Query Editor Introduction

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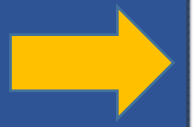
Microsoft Power BI

Join two data source

Budget

	CountryRegion	Brand	Budget
1	China	A. Datum	5000
2	China	Adventure Works	36500
3	China	Contoso	94500
4	China	Fabrikam	90800
5	China	Litware	65000
6	China	Northwind Traders	12000
7	China	Proseware	20000
8	China	Southridge Video	22500
9	China	Tailspin Toys	8000
10	China	The Phone Company	30000
11	China	Wide World Importers	45000
12	Germany	A. Datum	13500

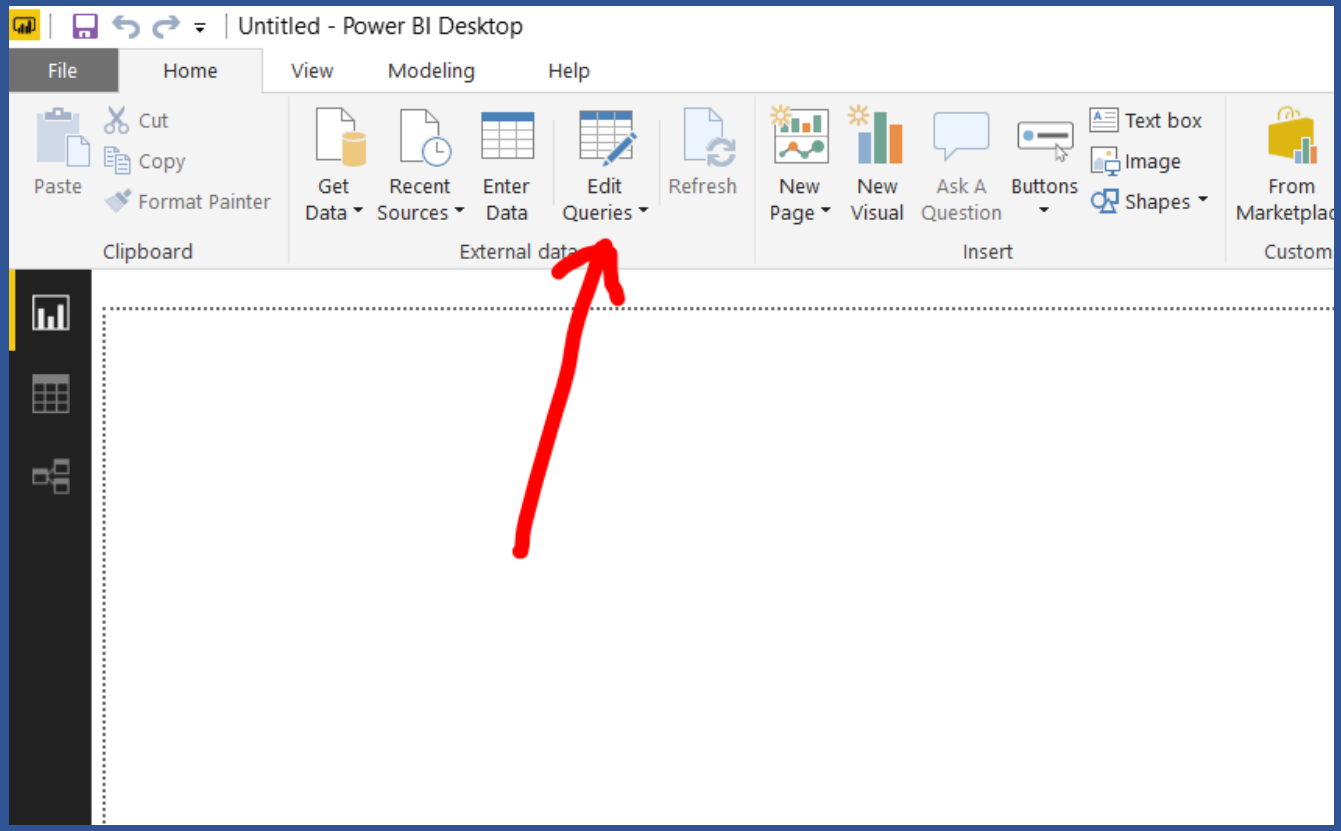


Sales 2015

	CountryRegion	Brand	Month	Sale 2013	Sale 2014	Sale 2015
1	China	A. Datum	January	3234	NULL	1935
2	China	A. Datum	February	6270	7059	NULL
3	China	A. Datum	March	4352	NULL	NULL
4	China	A. Datum	April	3814	NULL	NULL
5	China	A. Datum	May	6234	NULL	NULL
6	China	A. Datum	June	5571	3216	NULL
7	China	A. Datum	July	7424	NULL	NULL
8	China	A. Datum	August	NULL	NULL	800
9	China	A. Datum	September	1254	1617	396
10	China	A. Datum	October	1881	3042	936
11	China	A. Datum	November	NULL	3653	NULL
12	China	A. Datum	December	6135	2810	NULL
13	China	Adventure Works	January	12418.26	5735.48	1559.87

