LEARNING POWER BI PART III

RELATIONSHIPS

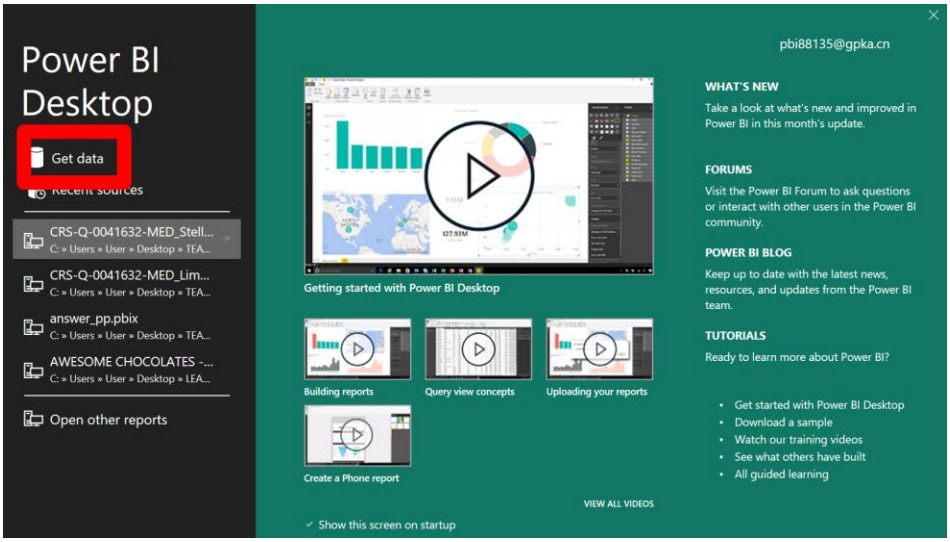
DR. ALVIN ANG

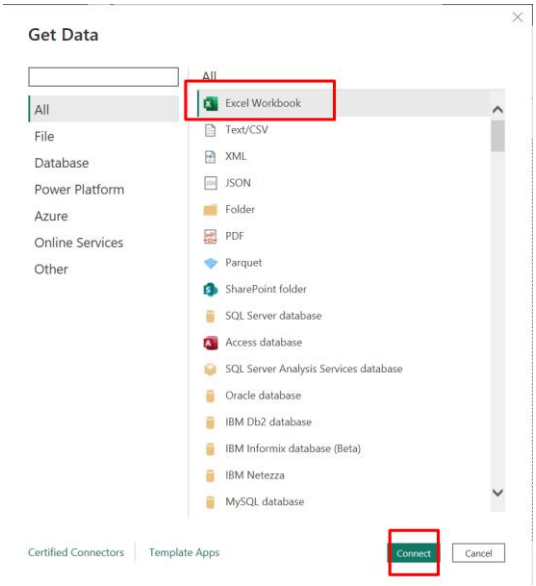
CONTENTS

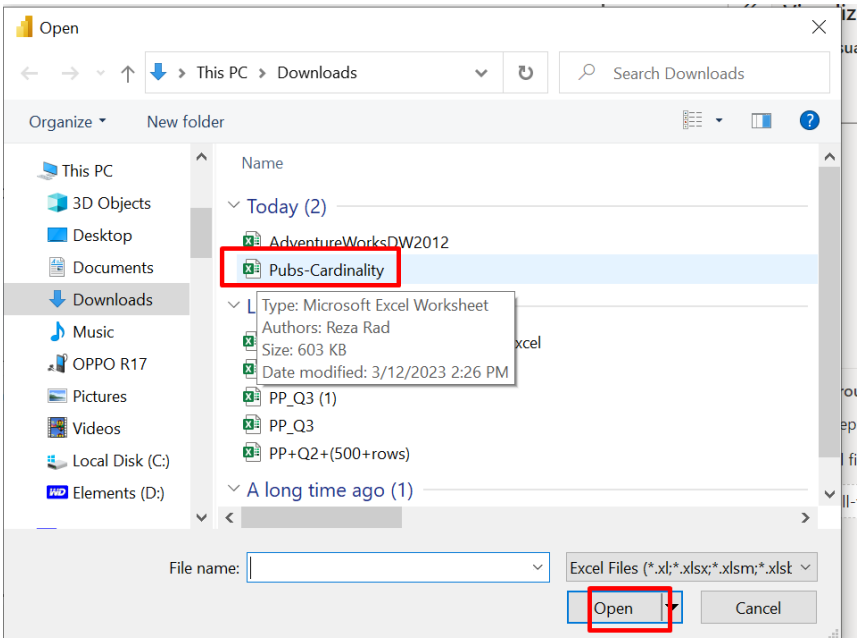
I. RELATIONSHIP = FILTER

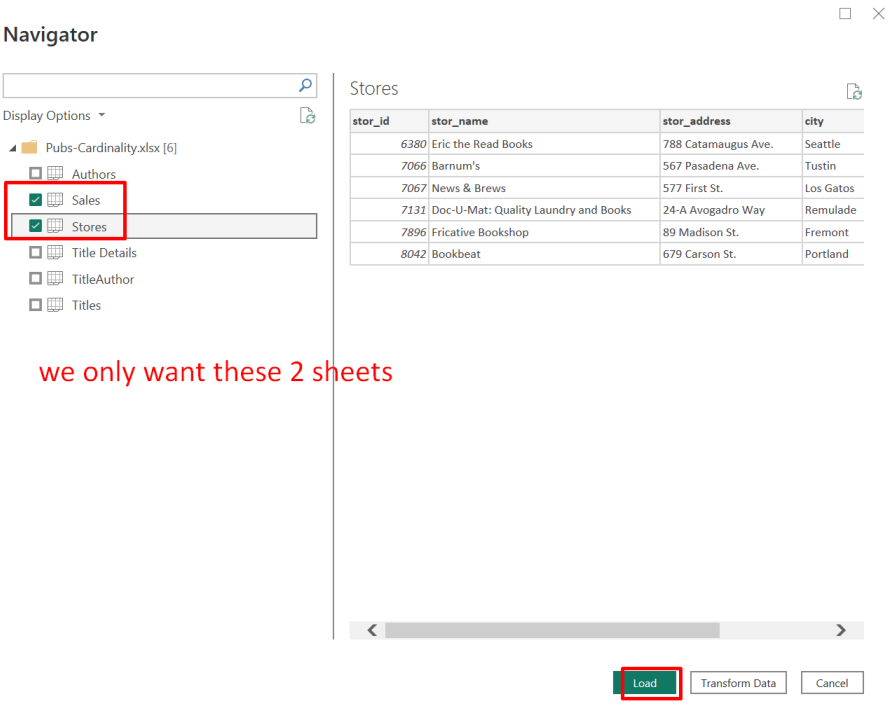
https://www.alvinang.sg/s/Pubs-Cardinality.xlsx

