



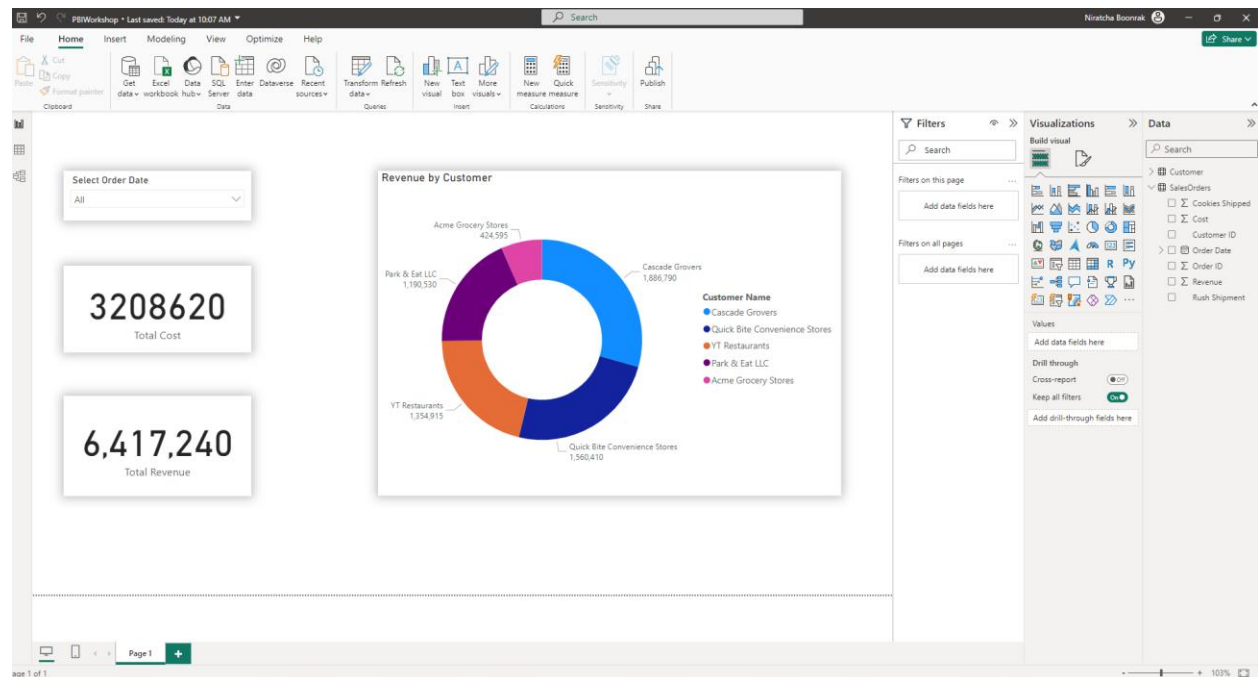
# POWER BI WORKSHOP.

Power Up Your Data Through BI and Analytics



NWTH - Niratcha Boonrak (Faai)  
[nbo@naviworld-asia.com](mailto:nbo@naviworld-asia.com)

## Power BI Workshop



### 1) Get Data

1.1. ไปที่เครื่องมือ Get data จากนั้นเลือก excel workbook เลือกไฟล์ชื่อ Customer

1.2 เลือก sheet >> Transformdata >> power query editor

1.3 ไปที่เครื่องมือ New Source >> เลือก excel workbook >> เลือกไฟล์ชื่อ Order >> เปลี่ยนชื่อเป็น

SalesOrders

The screenshot shows the Power Query Editor interface. The main area displays a table with the following columns: Order ID, Customer ID, Rush Shipment, Cookies Shipped, Revenue, and Cost. The table contains 23 rows of data. The 'Query Settings' pane on the right shows the 'Properties' tab with the name 'SalesOrders' and the 'Applied Steps' list containing 'Source', 'Navigation', 'Promoted Headers', and 'Changed Type'.