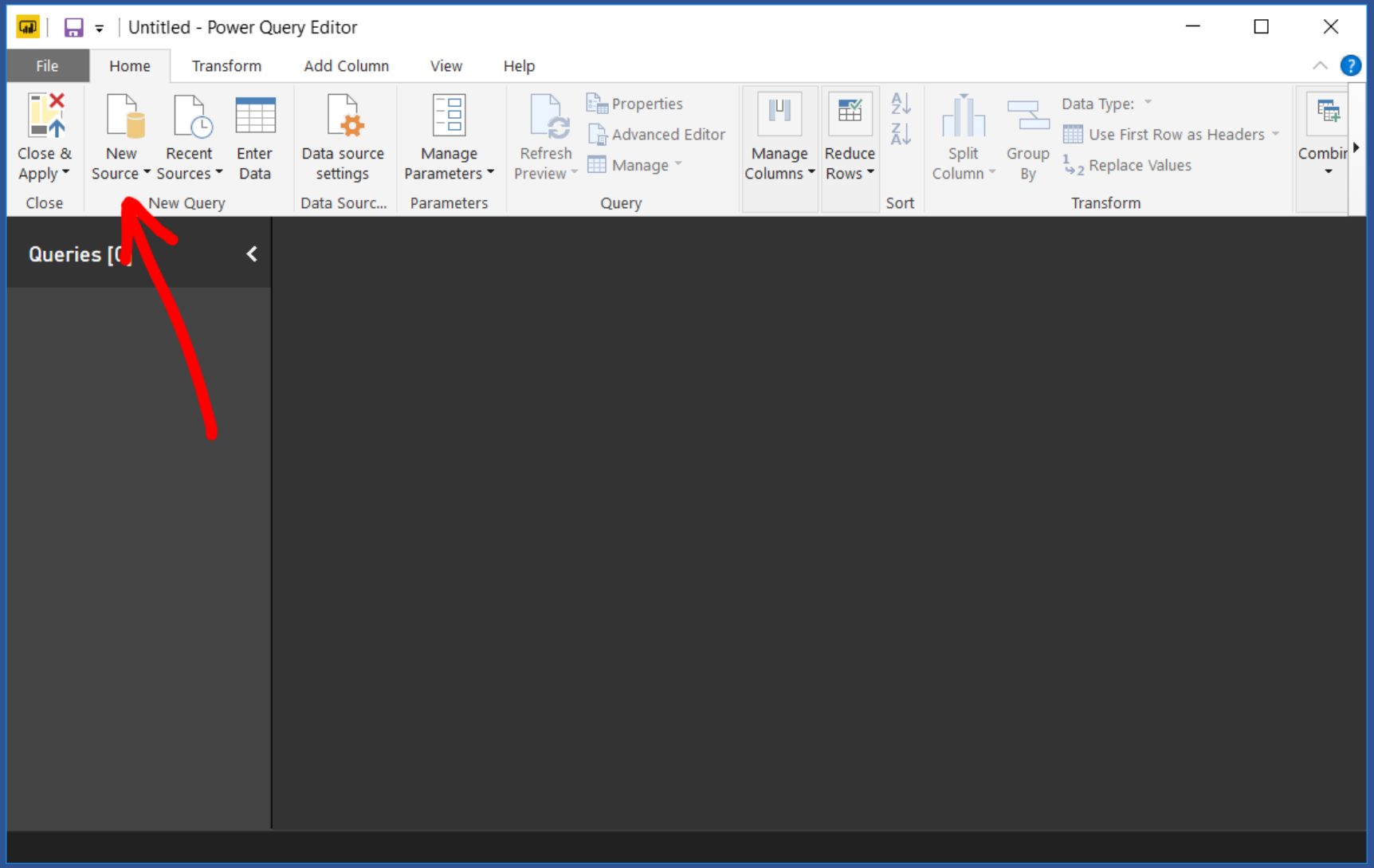
Microsoft Power BI

File / New / Edit Queries



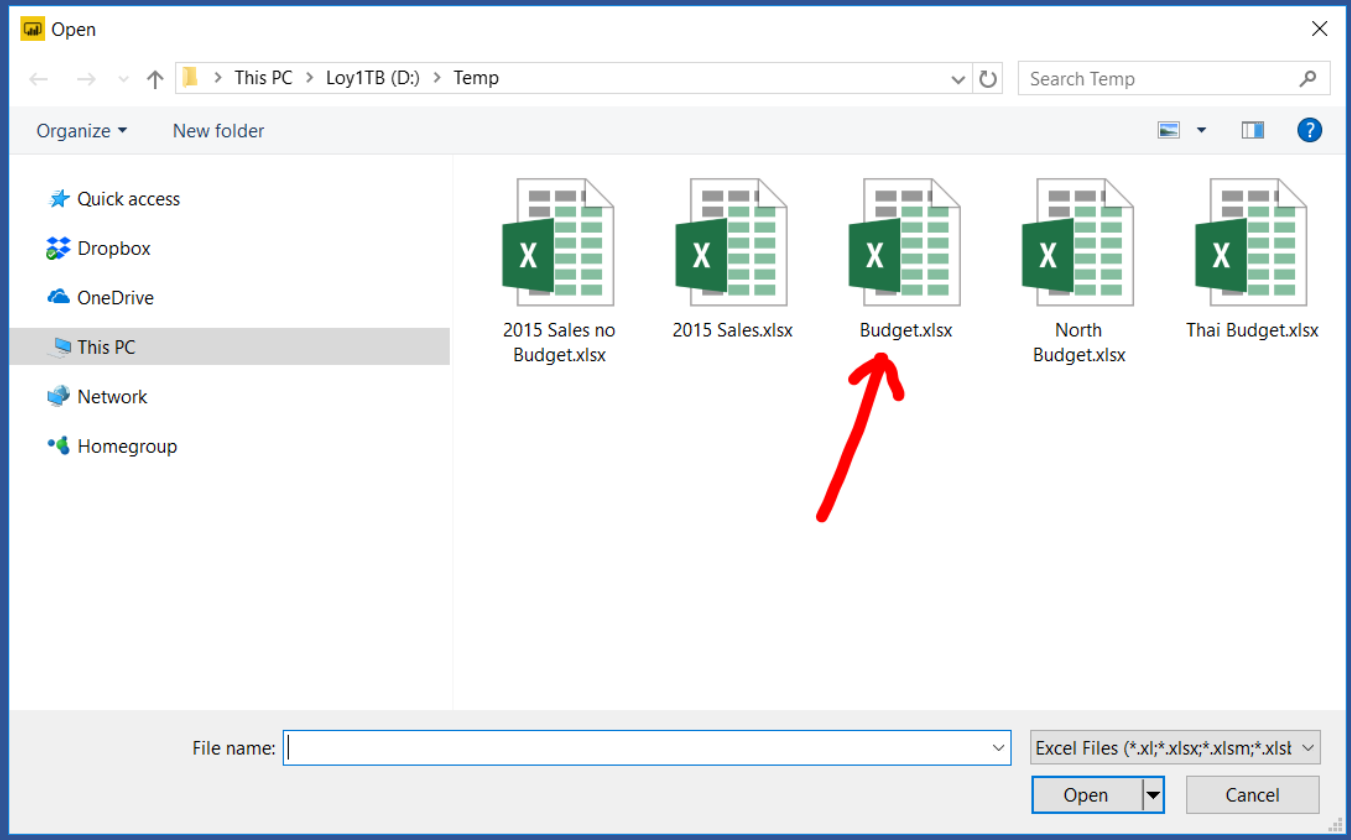
Microsoft Power BI

Query Editor / New Source



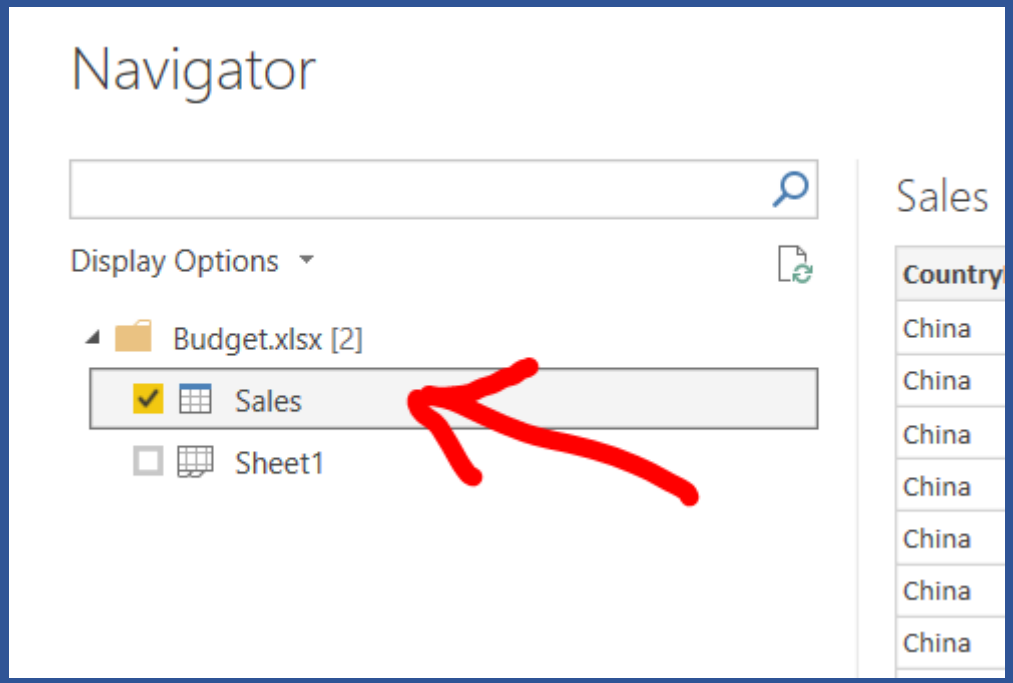
Microsoft Power BI

Budget.xlsx



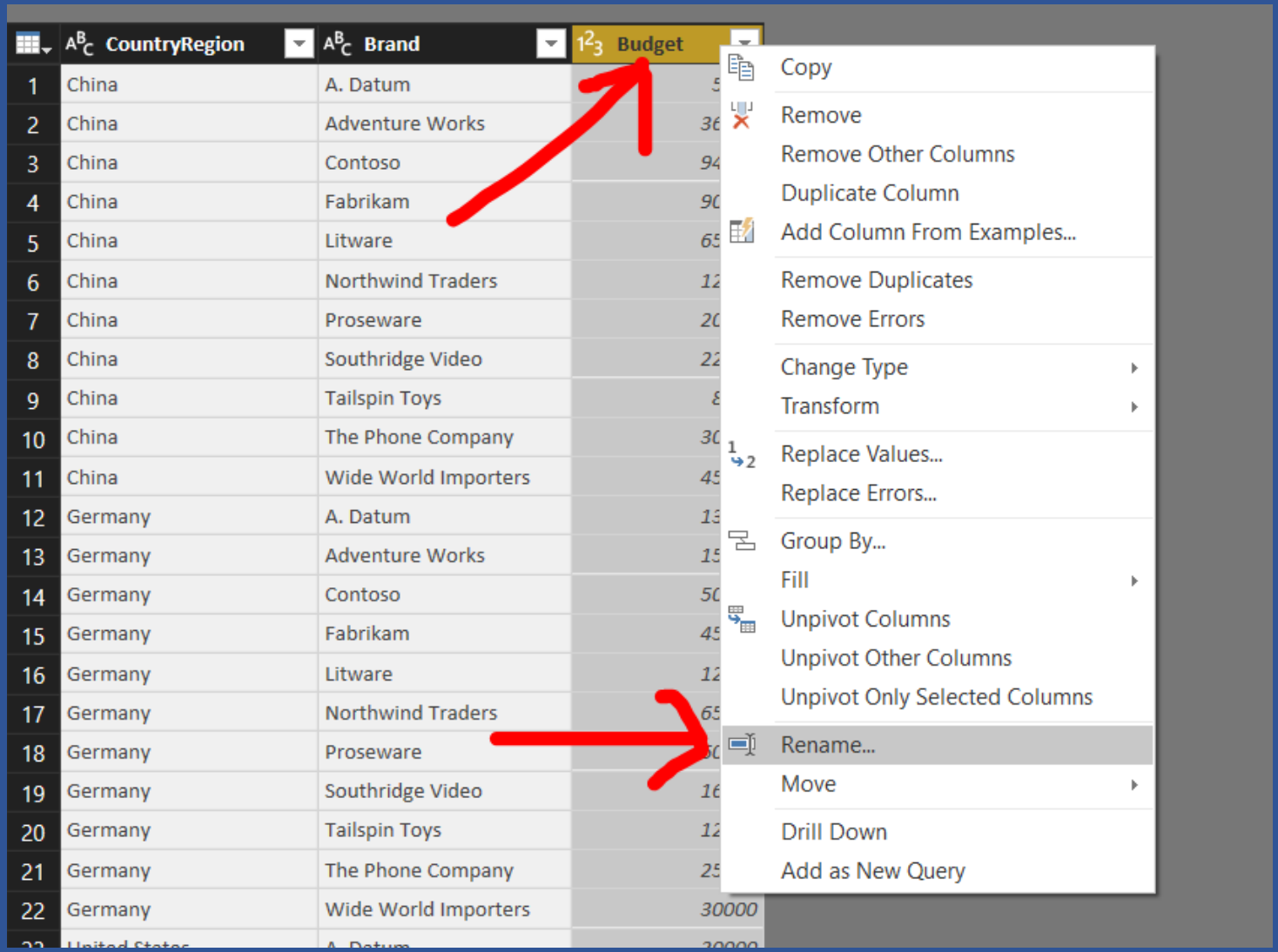
Microsoft Power BI

Sales



Microsoft Power BI

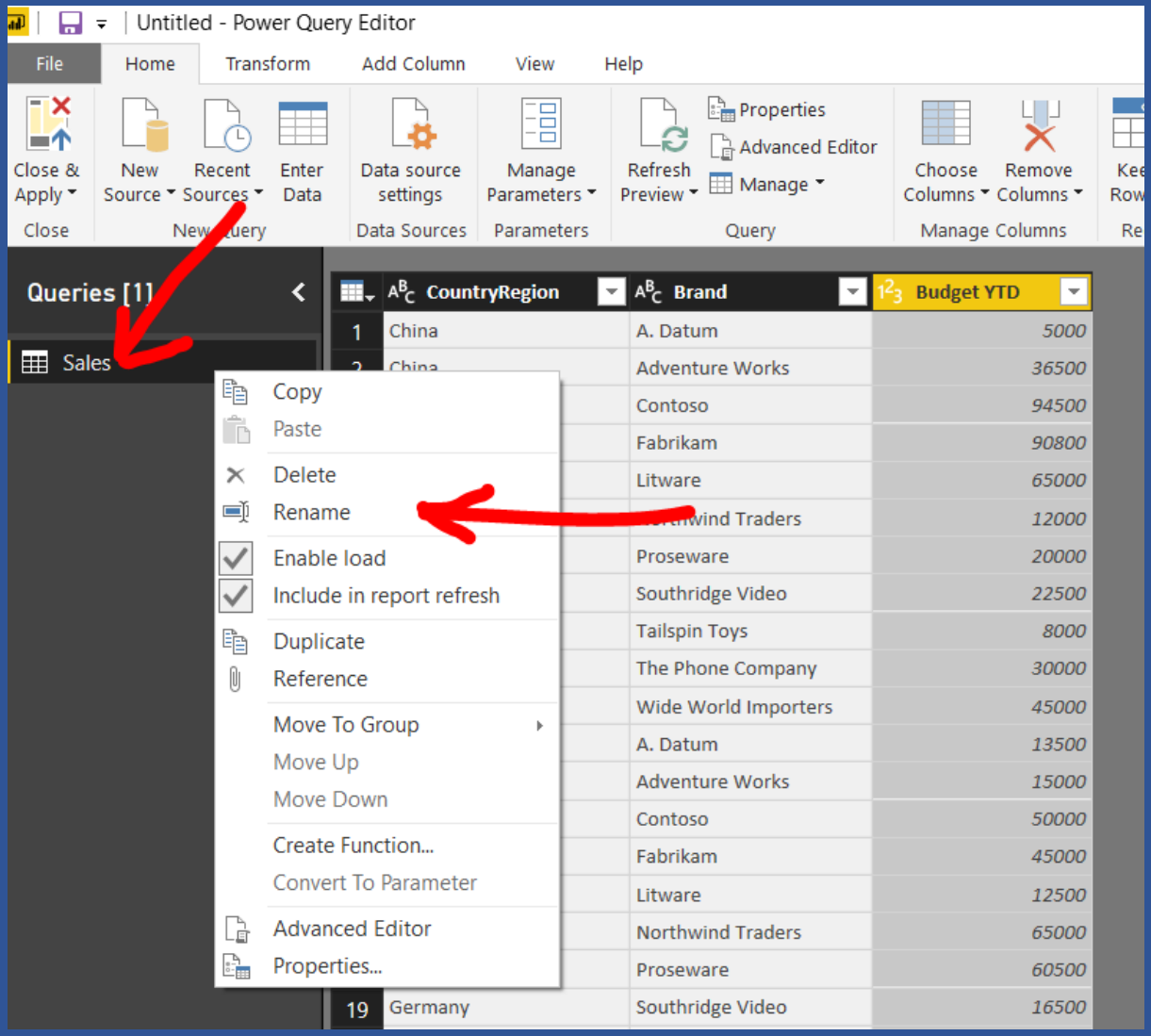
Rename Budget to Budget YTD



	CountryRegion	Brand	Budget
1	China	A. Datum	
2	China	Adventure Works	
3	China	Contoso	
4	China	Fabrikam	
5	China	Litware	
6	China	Northwind Traders	
7	China	Proseware	
8	China	Southridge Video	
9	China	Tailspin Toys	
10	China	The Phone Company	
11	China	Wide World Importers	
12	Germany	A. Datum	
13	Germany	Adventure Works	
14	Germany	Contoso	
15	Germany	Fabrikam	
16	Germany	Litware	
17	Germany	Northwind Traders	
18	Germany	Proseware	
19	Germany	Southridge Video	
20	Germany	Tailspin Toys	
21	Germany	The Phone Company	
22	Germany	Wide World Importers	30000