A. GET DATA

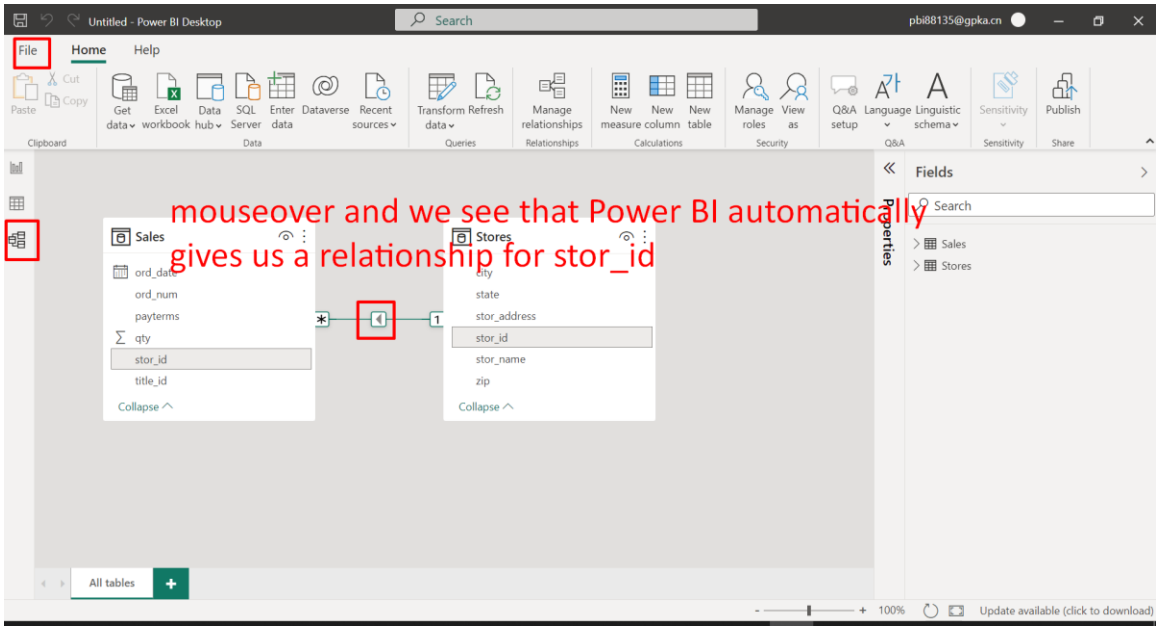


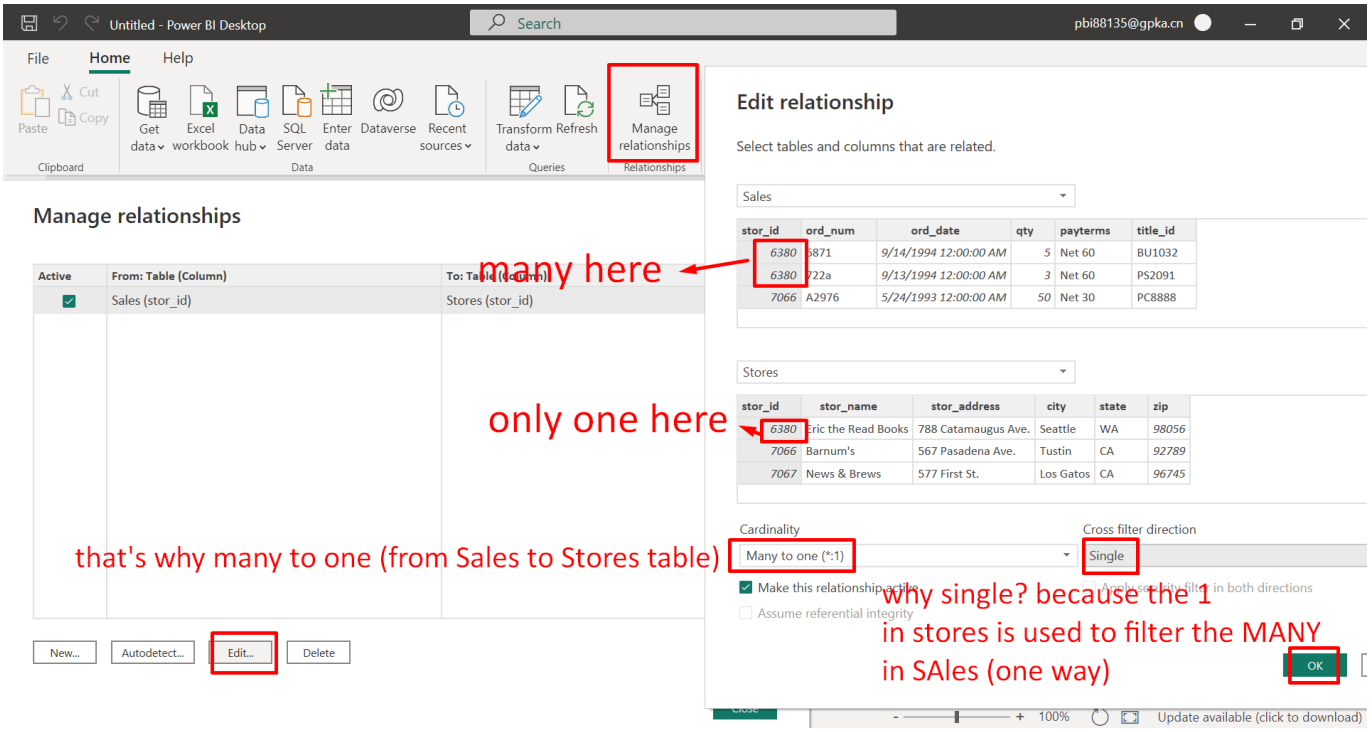


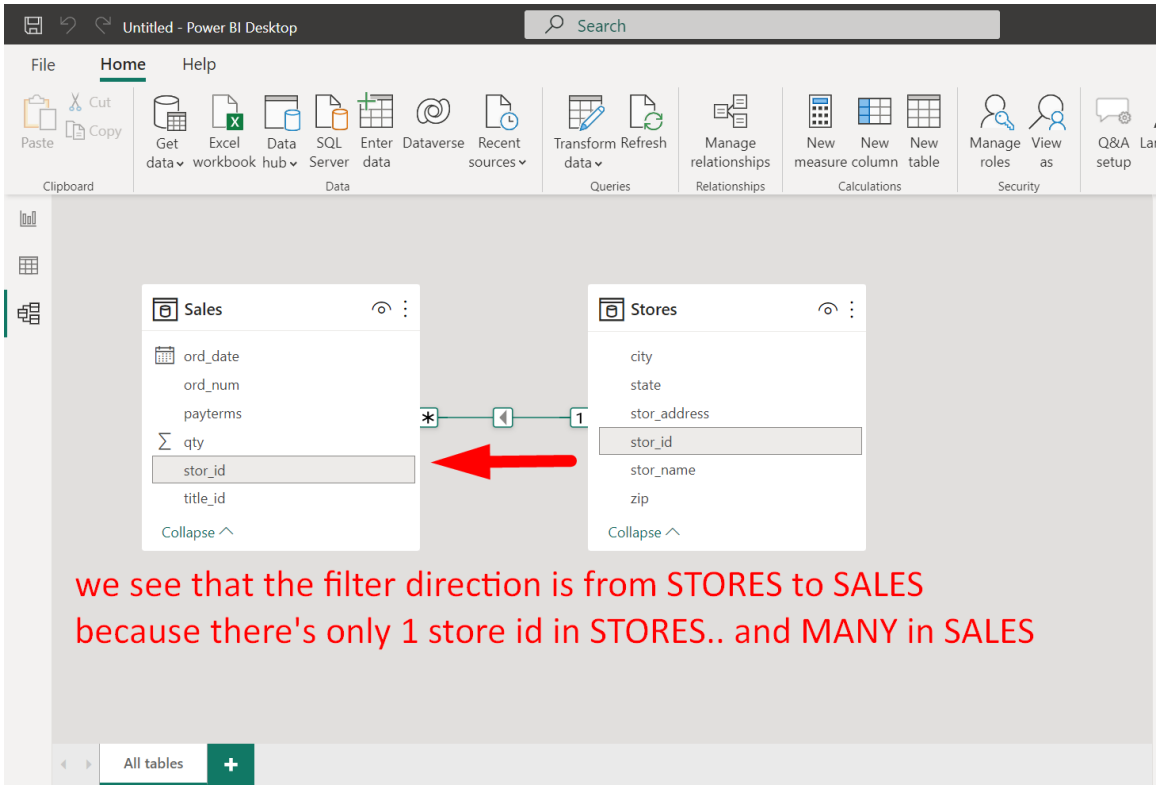




we only want these 2 sheets







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6380	Eric the Read Books	788 Catamaugus Ave.	Seattle	WA	98056
7066	Barnum's	567 Pasadena Ave.	Tustin	CA	92789
7067	News & Brews	577 First St.	Los Gatos	CA	96745
7131	Doc-U-Mat: Quality Laundry and Books	24-A Avogadro Way	Remulade	WA	98014
7896	Fricative Bookshop	89 Madison St.	Fremont	CA	90019
8042	Bookbeat	679 Carson St.	Portland	OR	89076

