. PBI is a Busines Intelligence tool

. Connorts new data into doshboards

· Monagement can track kP15 (sales, profits)

(i) compare regional performance

(ii) Analyze product level trunds

(iii) I dentify high value customers

· (onnect naw data

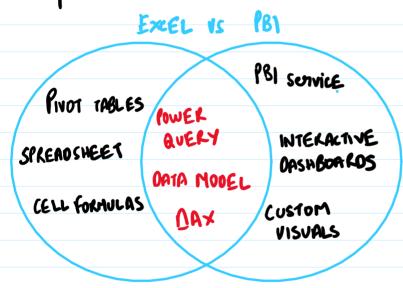
. Irani John - Power Query

· Buld data model

. brote calculated columns - DAX

· Design dash board

M code X
R/Python viruals X
Advanced DAX X



Download ->

PBI Desktop - Eree PBI Lenvuce - PRO

Microsoft Stone

Website

Automatic updates

PBI settings

file > options & settings > Options:

(i) (nobal > Premen Features > Select all

(ii) Current file > Data load - NOT SELECTED.

a) Update delete relationships when refreshing data

(ii) Current lile > Date	a load - NOT SELECTED.
	lete relationships when refreshing data
b) Awto detect	new relationships
c) Time Intell	ligence > duto date Time
Note: Options under Current	file need to be adjusted for energ new PBI workbook.
	o p o
Coura dury Editor	Model view Data view Report wews
1	
Backend	Front end (ETL)
Power BI is updated monthly, so you may notice ongoing cha Reference the links below to stay up-to-date on product upd	
Power BI Desktop https://docs.microsoft.com/en-us/power-bi/fundamentals/c Power BI Service	desktop-latest-update
https://docs.microsoft.com/en-us/power-bi/fundamentals/s Power Platform	<u>service-whats-new</u>
https://learn.microsoft.com/en-us/dynamics365/release-pla	<u>ins/</u>
bomer greth	
Raw data is extracted, triansfe	ormed & loaded to Event and CETL)
Home > Get data > Multiple i	onnectors
- Power Query Editor	
Home Tab:	3
Manage columns < Keep (Choosefkap column is useful when sown data has variable number of columns each time we impose the data.
ν γ. Μ αα Ω	has variable number of columns each time
Manual Rows < range	has variable number of columns each time we import the data. Our remove specific number of rows (Sub-Totals, headers, foolers can be removed) Ourplicates can be removed
1	Can sumble specific number of hows
	(Sub-Totals, headers, protess can be removed)
	· Duplicates can be removed
,	
Adding New data from au	ry Editor
Home > New Source (X)	Parte Table name of all new Tables, runame all new steps in Applied step Peromoded headers, Changed data type (Duromatic)
Applied Steps: Source,	Promoted headers, Changed data type (Duromatic)
change data types if required	
Remove columns not require	d
Close Lapply - Load	h to front end
" (•
Extract data from a colur	nn :
Transform > Extract > Te	at before delimiter = Replace dold in oristing column
Add whom > Extrad > 7	· · · · · · · · · · · · · · · · · · ·
(can skip delimitor in	the table with the entracted data

STREET IN THE PROPERTY OF THE ITUR WUMMIN > - NOW > 100 JUJUL WELMOUNT the table with the entracted data (can skip delimiters in advanced options) Replace Zero's wath NA Teransform > Replace values Types of connection/ storage modes: 9mport - Data is imported within PBI Quest Dury. Data is connected to the source Composite - Import + Bried Query (Each table is either Imported or connected) Luce connection -(Difference between Direct Dury & dine connection) Connecting to a Patabase - SAL, MS Accus, My sal, Oracle, SAP & a lot more (If you understand how to connect to one database, you can connect to any) ie onter the server details & credentials -96 you have some data/Table which you do not want to load to Data Model, under hurrie, night like on the Table & unselect ENABLE LOAD (scrape data from web) Extract data from web

Proter VRL Table wew

und niew - DATA PROFILING (Gritially column propling is based on first 1000 roos, we need to change that

1) View > column quality to column profiling based on ontire dataset) 1) View > Column quality to column propling based on Shows %, of values within a column that over VALID, ERROR, EMPTY. · Honer over column quality to see no. of records in each category · Right With for options Monu: o) keep evers - their evers before removing them b) Remove evers, blanks, duplicates etc. 2) 1, eu > Column distribution Number of unique & distinct sucords in each column hight dick rumone duplicates, everos & empty values 3) View > blum profiling · Column Statistics = Count, Distinct count, unique, Min, Mar · Value distributions = Sample distribution of the dota

TRANSFORM	
TEXT TOOLS < ADD WLUMNS	. 5
Note: Ribbon changes with the type of column we have relected Coynamic Rib Pifference between TRANSFORM & ADD LOLUMN Overwrite existing ADD a new Continue tolumn	obem)
(x) Bifferince between TRANSFORM & ADD COLUMN	
Overwide butting A00 a new	
Lolumn Lolumn	
Eg. Capitalize each word, Irim, Clean, Split columns Morge columns, Tert before/after delimiter	
Morge Columns, Test Sefore/after delimiter	
Numerical Tools: < Transform (3) Postund count, Avg., STD	
Date & line tools Transform	
Date l'Inne tools: Add whem (Stract Year, month, start of month / End of (Greate Calendar)	month)
What is date type is in DMY, but we agre in US [DMY]	
1) Convert data to Test bosmat	
What is date type is in DMY, but we agre in US [OMY] 1) Convert data to Test format 2) Data type > Using Locale > UK	
Rolling calendar M code - see again	