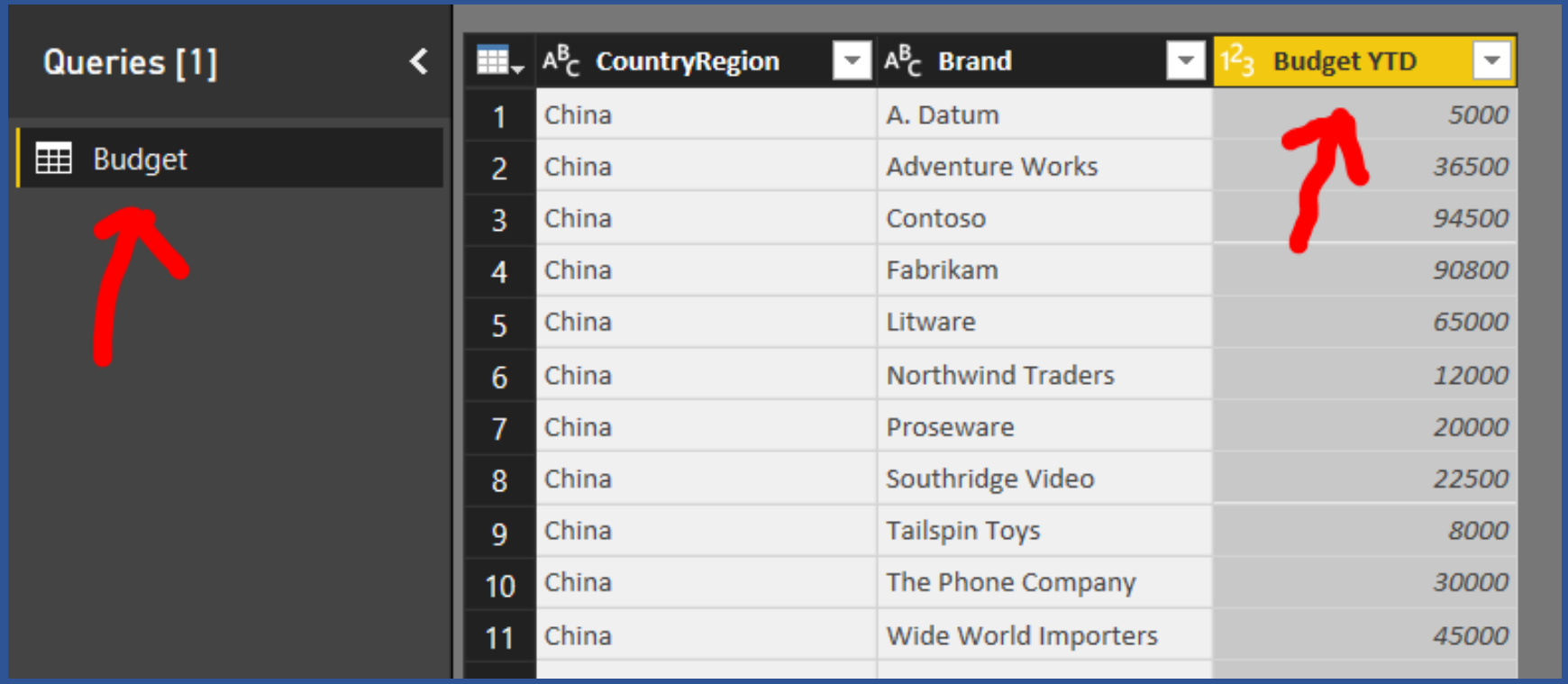
Microsoft Power BI

Rename Sales to Budget



Microsoft Power BI

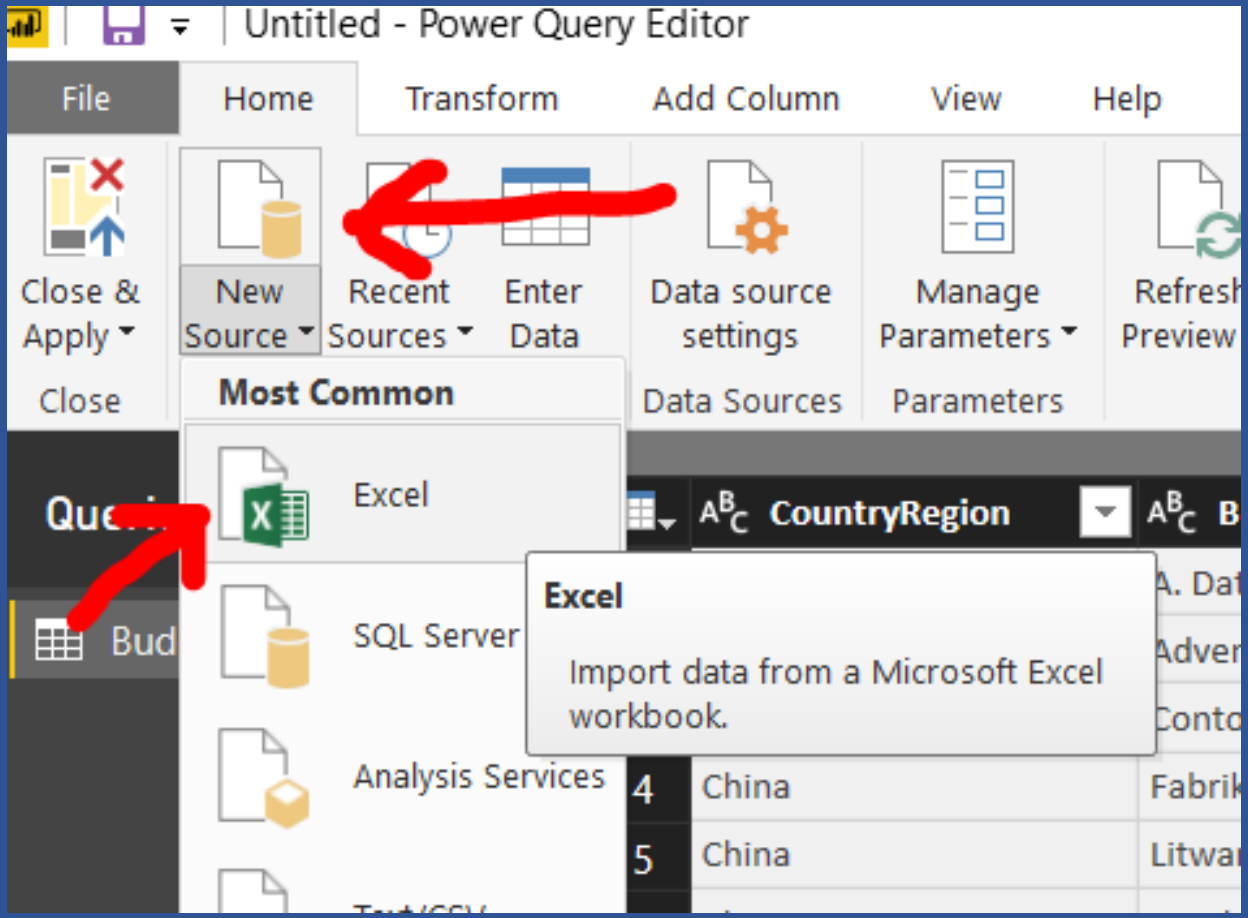
Result after renaming



	CountryRegion	Brand	Budget YTD
1	China	A. Datum	5000
2	China	Adventure Works	36500
3	China	Contoso	94500
4	China	Fabrikam	90800
5	China	Litware	65000
6	China	Northwind Traders	12000
7	China	Proseware	20000
8	China	Southridge Video	22500
9	China	Tailspin Toys	8000
10	China	The Phone Company	30000
11	China	Wide World Importers	45000