STORE

SALES

stor_id	ord_num	ord_date	qty	payterms	title_id
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7066	QA7442.3	13/09/1994 12:00:00 AM	75	ON invoice	PS2091
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7131	P3087a	29/05/1993 12:00:00 AM	25	Net 60	PS2106
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7896	X999	21/02/1993 12:00:00 AM	35	ON invoice	BU2075
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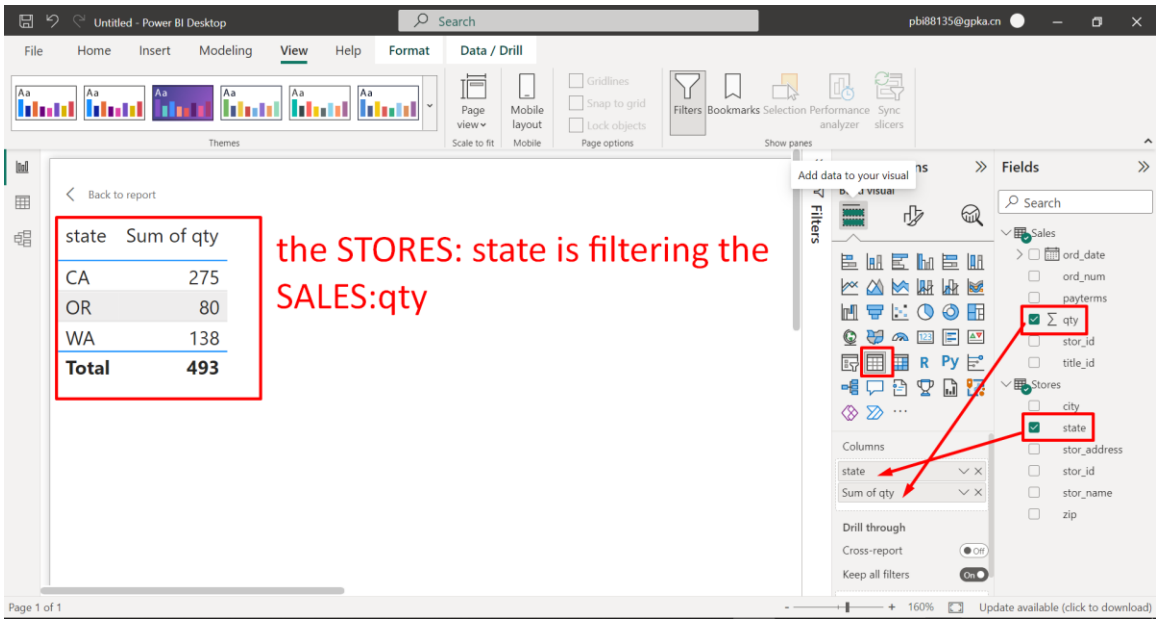
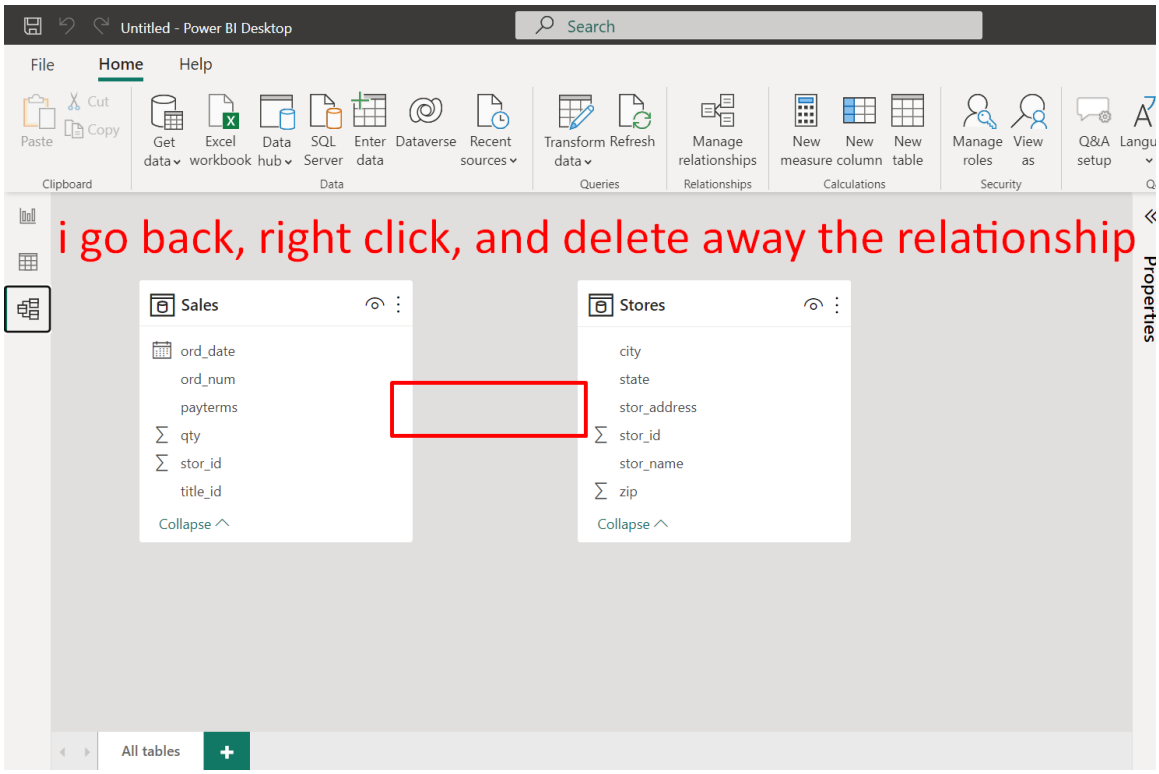
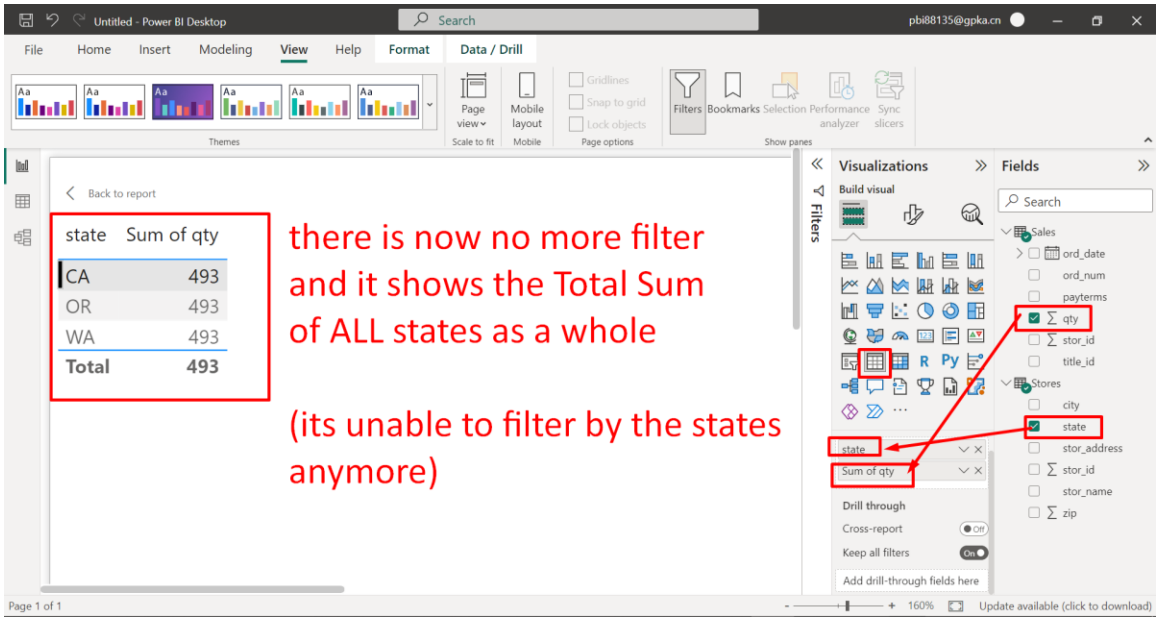
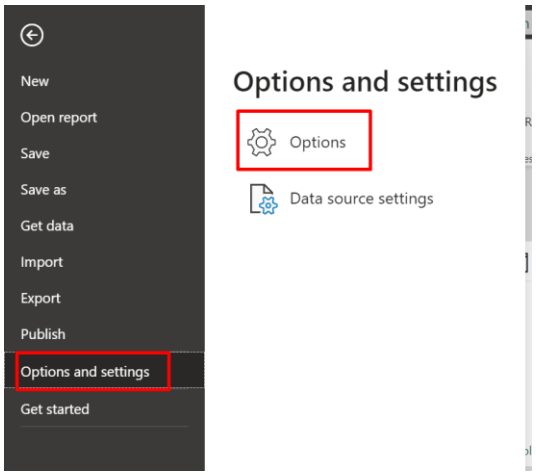


