

Used in Automation

Power Query is a data transformation and data preparation engine

Power Query includes many prebuilt transformation functions that can be used through the graphical interface of the Power Query Editor

Power Query is Used for Data Transformation, Data Preparation

Data Transformation means, after acquisition, we need to do some process or some kind of changes to removing the unwanted data etc

Data is being collected from various sources

Consider an example of a sales manager

And a Business Analyst

Suppose if a company is getting money from different kind of sources,

For eg:

Paypal

Gpay

PhonePay

Instamojo

Date, Time, Order, MailId, Phone Number, Cost, Expense etc

Problem:

Each and every Saturday's we want to present certain week's data

Like what are the sales, loss, profit, expense etc

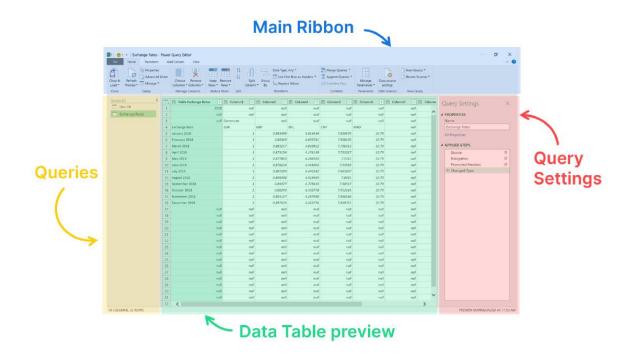
By using Power Query, Automating the tasks

By adding a new week, it will automatically generate the result

Instead of doing it manually every time

Usage of Power Query

Excel for Windows
Excel for Mac
Power BI
Power Apps
Power Automate
Azure Data Factory
SQL Server Integration Services
SQL Server Analysis Services

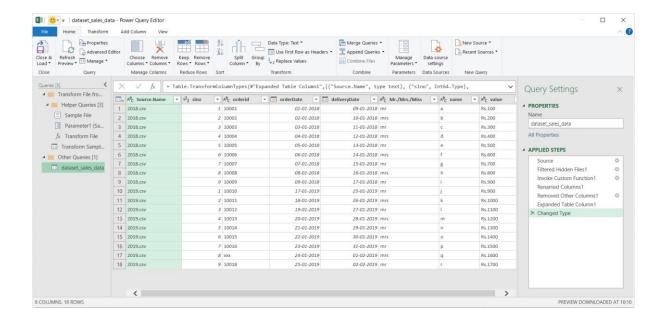


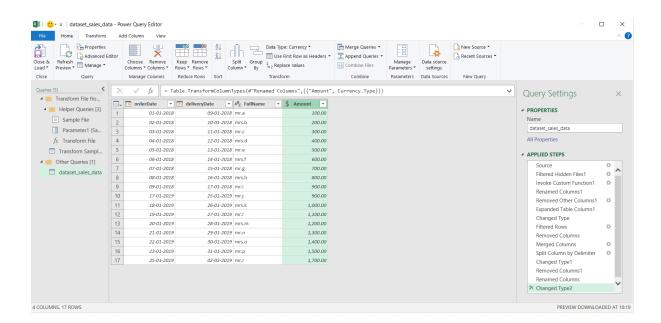
Elements:

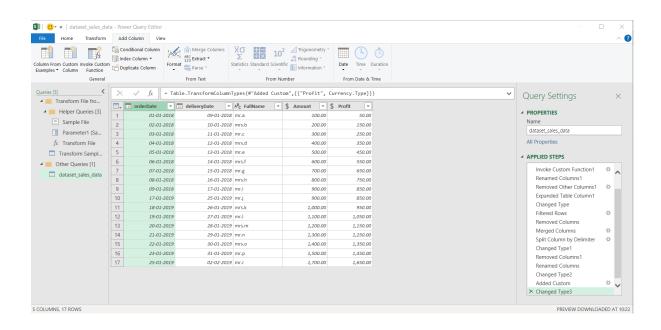
Main ribbon - create queries from scratch

Queries - To keep track of all connections to data sources and streams

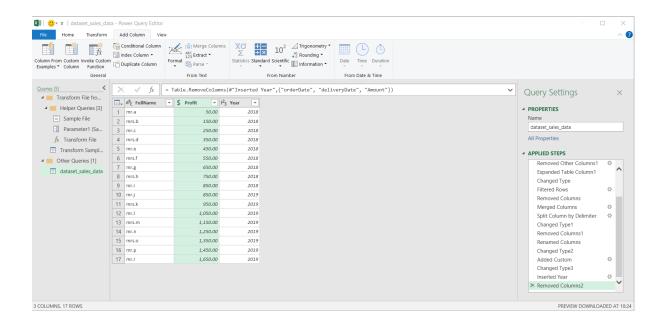
Data Table - preview To visualize your data result

