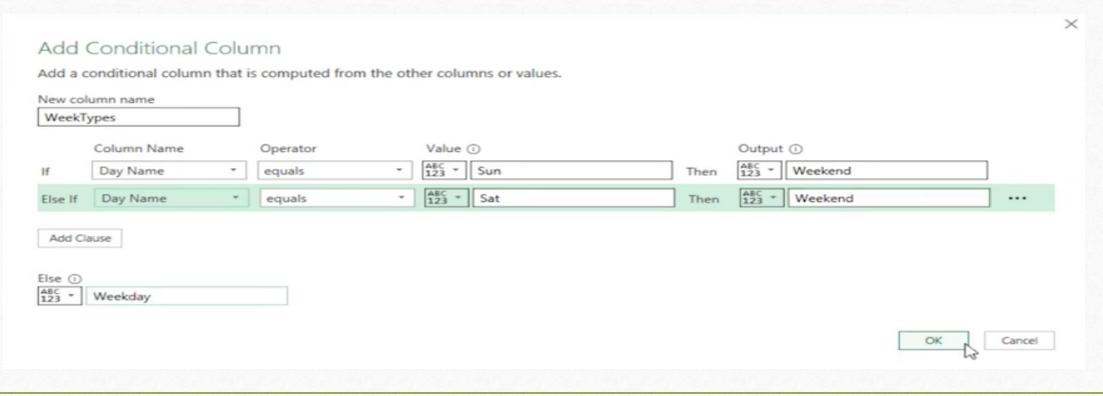
☐ Add Column in 5th Dim Date Sheet

In Power Query editor Select Dim Date than go into add column and select date option and select year, Month number, Month name & Day name.

■ Date 1	² 3 Year	1 ² ₃ Month Number	A ^B _C Month Name	A ^B _C Day Name
01/01/2005	2005	1	Jan	Sat
02/01/2005	2005	1	Jan	Sun
03/01/2005	2005	1	Jan	Mon
04/01/2005	2005	1	Jan	Tue
05/01/2005	2005	1	Jan	Wed
06/01/2005	2005	1	Jan	Thu
07/01/2005	2005	1	Jan	Fri
08/01/2005	2005	1	Jan	Sat
09/01/2005	2005	1	Jan	Sun
10/01/2005	2005	1	Jan	Mon
11/01/2005	2005	1	Jan	Tue
12/01/2005	2005		1	Mind

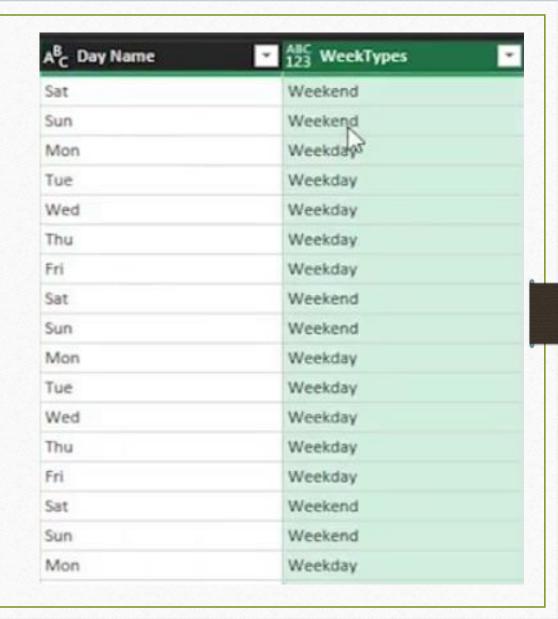
☐ Applying Conditional Column of 5th Dim Date Sheet

☐ In Power Query editor Select Dim Date than go into add column and select Add Conditional column option and select year, Month number, Month name & Day name



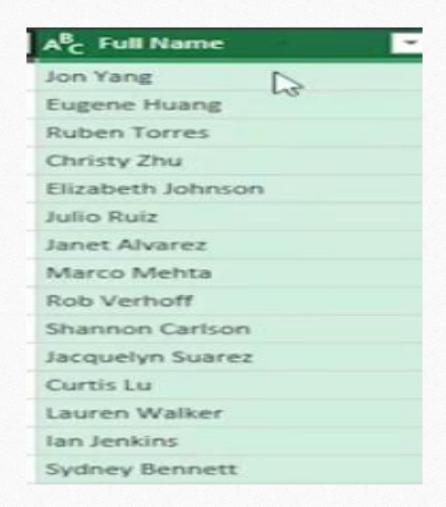
☐ Conational Column result of 5th Dim Date Sheet

- ☐ Result will Highlighted with Green Color
- ☐ Than change data type in text



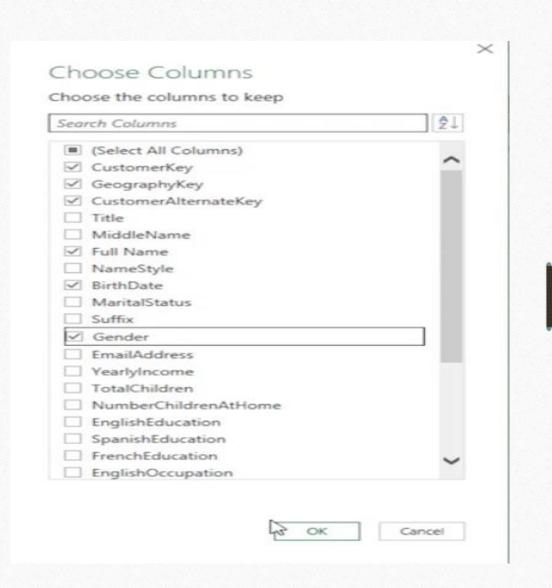
☐ Merge Column from 6th Dim Customer Sheet

- ☐ In power query editor go in to transform option and select merge column with full name.
- ☐ Result will Highlighted with Green Color.



