

Data Modelling.

Edit relationship

Select tables and columns that are related.

From table
Product Information Power BI

Customer ID	Order Type	Product bought	Product ID	Qty bought
1	Bulk Order	Pen Set	1	62
2	Normal Order	Binder	2	29
3	Bulk Order	Pen Set	1	55

To table
Sales Record

Customer Age	Customer ID	Customer Re...
49	1	North
10	2	Unknown
47	3	North

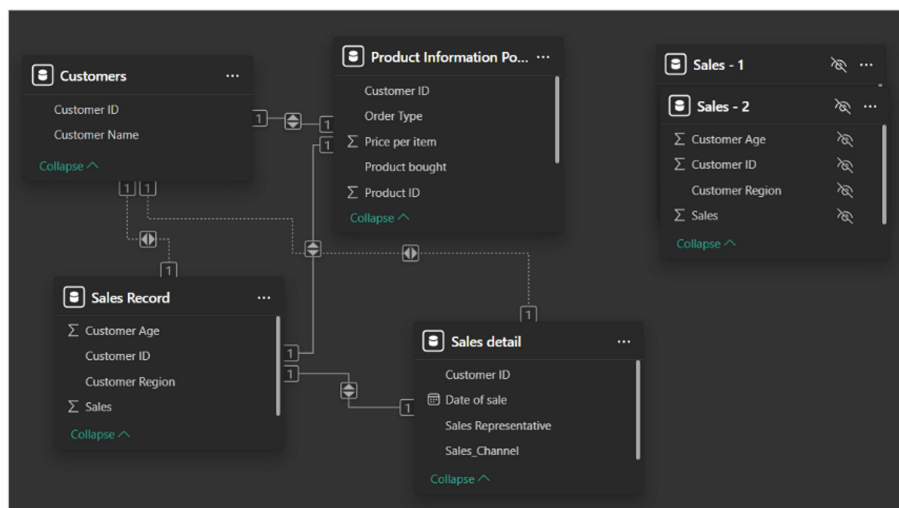
Cardinality
One to one (1:1)