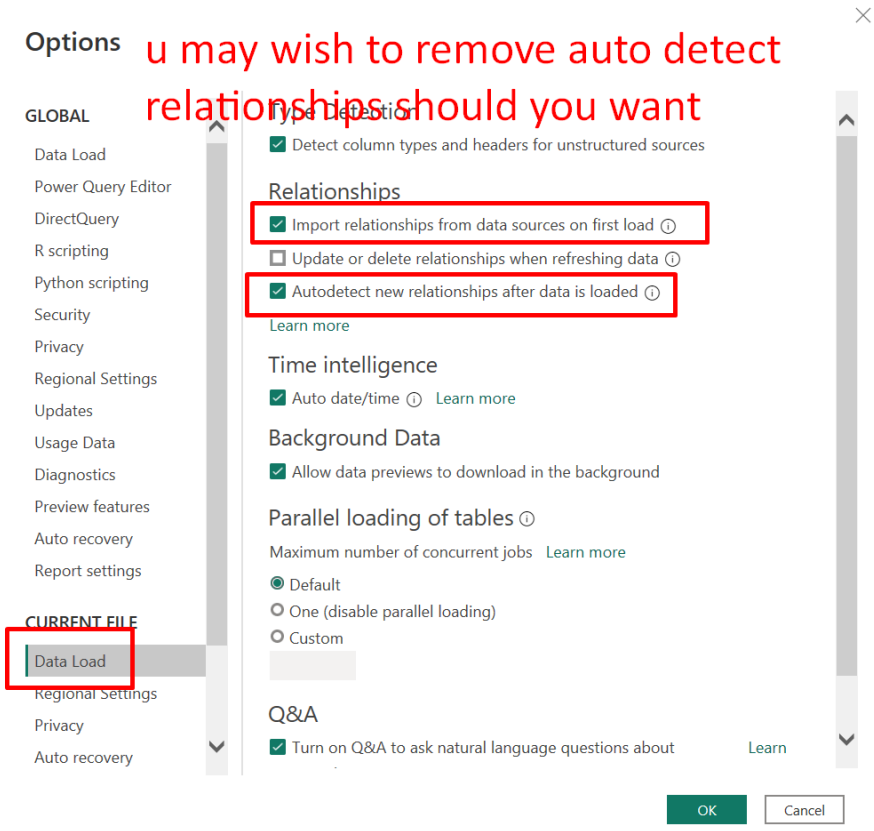
B. WHAT IF I REMOVE THE RELATIONSHIP AWAY?





C. HOW TO SWITCH OFF AUTOMATIC RELATIONSHIPS

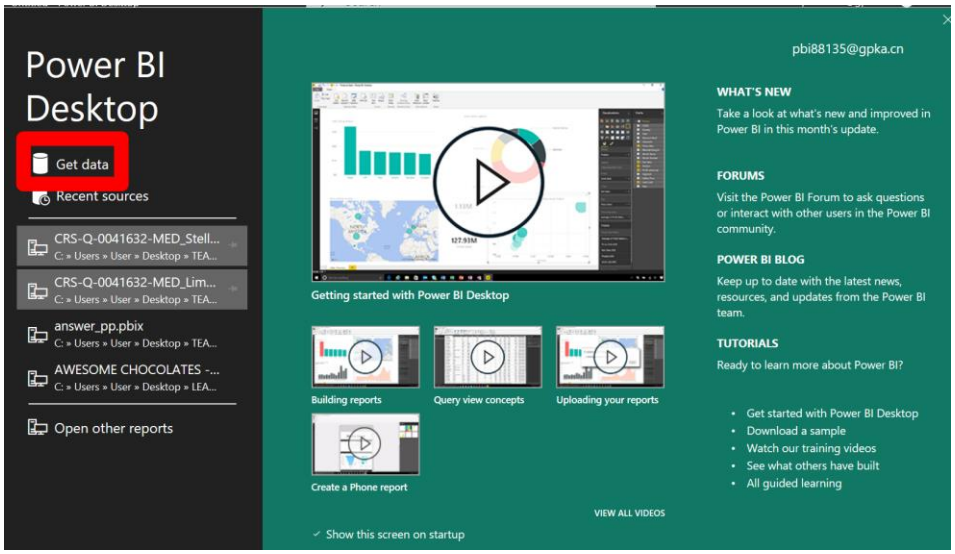


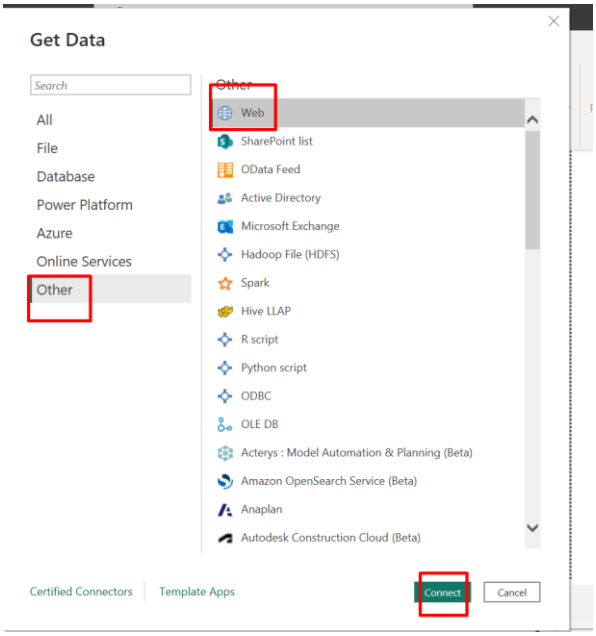


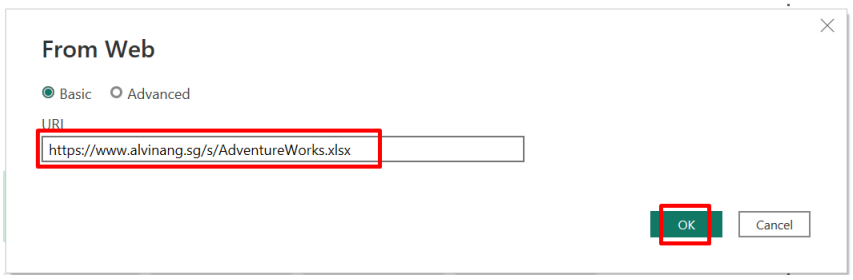
II. MEANING OF FACT TABLE VS DIMENSION TABLE

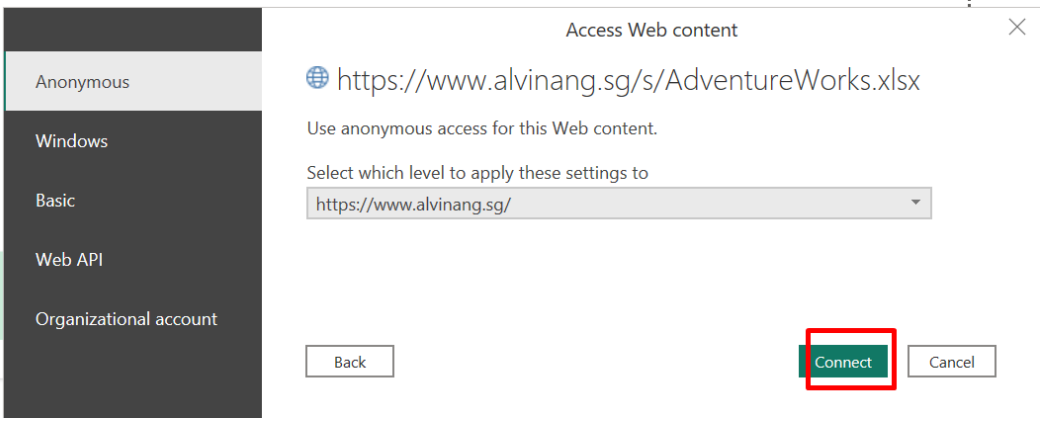
https://www.alvinang.sg/s/AdventureWorks.xlsx