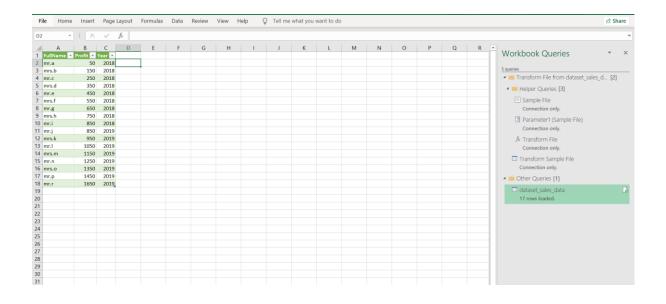


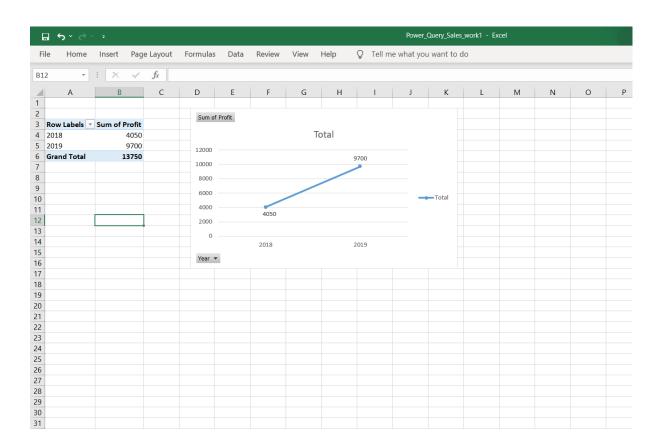


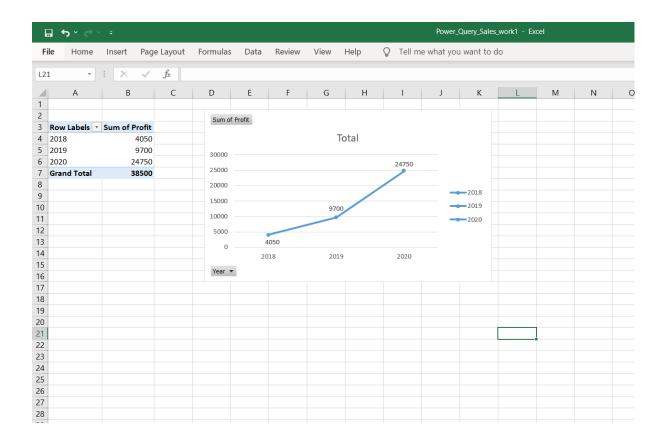


Profit Based on Year









Time Management. It is important to Automate some tasks

Steps that I took

Open Power Query For Excel >2016 For Excel 2010 & 2013

Load File Choose option from Ribbon, based on the File format

Transform/Edit Data Click Edit, to do transformation in data using Power query Editor

Once Finished Transformation, click Home > Close & Load

Remove Rows Based on Number Remove empty rows

Remove Columns Empty Columns

Split Columns
Based on Delimiter
Based on Character count

Renaming Header

Unpivot Columns

Filter

Combine New source from folder all sheet name should be same

Replace

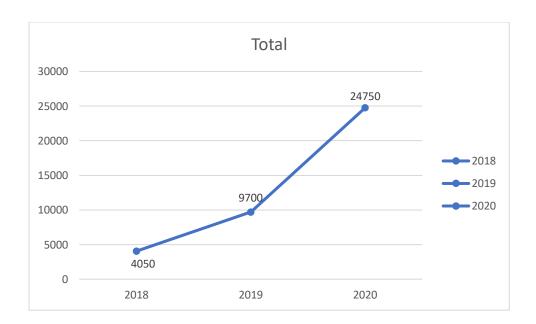
Merge Queries Forget about VLOOKUP

Create Columns Concatenate Right click 2 Columns and merge

Change Type

When You give new year report, and refresh, the result will be,

	Sum of	
Row Labels	Profit	
2018	4050	
2019	9700	
2020	24750	
Grand Total	38500	



FullName	Profit	Year
mr.a	50	2018
mrs.b	150	2018
mr.c	250	2018
mrs.d	350	2018
mr.e	450	2018
mrs.f	550	2018
mr.g	650	2018
mrs.h	750	2018
mr.i	850	2018
mr.j	850	2019
mrs.k	950	2019
mr.l	1050	2019
mrs.m	1150	2019
mr.n	1250	2019
mrs.o	1350	2019
mr.p	1450	2019
mr.r	1650	2019
mr.s	1950	2020
mrs.t	2150	2020
mr.u	2350	2020
mrs.s	2550	2020
mr.t	2750	2020
mrs.u	2950	2020
mr.s	3150	2020
mrs.t	3350	2020
mr.u	3550	2020

Hence You can Automate like this.