Order ID	Customer ID	Rush Shipment	Cookies Shipped	Revenue	Cost
1	103190	152689	Yes	526	2630
2	103240	325698	No	774	3870
3	107775	325698	Yes	208	1040
4	108129	452584	Yes	434	2170
5	108365	452584	No	50	250
6	111037	985245	No	360	1800
7	111987	152689	Yes	147	735
8	112953	785432	No	697	3485
9	113536	152689	Yes	770	3850
10	117415	785432	Yes	370	1850
11	117498	452584	No	560	2800
12	119136	985245	No	856	4280
13	120299	325698	Yes	423	2115
14	122410	325698	Yes	799	3995
15	122648	785432	Yes	588	2940
16	125749	325698	No	465	2325
17	126086	152689	Yes	296	1480
18	127484	152689	No	735	3675
19	127800	985245	Yes	277	1385
20	127921	985245	Yes	714	3570
21	128442	152689	No	443	2215
22	129825	985245	No	235	1175
23	130670	985245	No	600	3000

## 1.4 เลือก Close & Apply

## 2) Manage Relationships

### 2.1 ไปที่ Model View >> Manage Relationships >> Edit

### 2.2 แถบด้านบนเลือกชุดข้อมูล SalesOrders : Customer ID และด้านล่างเลือกชุดข้อมูล Customer : Customer ID

### 2.3 เลือก Cardinality แบบ Many – to – Many >> Filter : Single (Customer filters SalesOrders)

### 2.4 เลือก OK >> Close

#### Edit relationship

Select tables and columns that are related.

SalesOrders

Order ID	Customer ID	Rush Shipment	Cookies Shipped	Revenue	Cost	Order Date
103240	325698	No	774	3,870	1,935	18/06/2022
125749	325698	No	465	2,325	1,163	04/12/2022
133822	325698	No	146	730	365	10/07/2022

Customer

Customer ID	Customer Name	Phone	Address	City	State	Zip
152689	YT Restaurants	999-999-9999	123 Main Street	Seattle	WA	98121
452584	Acme Grocery Stores	801-583-8695	3215 Tori Lane	Salt Lake City	UT	84113
985245	Quick Bite Convenience Stores	920-419-6270	4660 Sycamore Lake Road	Green Bay	WI	54303

Cardinality

Many to many (\*:\*)

Cross filter direction

Single (Customer filters SalesOrders)

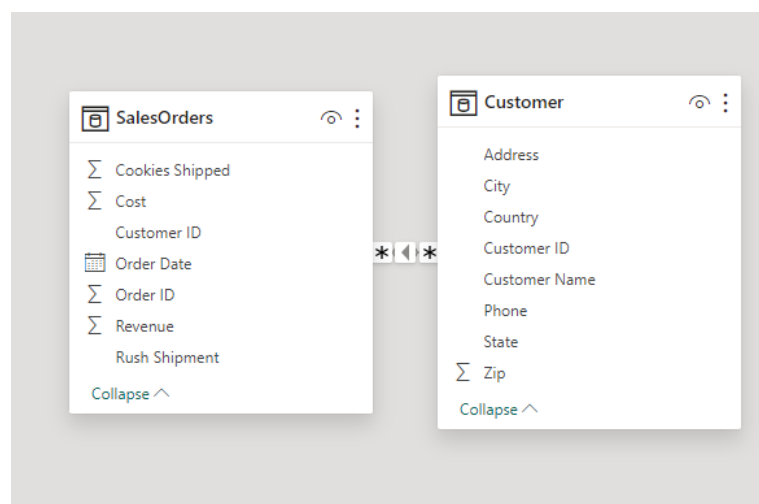
☒ Make this relationship active
 ☐ Assume referential integrity

☐ Apply security filter in both directions

⚠ This relationship has cardinality Many-Many. This should only be used if it is expected that neither column (SalesOrders and Customer) contains unique values, and that the significantly different behavior of Many-many relationships is understood. [Learn more](#)

OK

Cancel



### 3) การสร้าง Visualization

- Slicer : Select Order Date, Customer Name และ Location
- Card : Cost, Revenue และ Profit
- Clustered column chart : Cost, Revenue and Profit by Customer
- Map : View Location about Cost, Revenue and Profit

### 4) Publish to Power BI Services