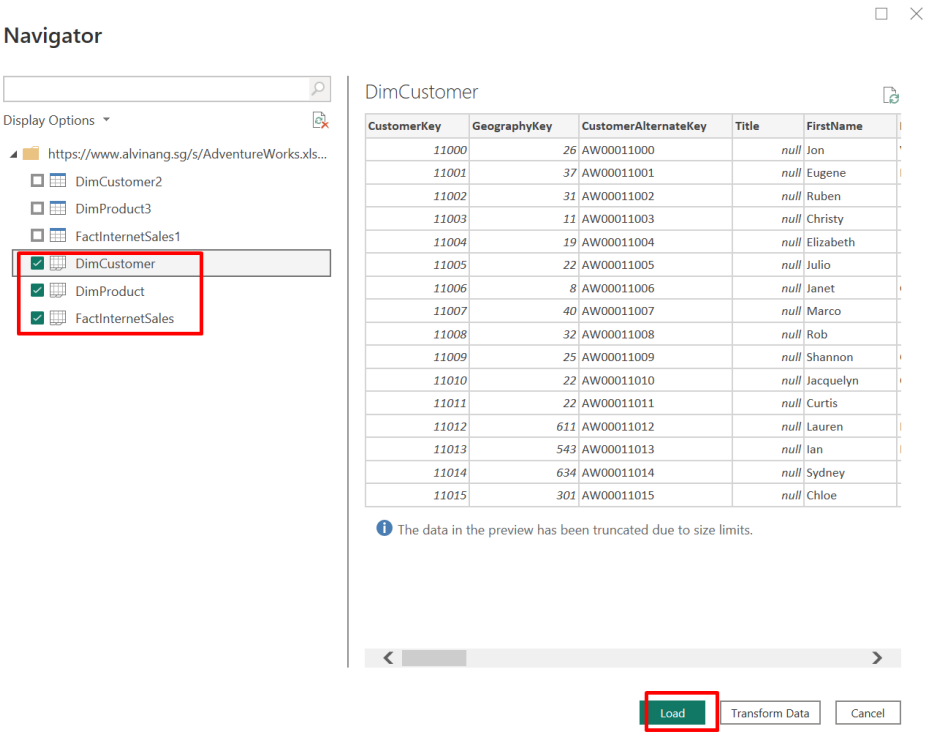
A. GET DATA



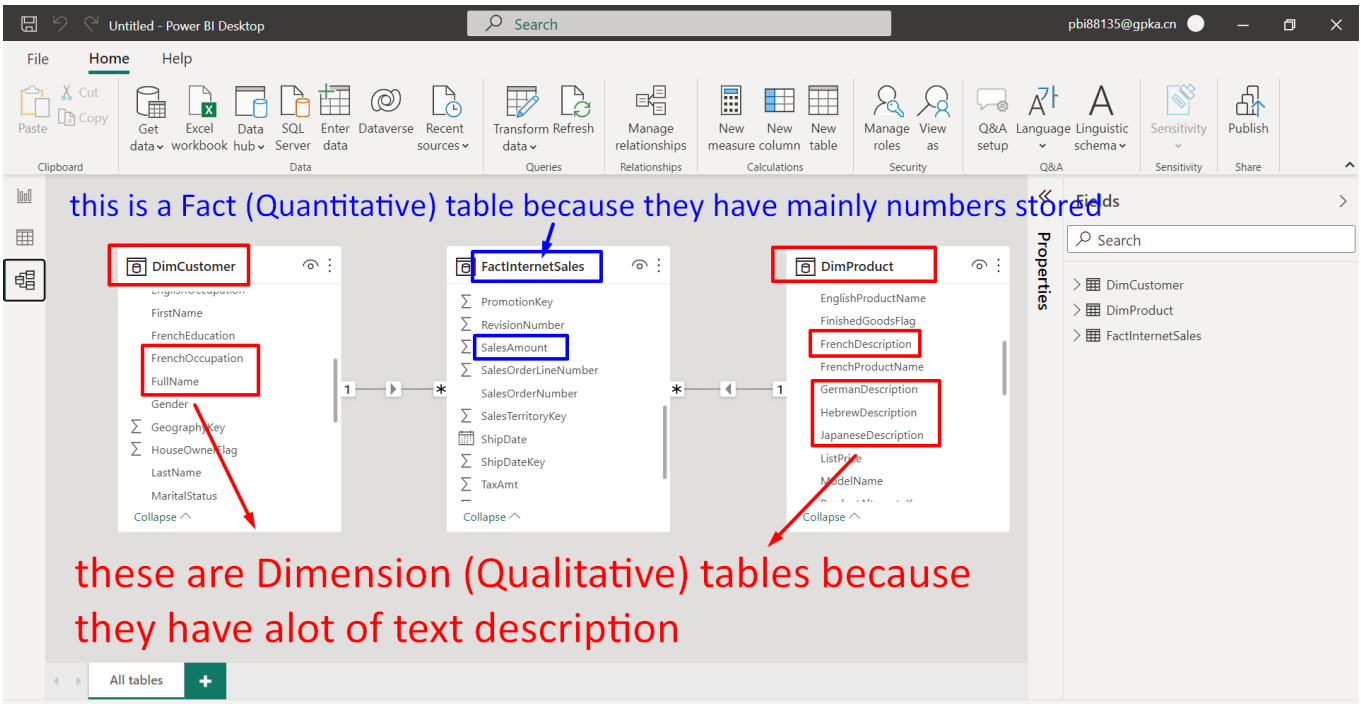








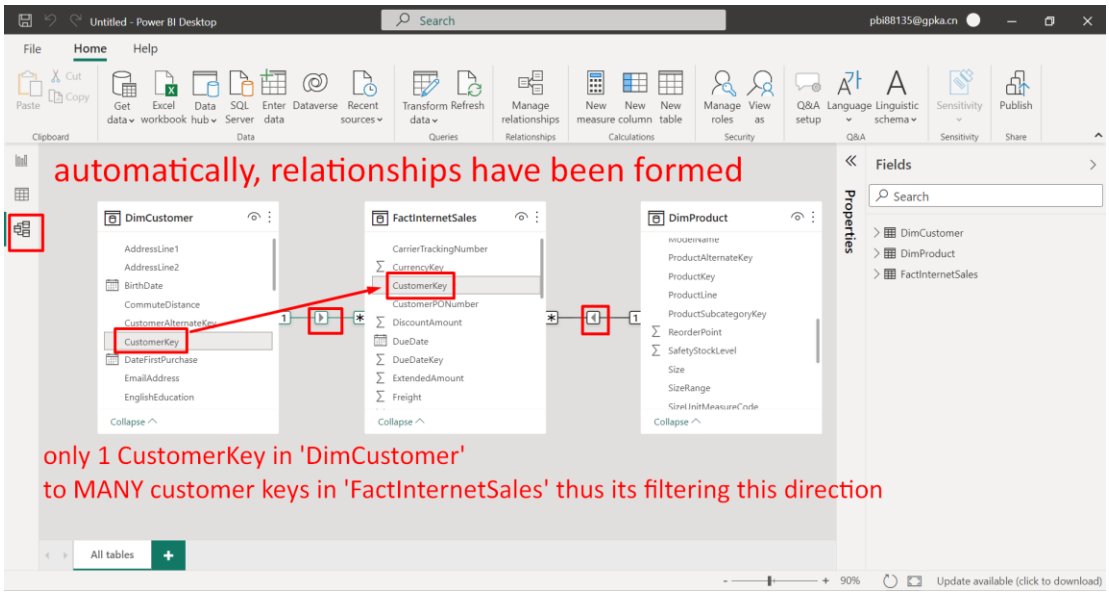
B. DIFFERENCE BETWEEN FACT VS DIMENSION TABLES