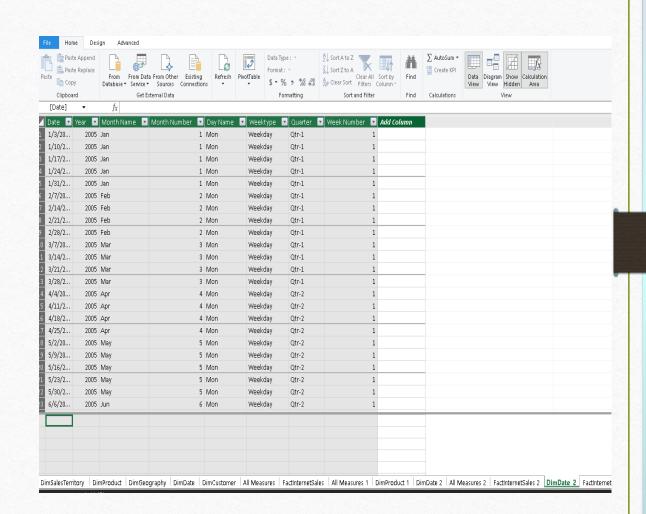
☐ Choose Column from 6th Dim Customer Sheet

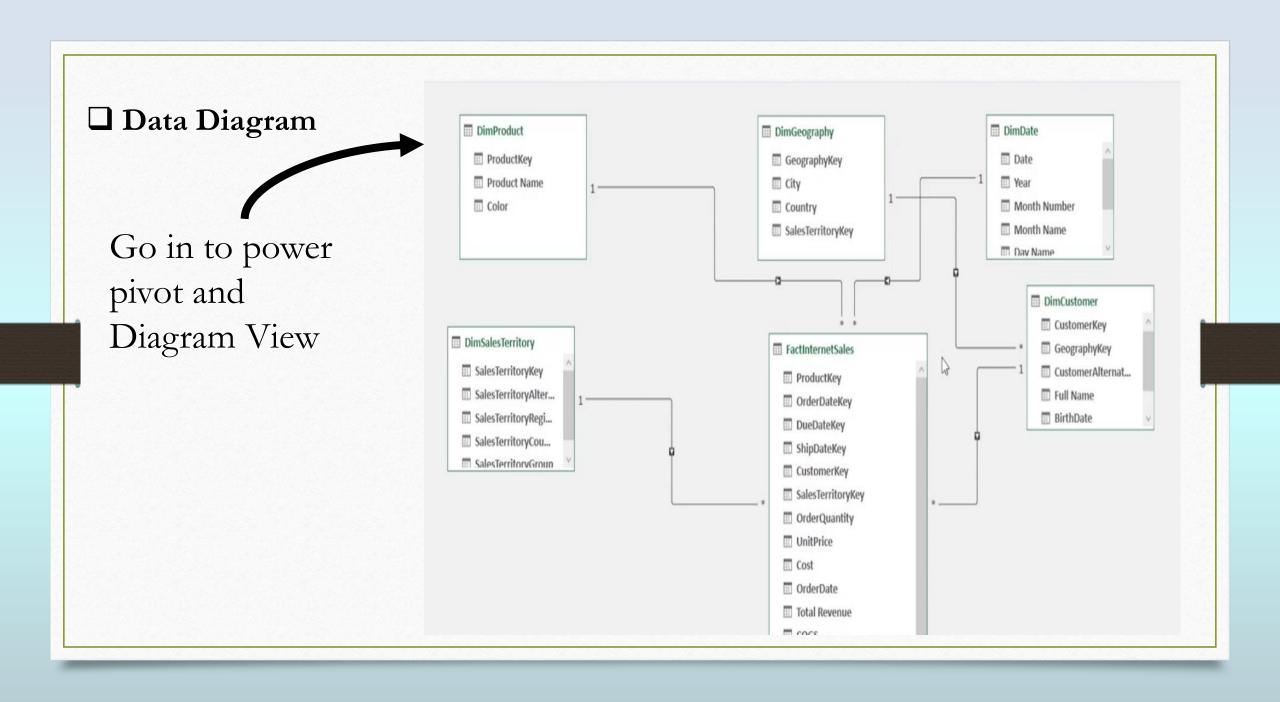
- ☐ In Power Query editor go into home option and select choose column
- ☐ Than select importance column which is necessary for analysis



☐ Manage Relationship

After load and close all sheet Go in to power pivot and select manage





☐ My Learning

- ☐ How to import data?
- ☐ How to load data?
- ☐ How to create connection?
- ☐ How to clean data?
- ☐ How to merge data?
- ☐ How to change data type?
- ☐ How to remove NA, Null, missing and empty column?
- ☐ How to edit relationship?
- How to use conditional column and add custom column?
- ☐ How to transform data?
- ☐ How to creating KPIs preparation?
- ☐ How to use prefix and suffix?
- How to transform date in to day, year, week type, week day, quarter, and month name and month number?

Thanks Stay Tuned for next Part ...

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