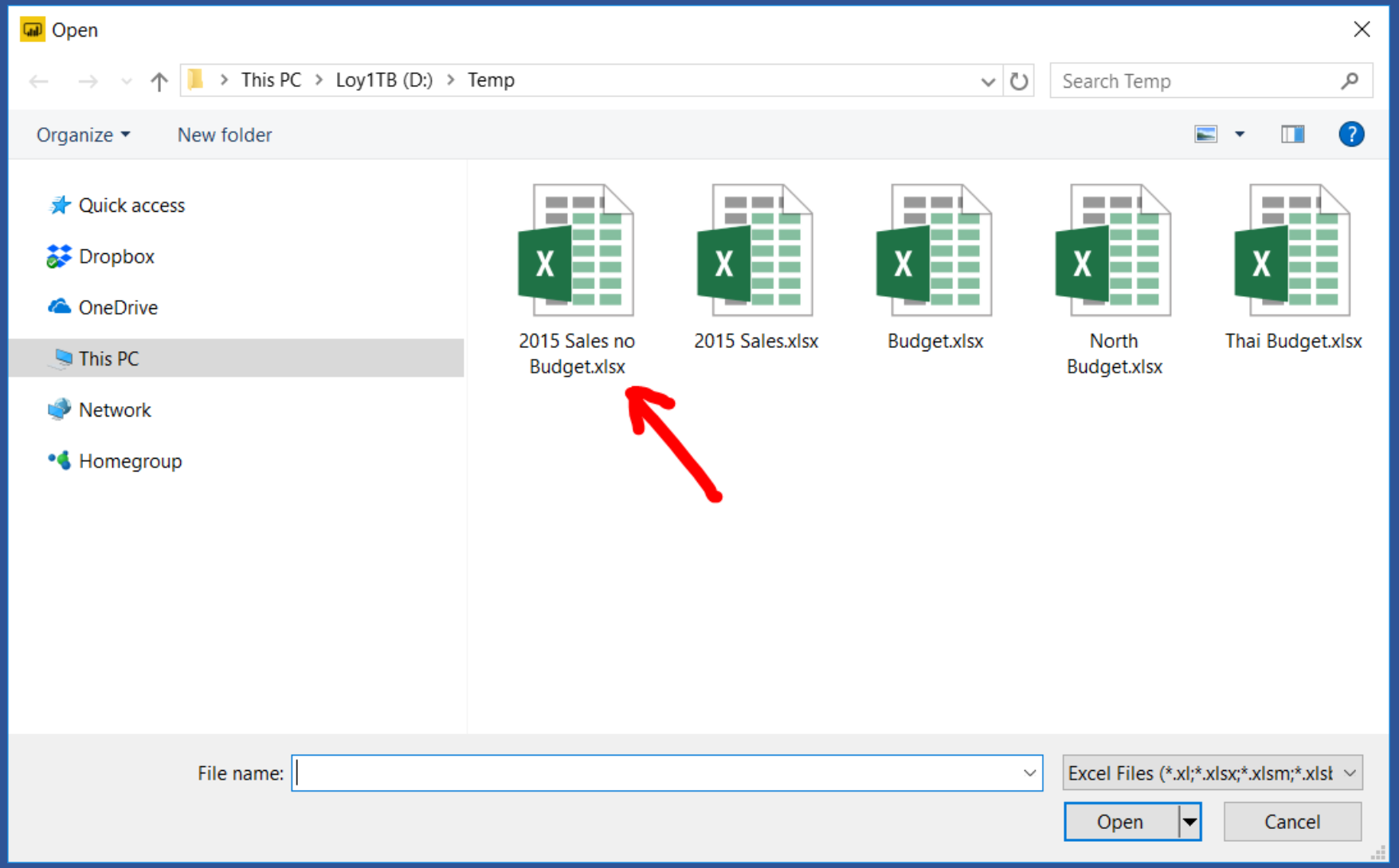
Microsoft Power BI

New Source / Excel



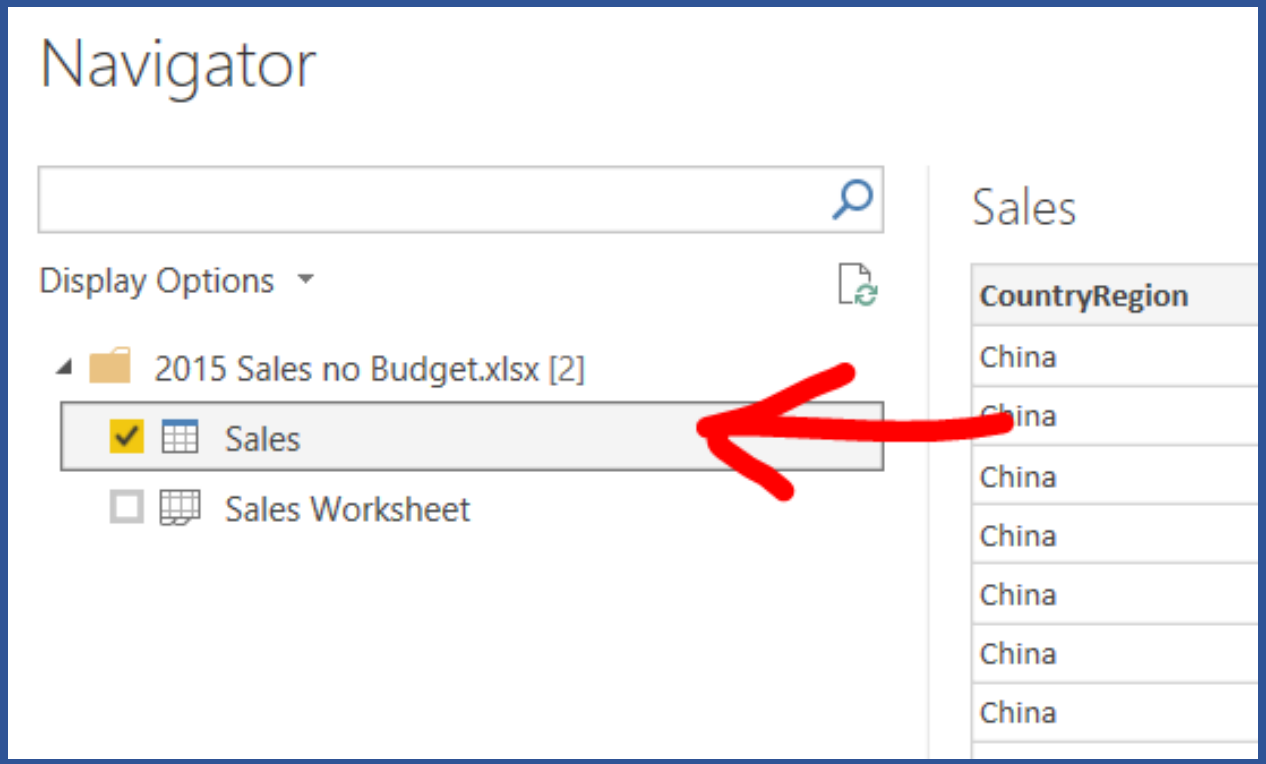
Microsoft Power BI

2015 Sales no Budget.xlsx



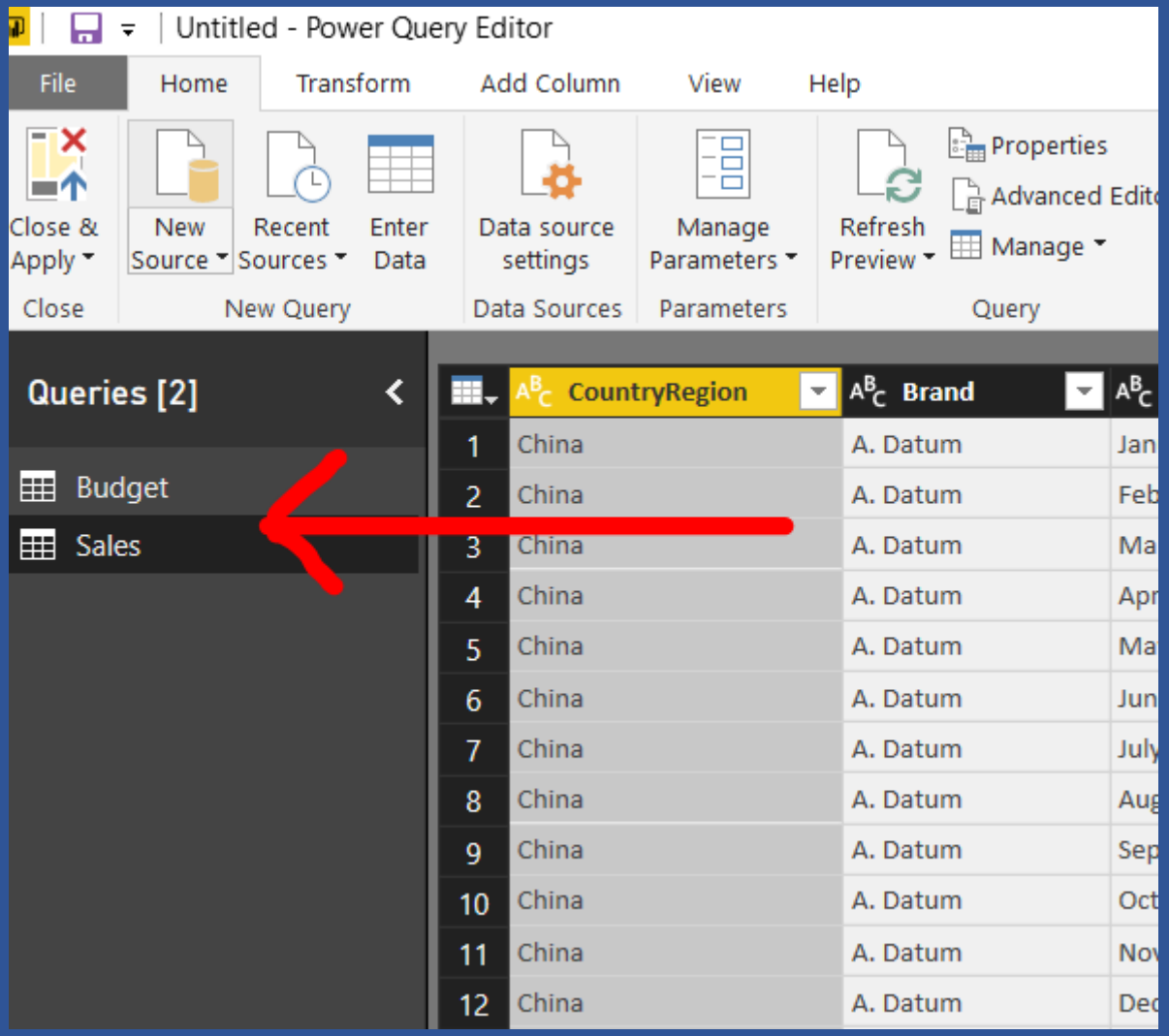
Microsoft Power BI

Sales / Load



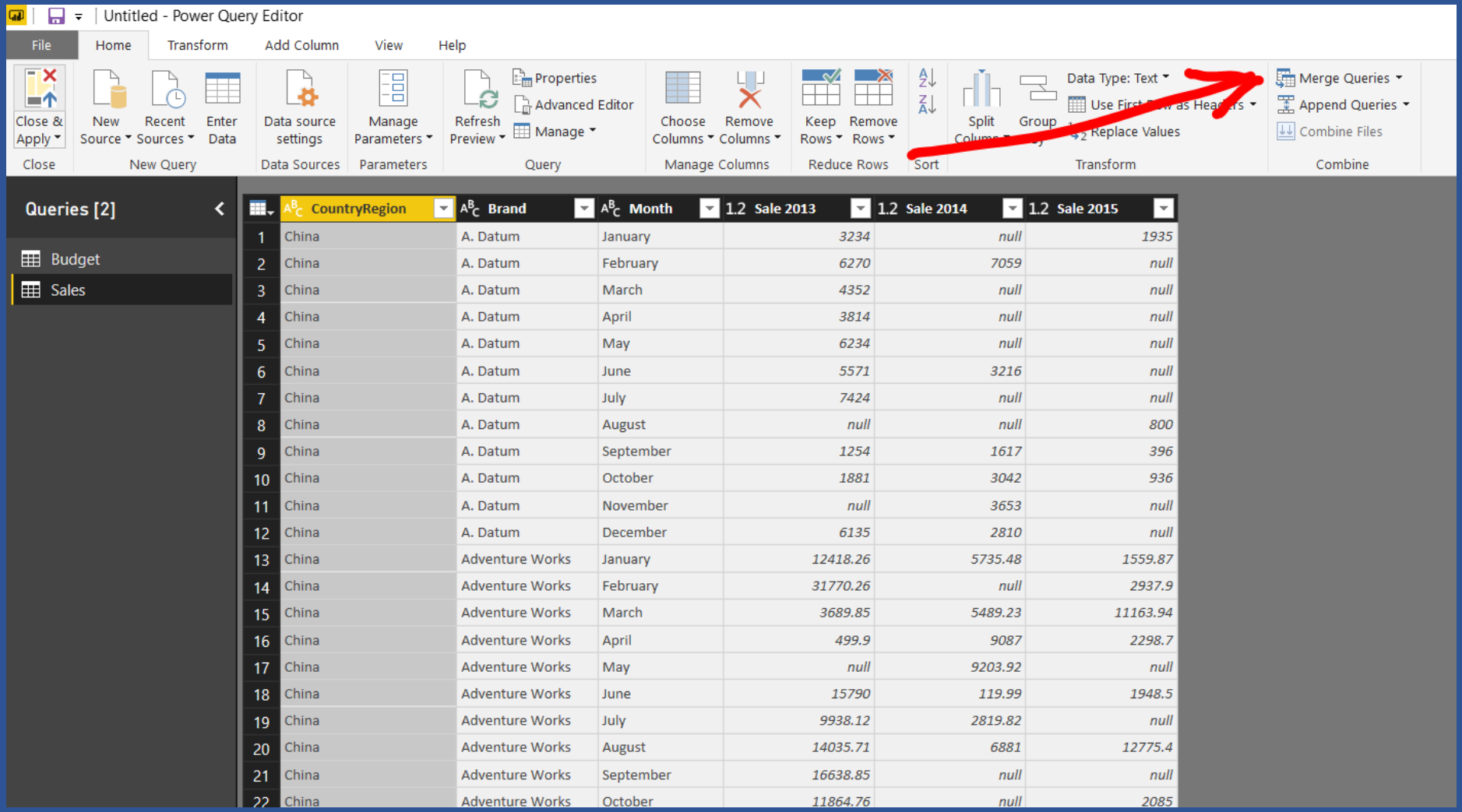
Microsoft Power BI

Make sure that you have two data source



Microsoft Power BI

Click Merge Queries



	CountryRegion	Brand	Month	Sale 2013	Sale 2014	Sale 2015
1	China	A. Datum	January	3234	null	1935
2	China	A. Datum	February	6270	7059	null
3	China	A. Datum	March	4352	null	null
4	China	A. Datum	April	3814	null	null
5	China	A. Datum	May	6234	null	null
6	China	A. Datum	June	5571	3216	null
7	China	A. Datum	July	7424	null	null