Cross-filter direction
Both

☒ Make this relationship active

☐ Assume referential integrity

Save **Cancel**



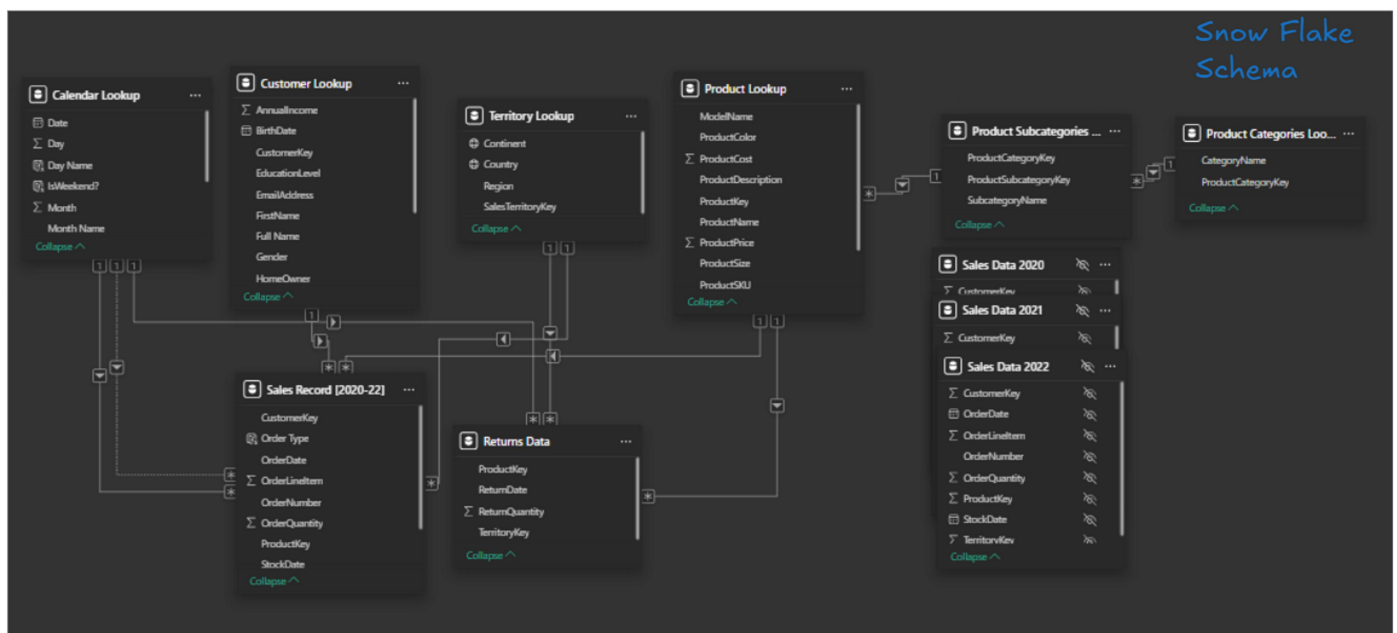
Dimension Table / Fact Table

>	Calendar Lookup	
>	Customer Lookup	
>	Measure Table (DAX)	
>	Product Categories Lookup	...
>	Product Lookup	
>	Product Subcategories Lookup	
>	Returns Data	
>	Sales Data 2020	🗑
>	Sales Data 2021	🗑
>	Sales Data 2022	🗑
>	Sales Record [2020-22]	
>	Territory Lookup	

Dimension Table - are the table which stores information uniquely. Here P.K exists.

Fact Tables are considered as Transactional Table which basically have foreign key.

All the dimension Table should be put above the fact table to make filter flow downstream.



New relationship

Select tables and columns that are related.

From table

Calendar Lookup

Date	Day	Day Name	IsWeekend?	Month	Month Name	Quarter
01-07-2020	1	Wednesday	Weekday	7	July	3
02-07-2020	2	Thursday	Weekday	7	July	3
03-07-2020	3	Friday	Weekday	7	July	3

To table

Sales Record [2020-22]

CustomerKey	Order Type	OrderDate	OrderLineItem	OrderNumber	OrderQuantity	ProductKey
12570	Regular Order	05-07-2020	1	SO46718	1	360
12341	Regular Order	07-07-2020	1	SO46736	1	360
12356	Regular Order	12-07-2020	1	SO46776	1	360

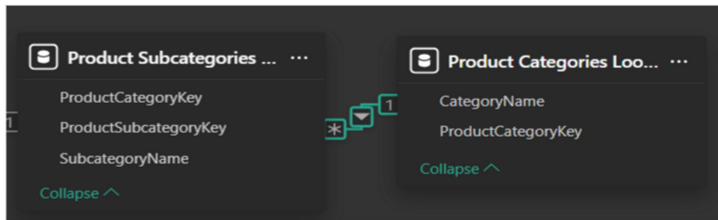
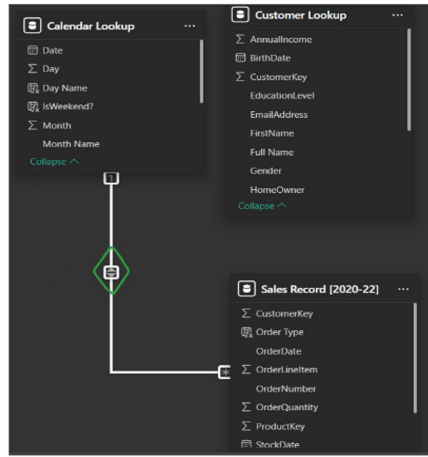
Cardinality

One to many (1:*)