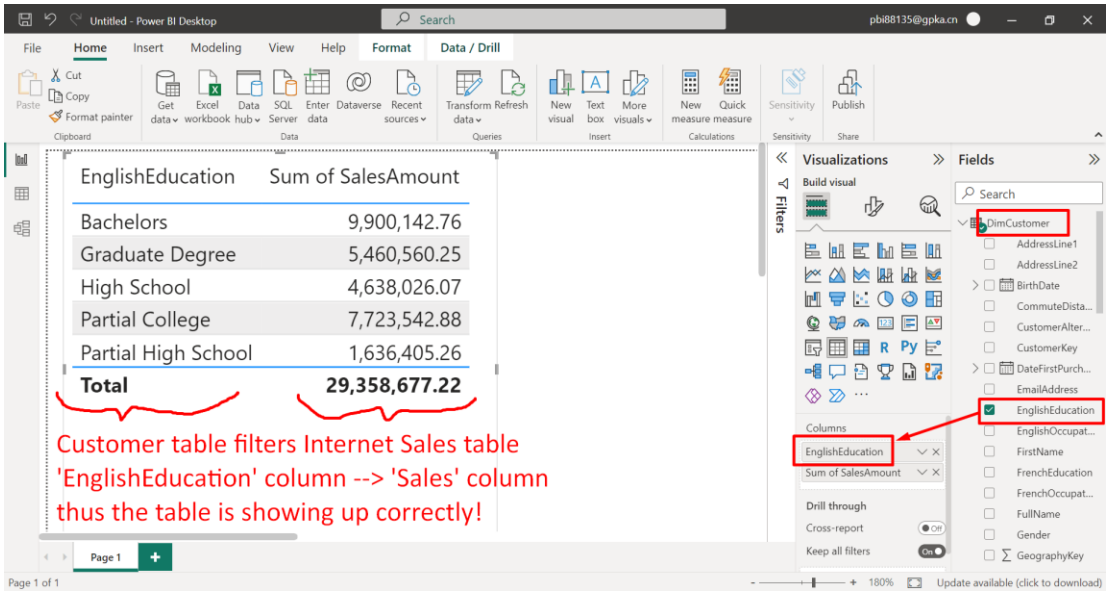


https://www.alvinang.sg/s/AdventureWorks.xlsx

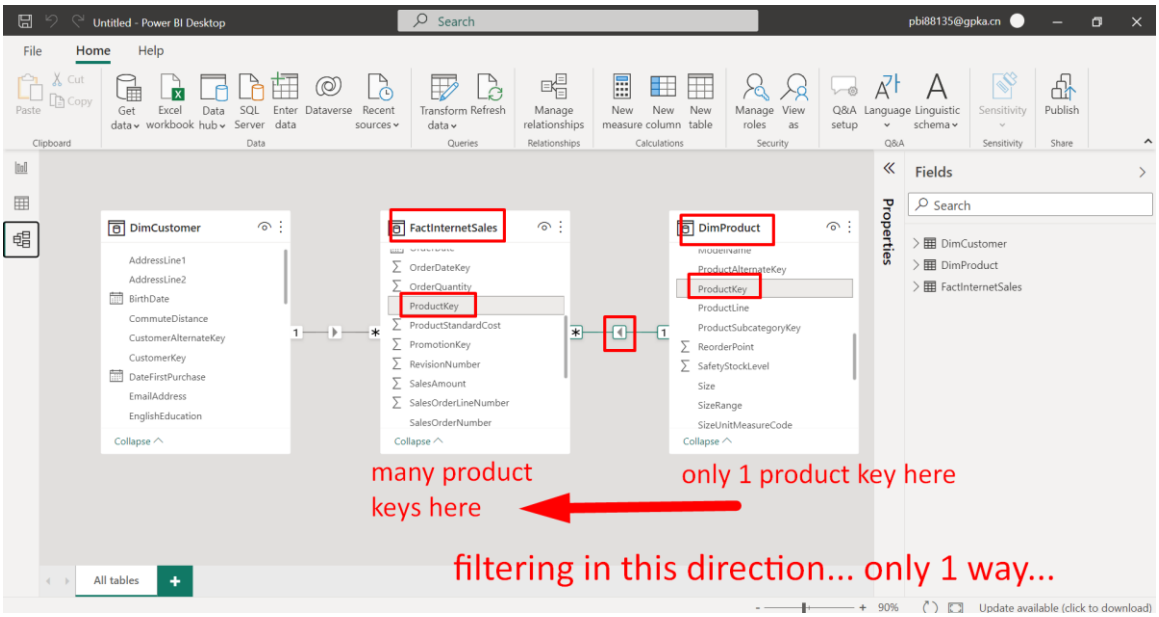
we continue off from previous section…

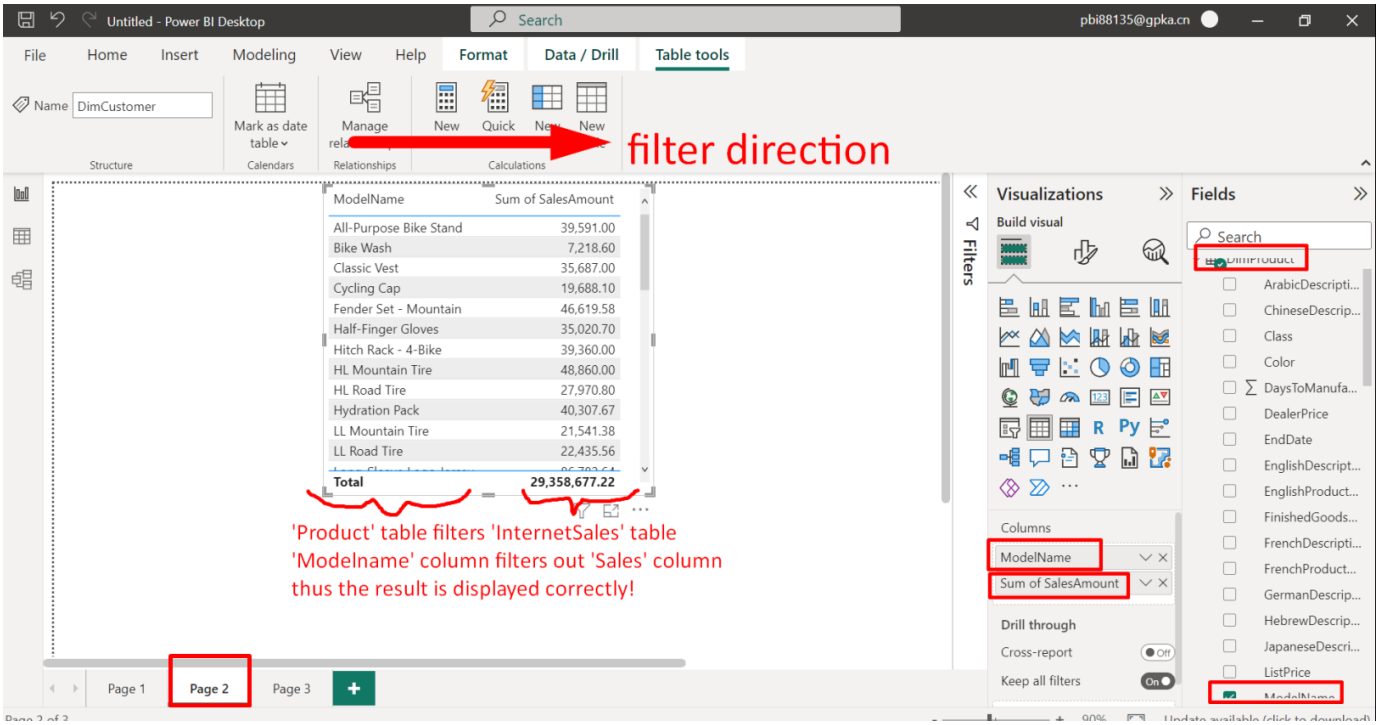
A. ONE TO MANY: SINGLE DIRECTION



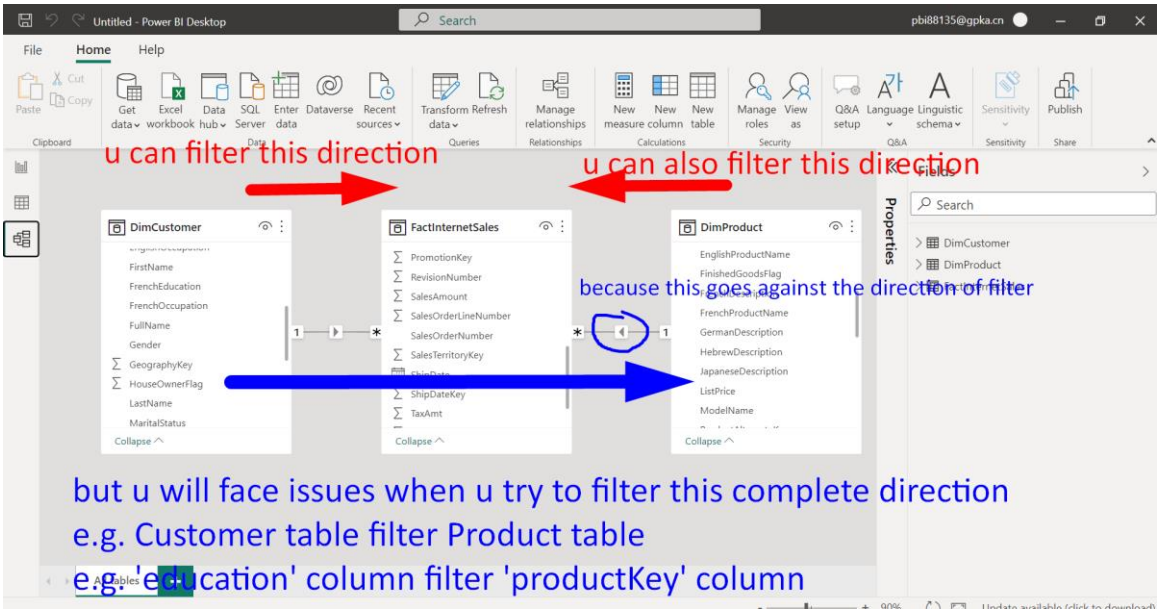


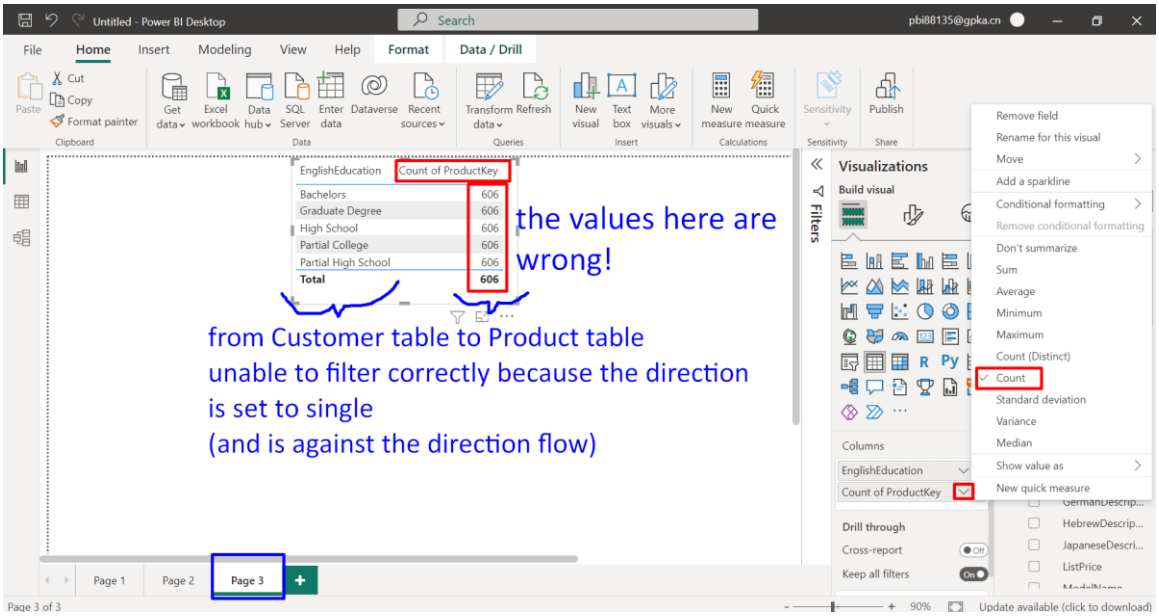
B. ONE TO MANY: SINGLE DIRECTION

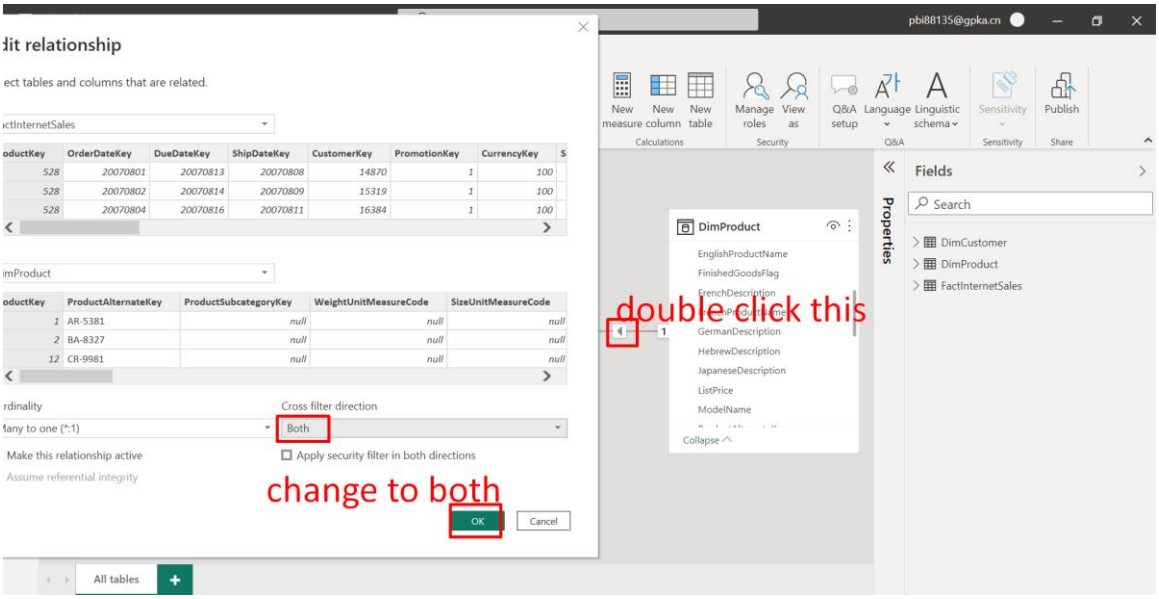