8	China	A. Datum	August	null	null	800
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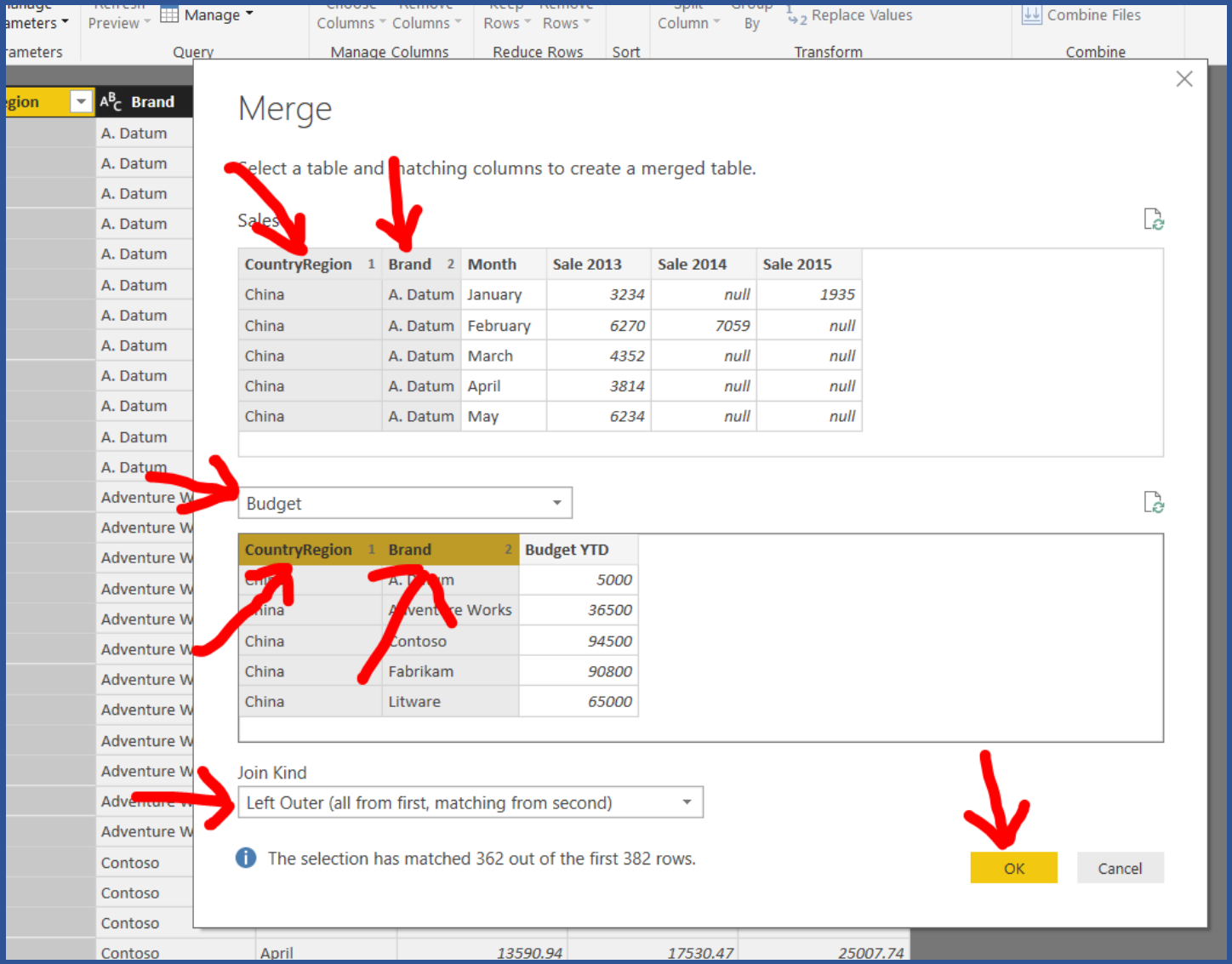
12	China	A. Datum	December	6135	2810	null
13	China	Adventure Works	January	12418.26	5735.48	1559.87
14	China	Adventure Works	February	31770.26	null	2937.9
15	China	Adventure Works	March	3689.85	5489.23	11163.94
16	China	Adventure Works	April	499.9	9087	2298.7
17	China	Adventure Works	May	null	9203.92	null
18	China	Adventure Works	June	15790	119.99	1948.5
19	China	Adventure Works	July	9938.12	2819.82	null
20	China	Adventure Works	August	14035.71	6881	12775.4
21	China	Adventure Works	September	16638.85	null	null
22	China	Adventure Works	October	11864.76	null	2085