Cross-filter direction

Single

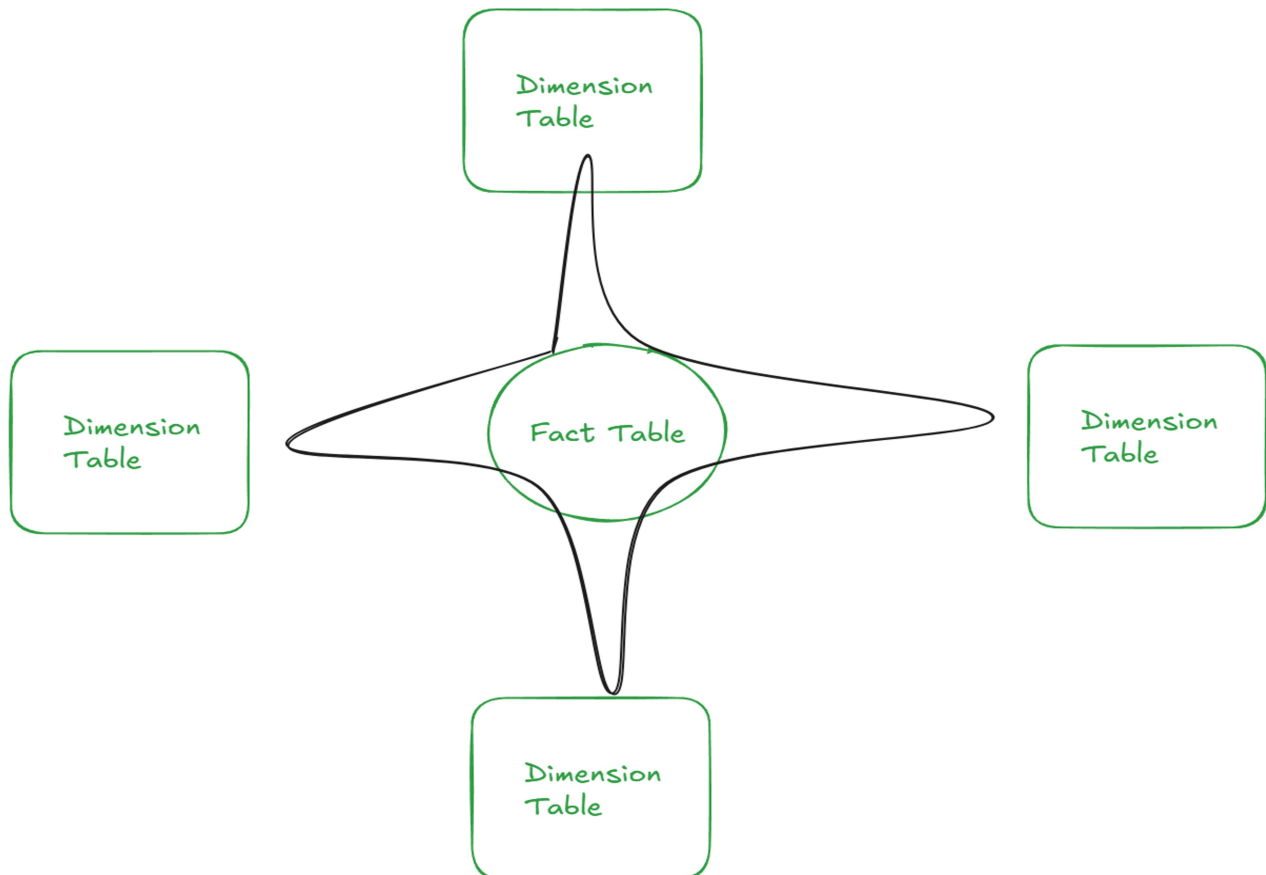
☒ Make this relationship active ☐ Apply security filter in both directions



Sub-Dimensional
 It has all the same property of Dimension Table?
 Why it is called as Sub-Dimension Table?
 Just because they are not directly connected with Fact Table.

Star Schema Vs Snowflake Schema

Star Schema - If you have at least one fact table being connected with multiple dimension Table.



Snow Flake Schema

Its an extended part of Star Schema - having sub dimension table.