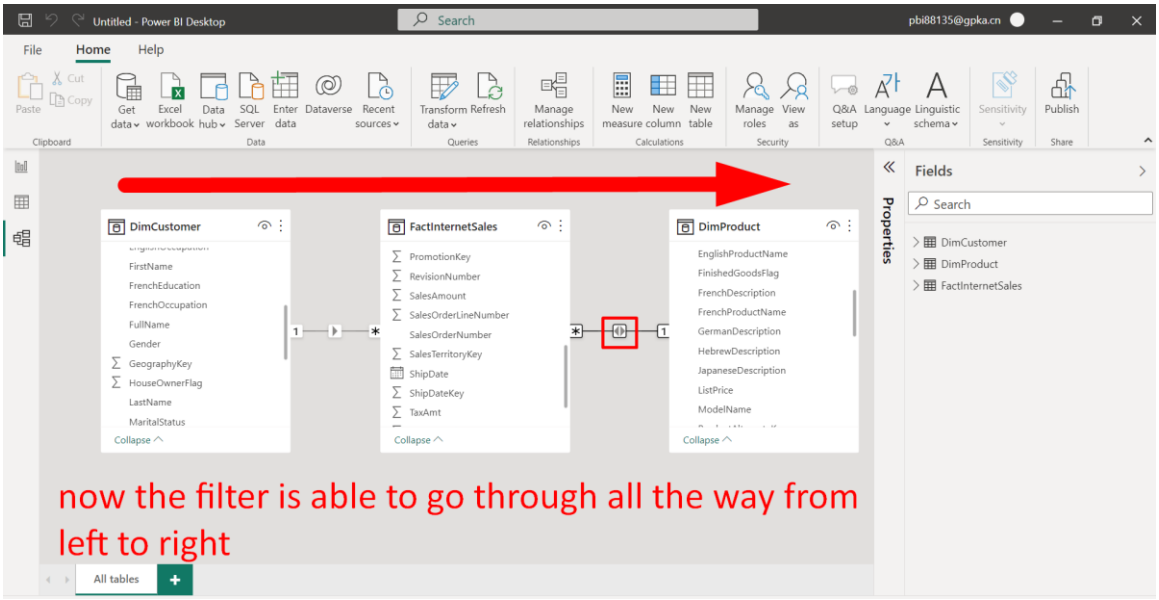


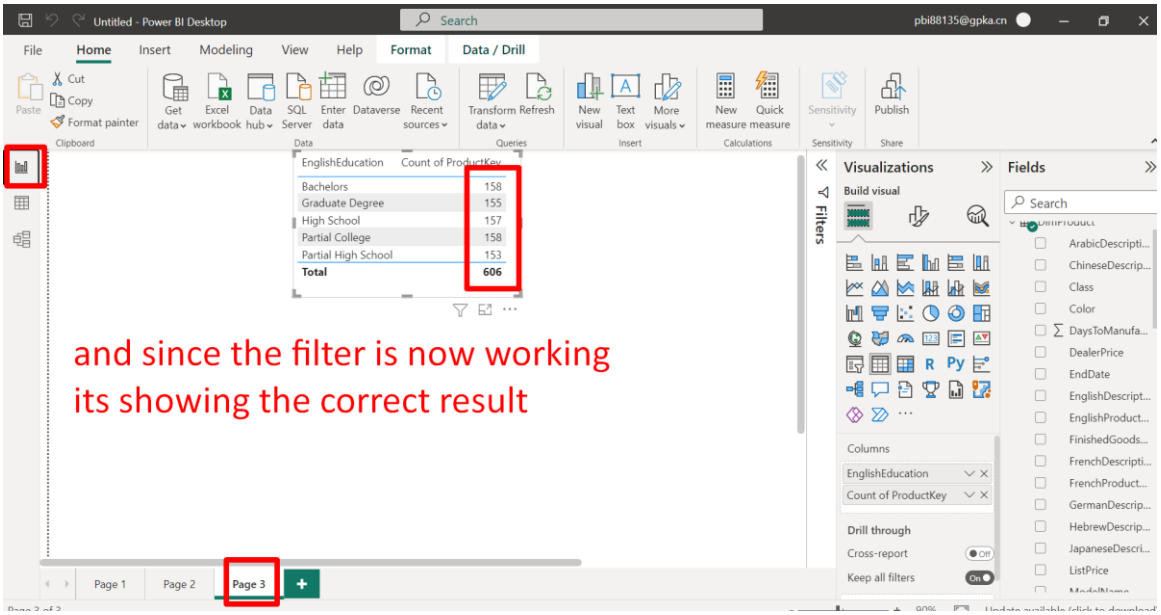
C. ONE TO MANY: BOTH DIRECTIONS

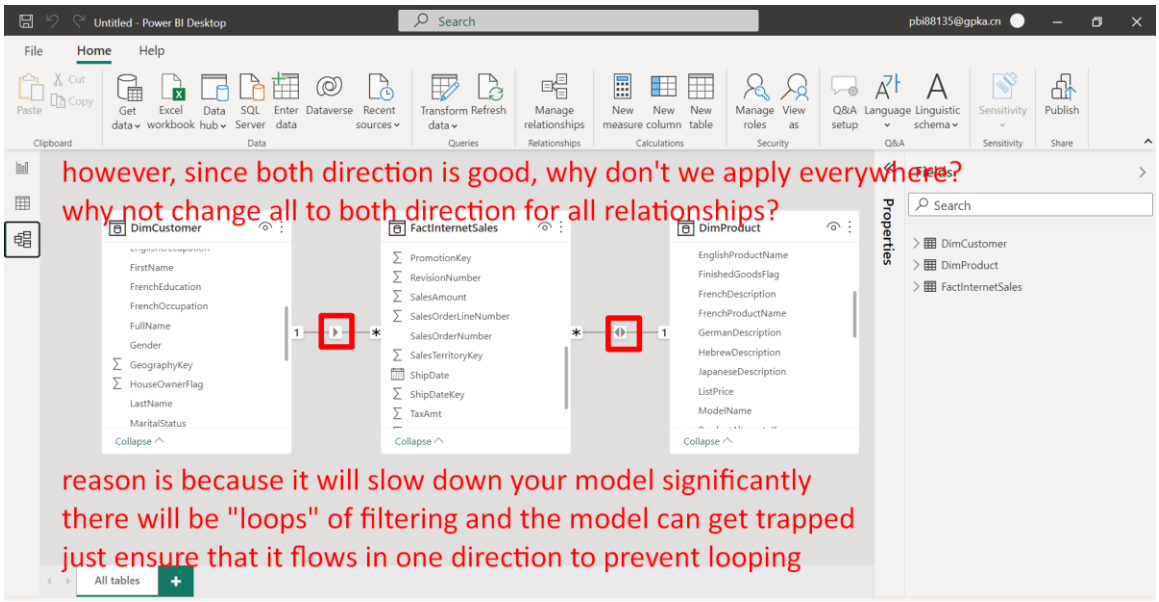




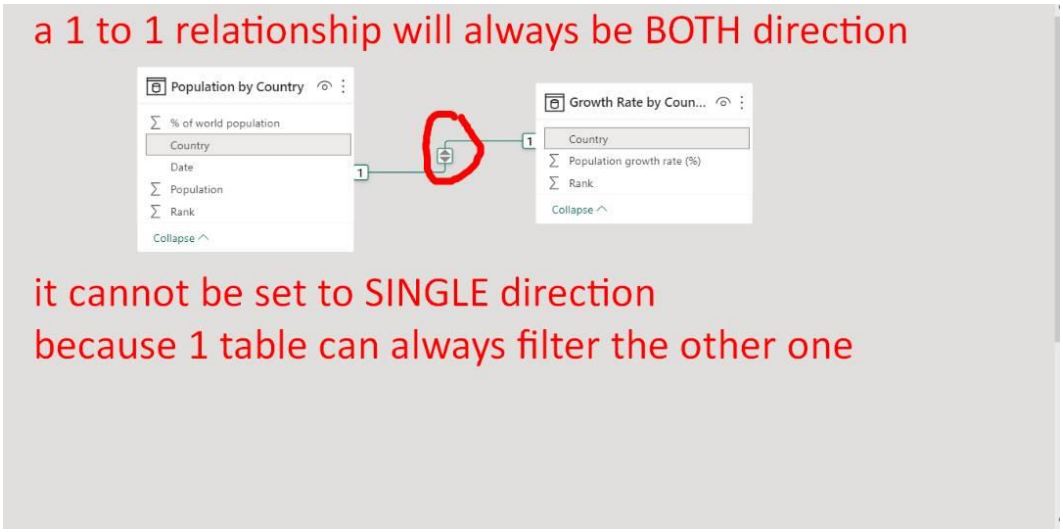


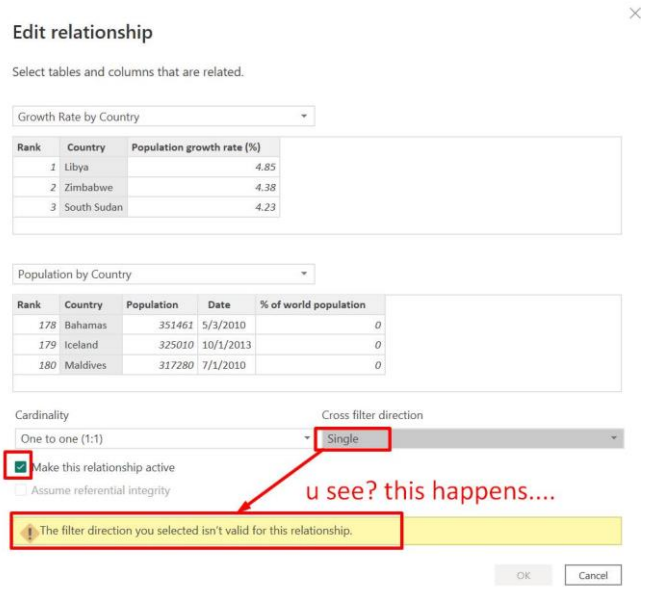






- Never use Many to Many relationships because is too complicated.
- Always use only 1 to 1 or 1 to Many.
- If its 1 to 1 relationship, its advisable to connect them using Inner Join / Union, meaning, combine both tables into 1.





- A 1 to Many relationship can have either SINGLE or BOTH direction.
- But by default, it will be set to SINGLE and it will always be the 1 filtering the Many.

Dr. Alvin Ang earned his Ph.D., Masters and Bachelor degrees from NTU, Singapore. He is a scientist, entrepreneur, as well as a personal/business advisor. More about him at www.AlvinAng.sg.