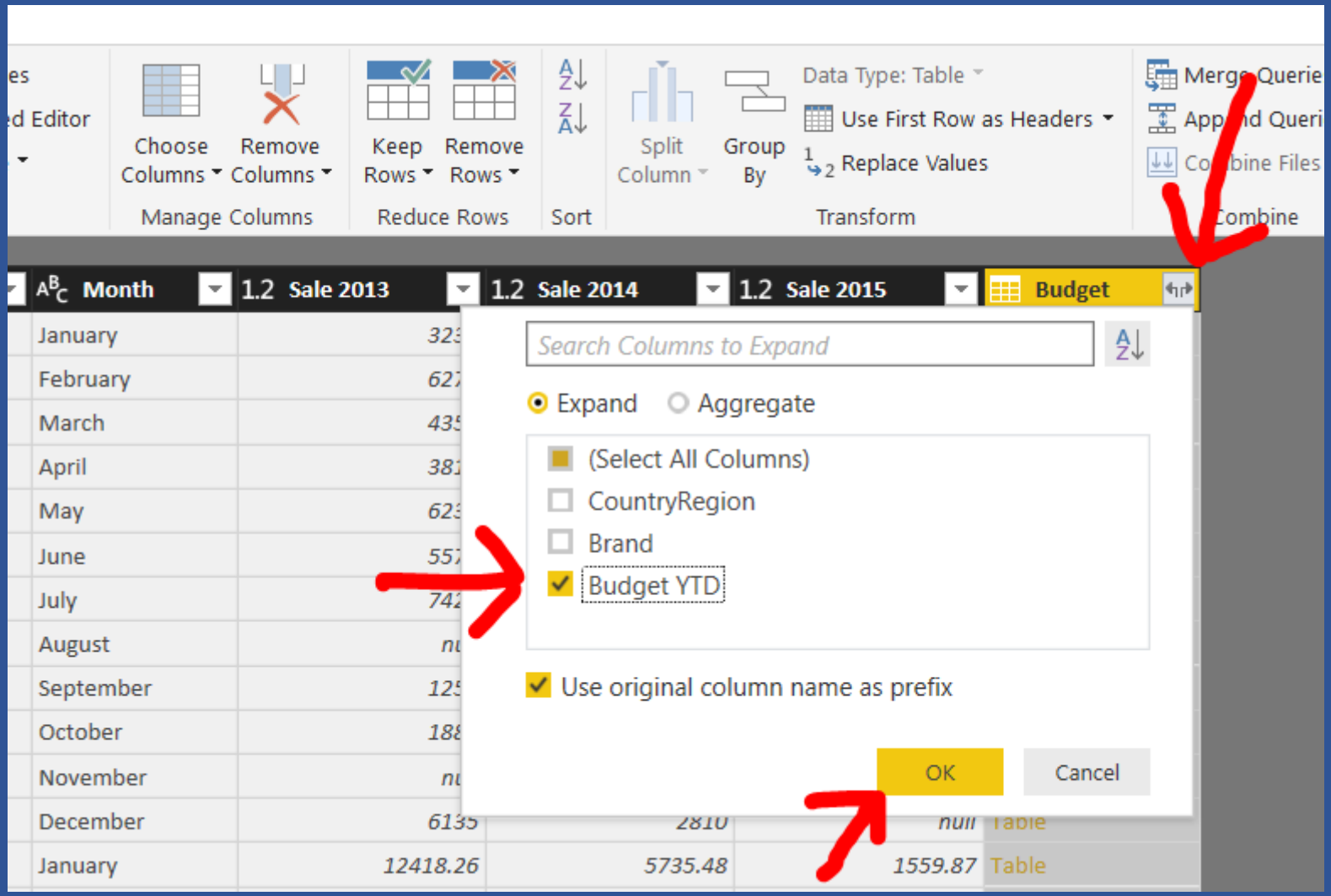
Microsoft Power BI

Join two data sources



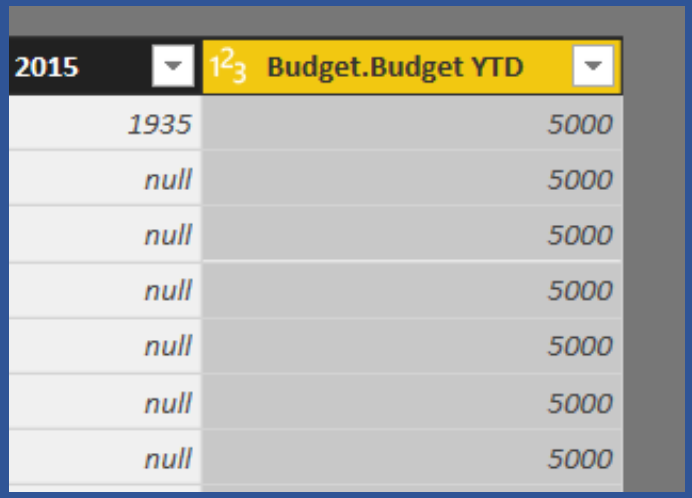
Microsoft Power BI

Select Budget YTD

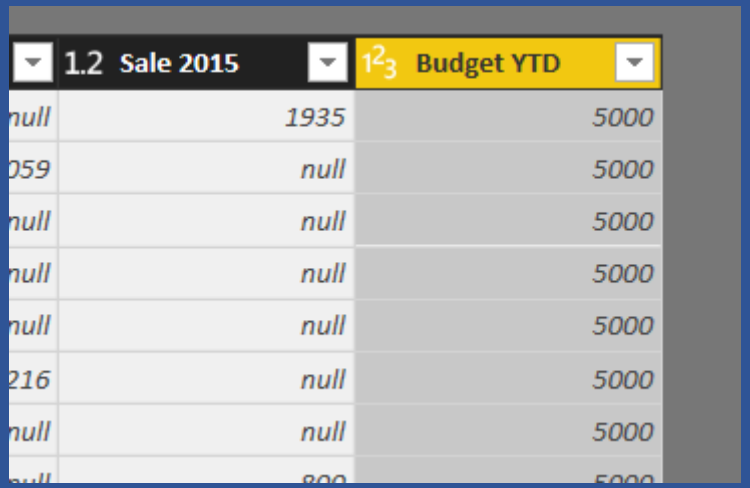


Microsoft Power BI

Rename Budget.Budget YTD to Budget YTD



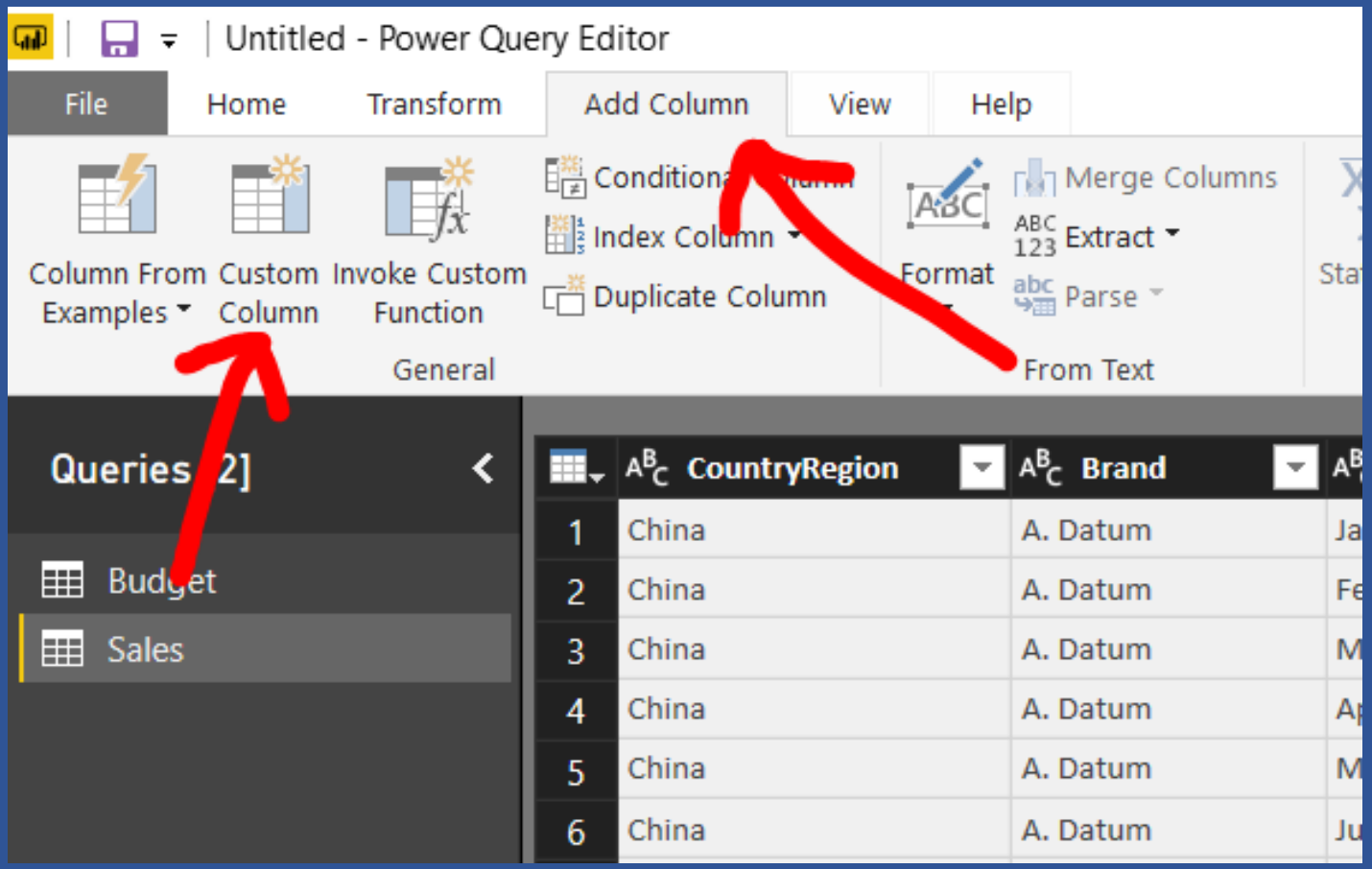
2015	Budget.Budget YTD
1935	5000
null	5000
null	5000
null	5000
null	5000
null	5000
null	5000



1.2 Sale 2015	Budget YTD
null	5000
1935	5000
null	5000
null	5000
null	5000
null	5000
216	5000
null	5000

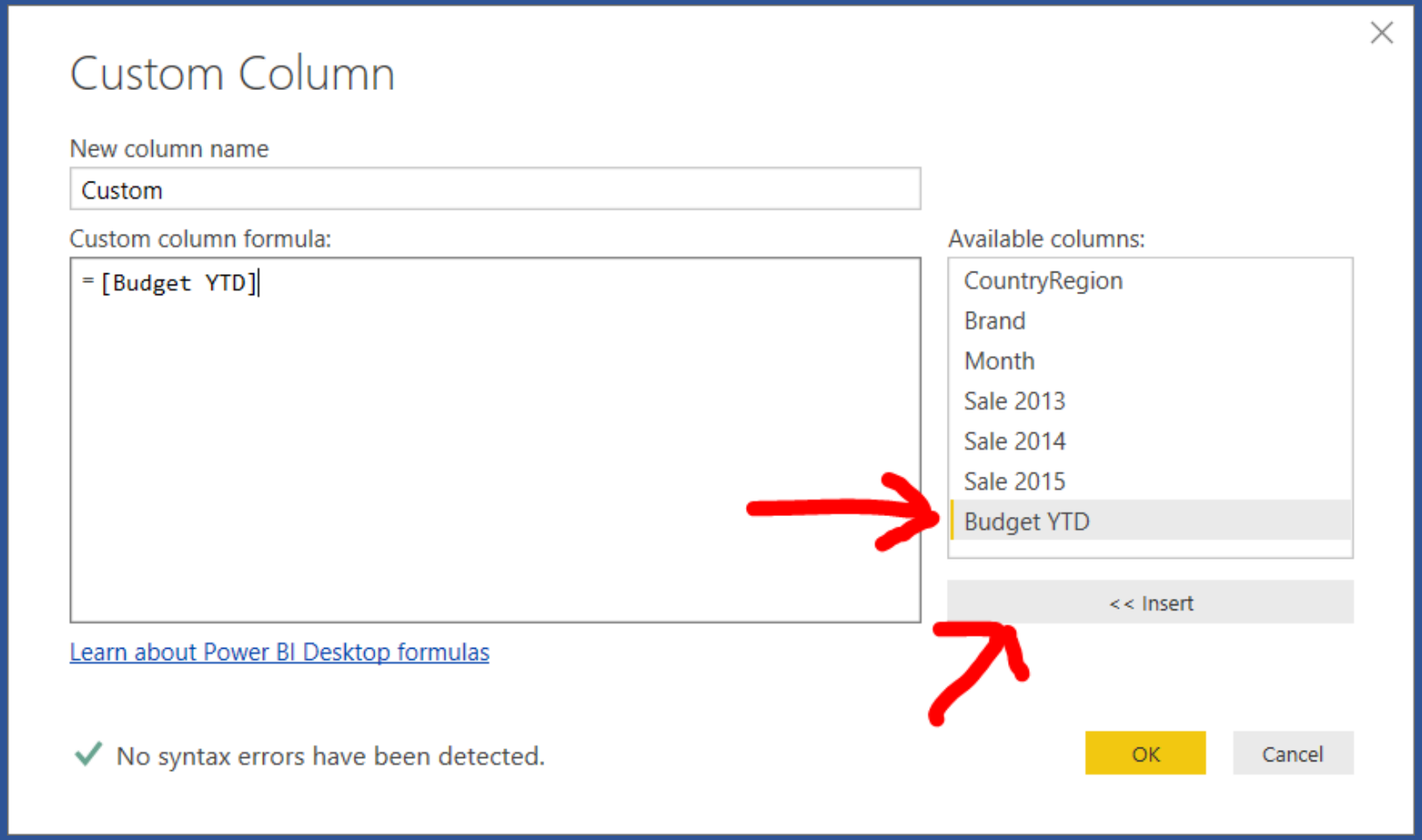
Microsoft Power BI

Add Column / Custom Column



Microsoft Power BI

Budget YTD / << Insert



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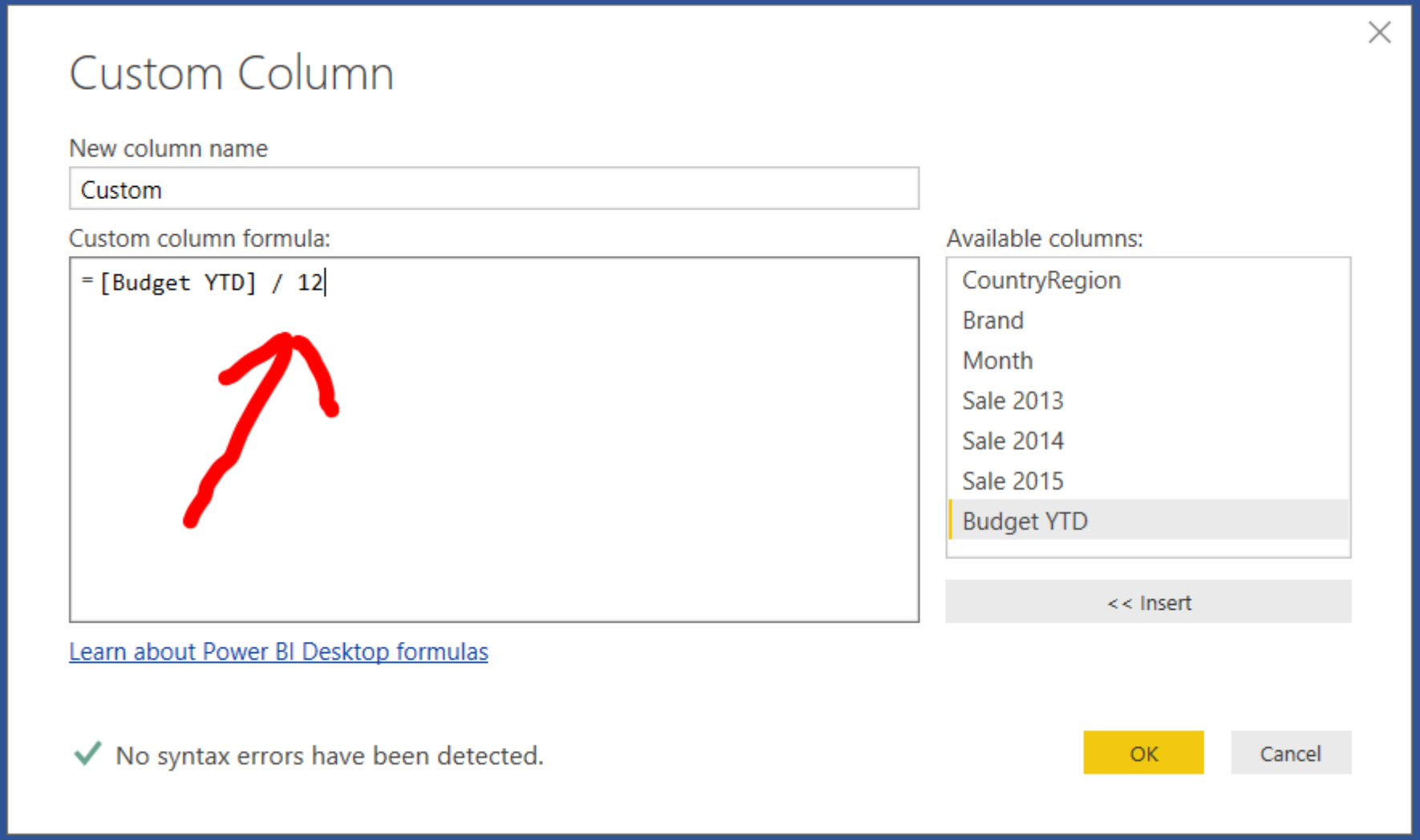
Type / 12 press OK



Microsoft Power BI

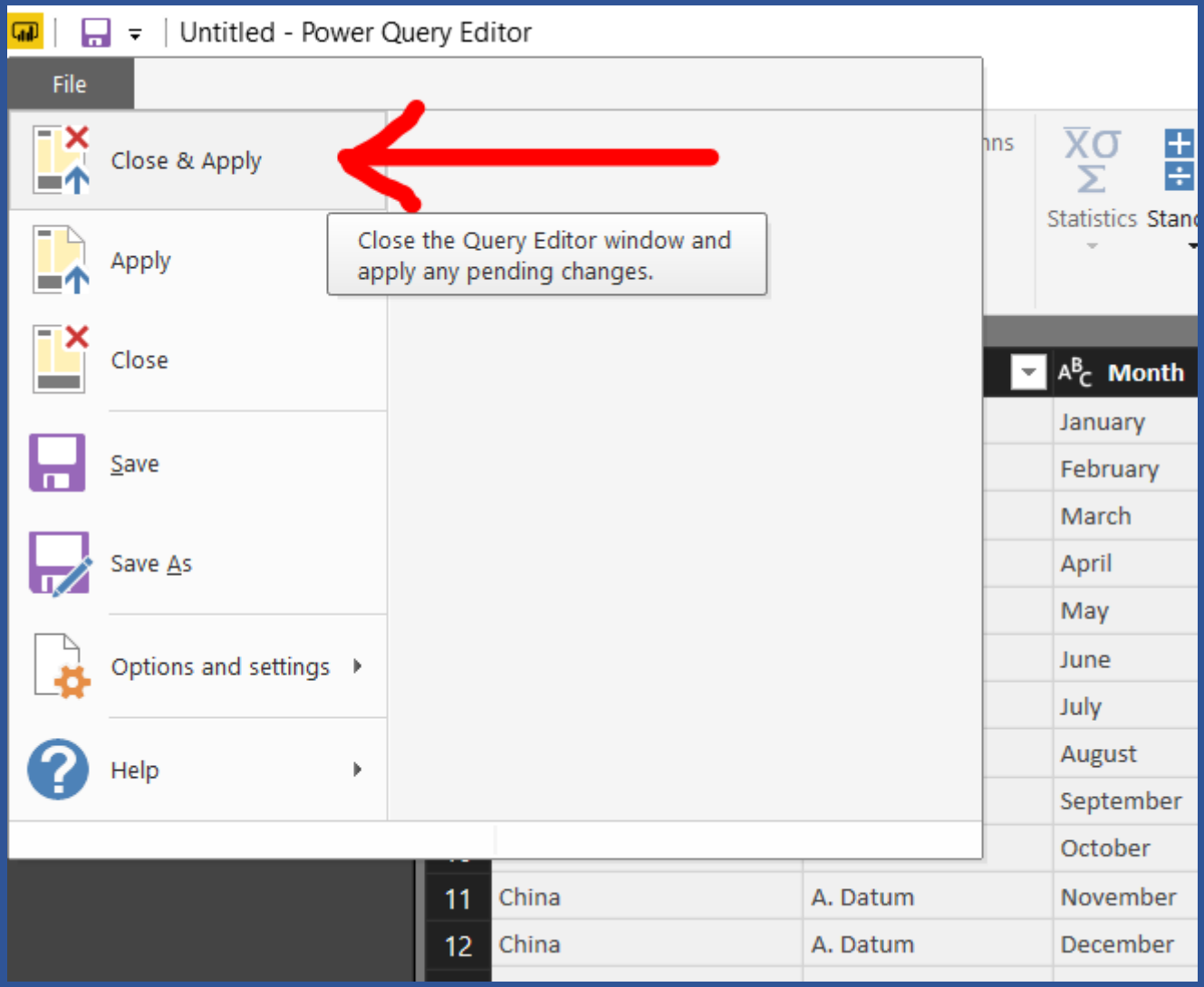
Make sure you have new column name Custom / Rename to Budget

2015	Budget YTD	Custom
1935	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
800	5000	416.6666667
396	5000	416.6666667

2015	Budget YTD	Budget
1935	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
null	5000	416.6666667
800	5000	416.6666667

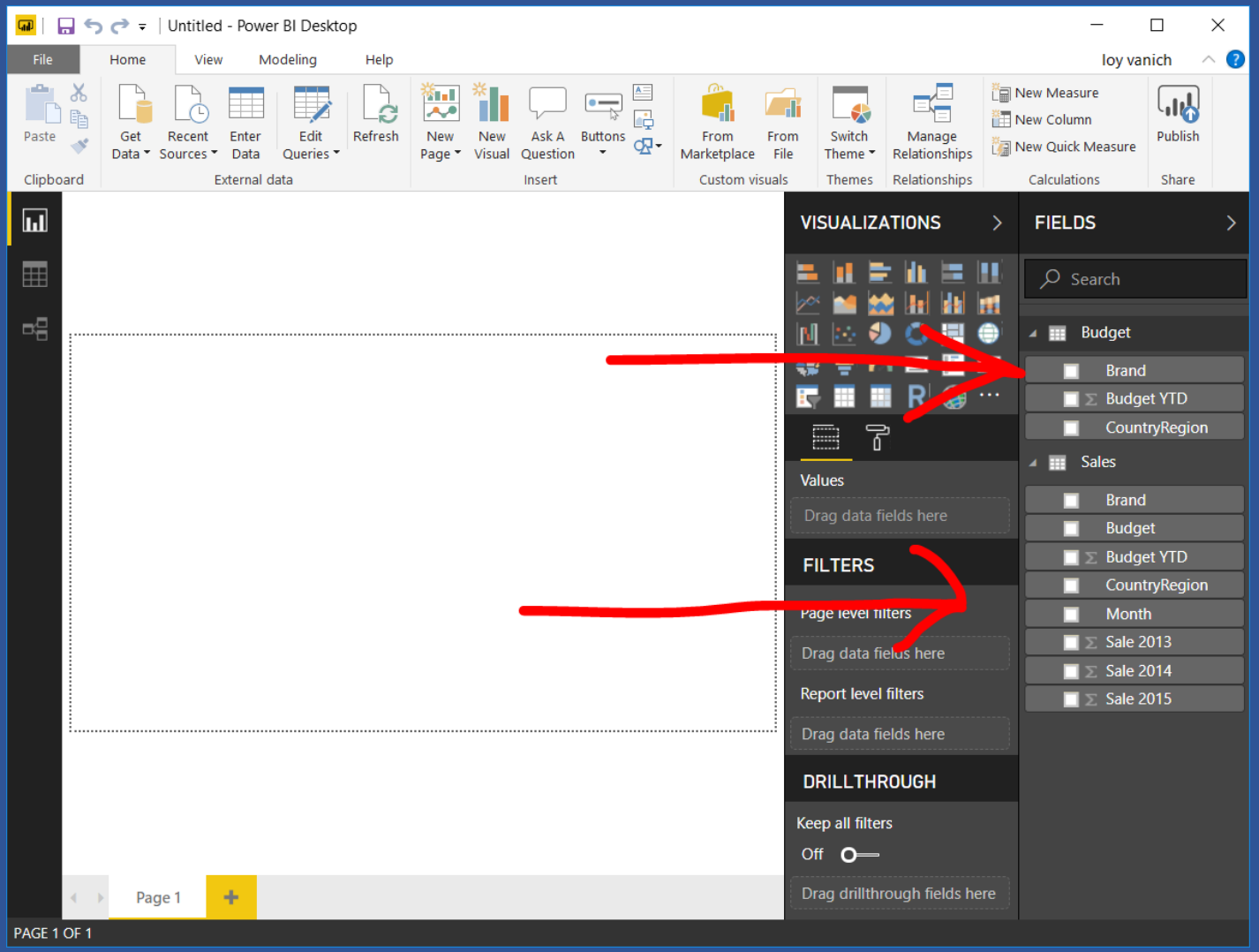
Microsoft Power BI

File / Close & Apply



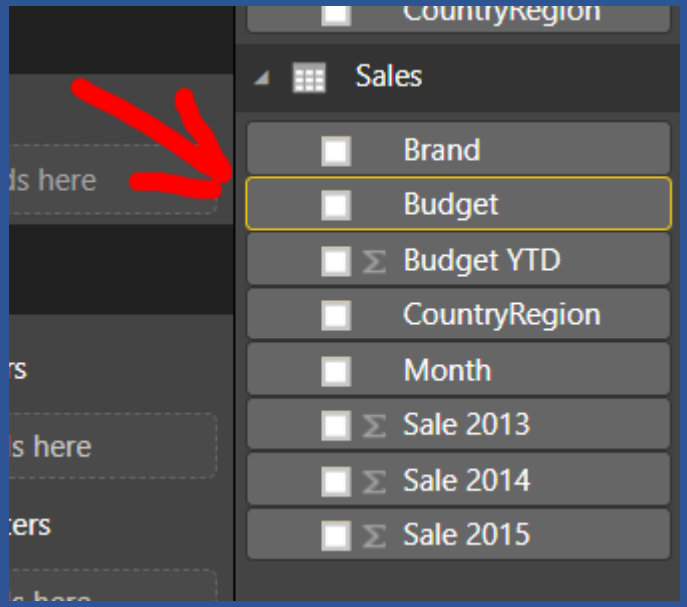
Microsoft Power BI

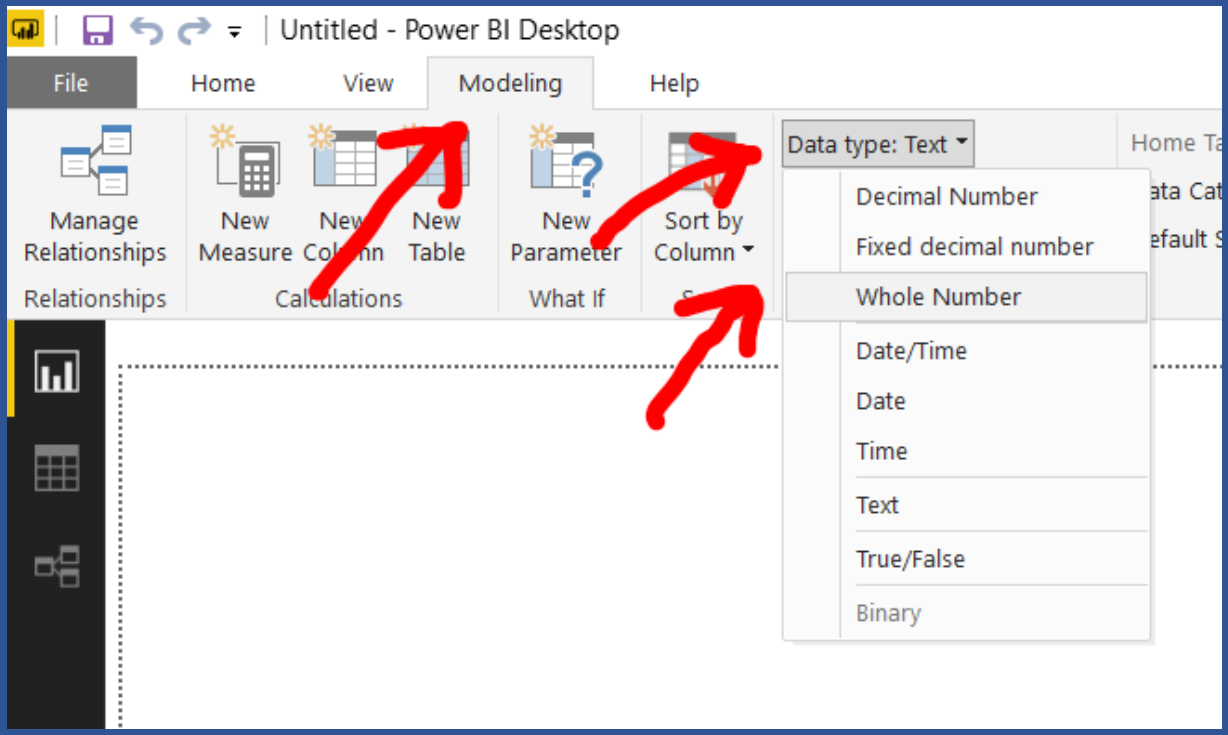
Make sure you have two data source / Sale have column Budget



Microsoft Power BI

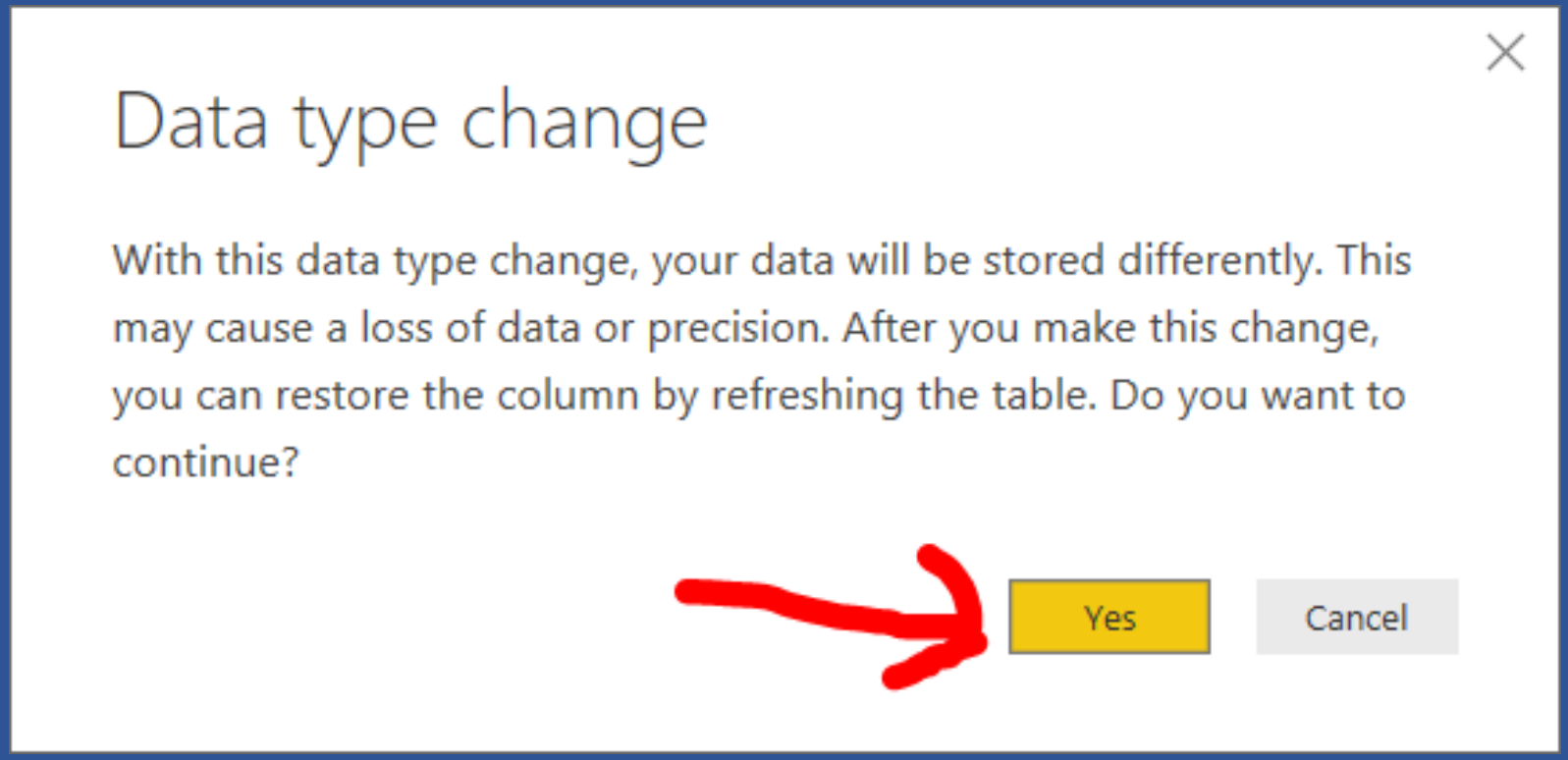
Click Budget / Modeling, Data type, Whole Number





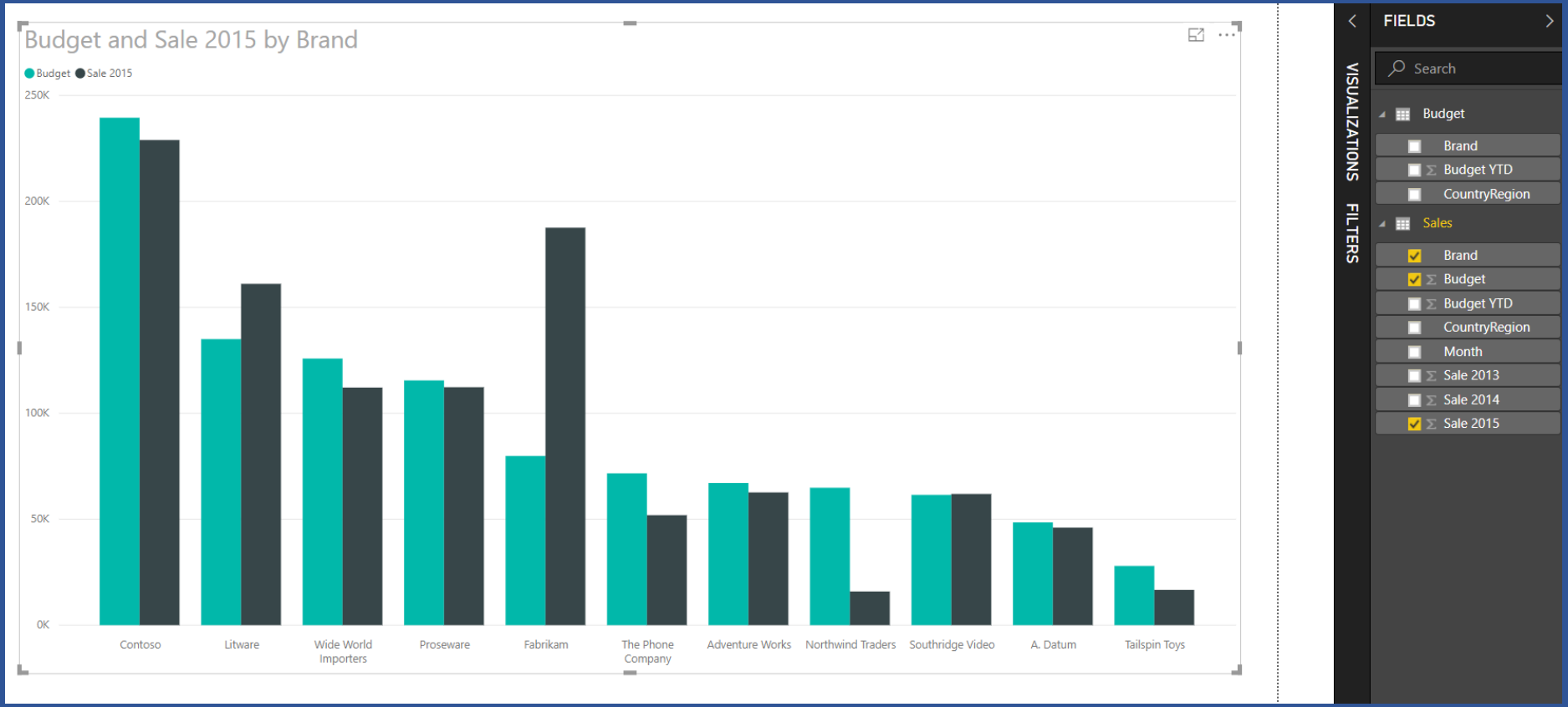
Microsoft Power BI

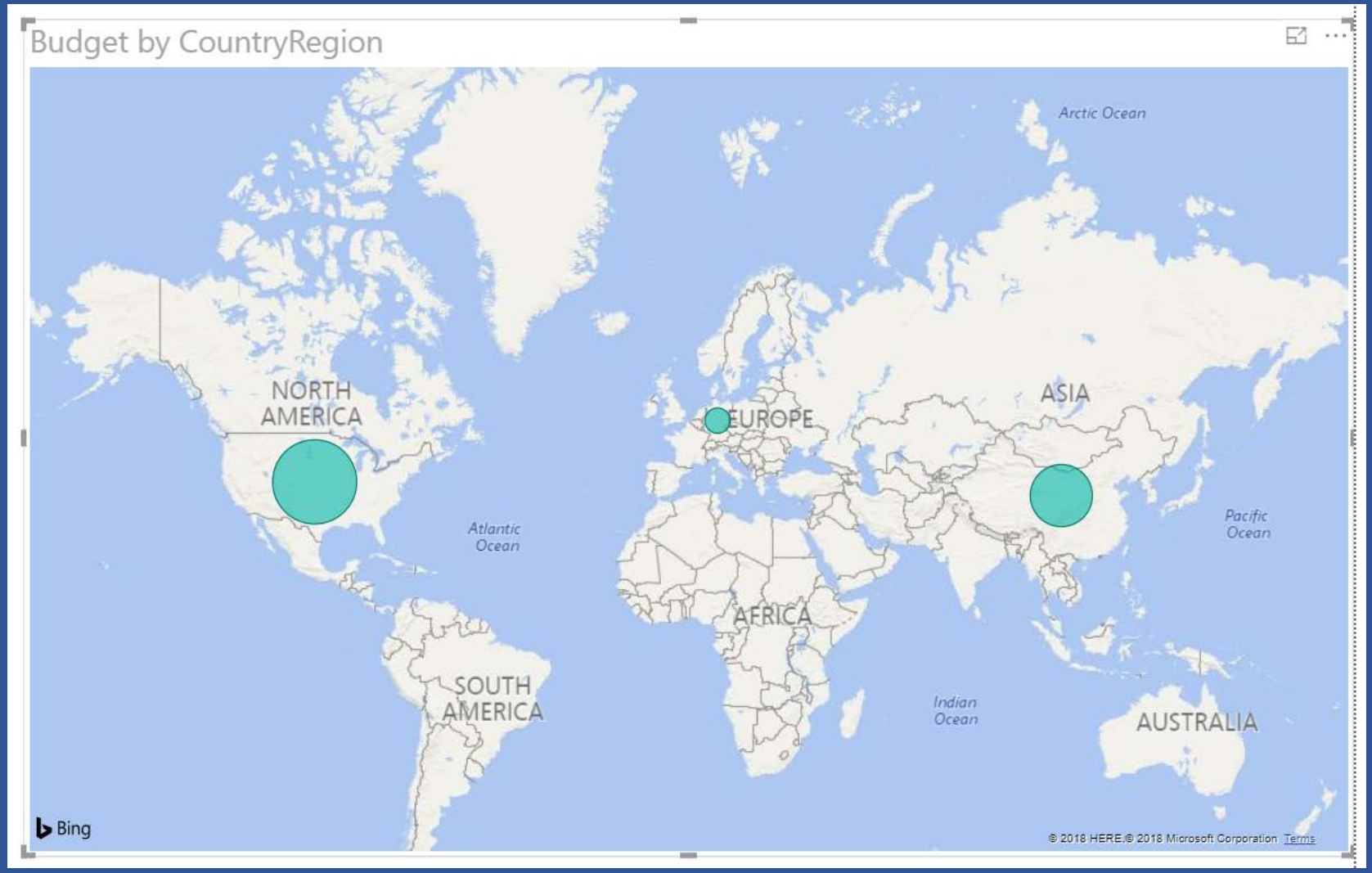
Confirm data type chang



Microsoft Power BI

Make Clustered column chart Budget and Sale 2015 by Brand



Exercise

New / Create all steps / Make Budget by CountryRegion map