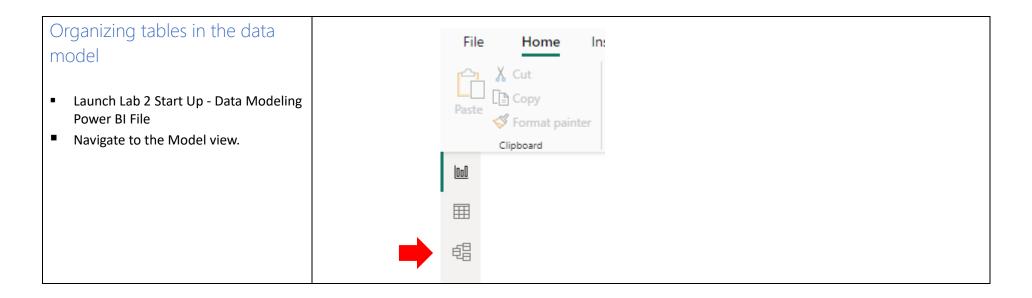
# Lab 2 Model Data in Power BI

### Objectives

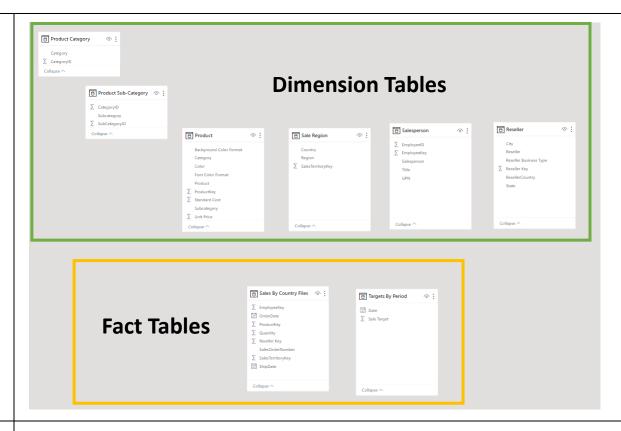
#### Time: 20-30 Minutes

- 1. Organizing tables in the data model
- 2. Creating relational connections between Fact and Dimension tables
- 3. Validate filter propagation.
- 4. Create a doughnut chart showing the count segmentation of resellers based on product category.

#### Lab steps



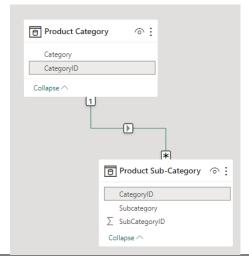
 Organize the data tables separating the dimension tables placing them on the upper part of the model canvas and the Fact tables below.

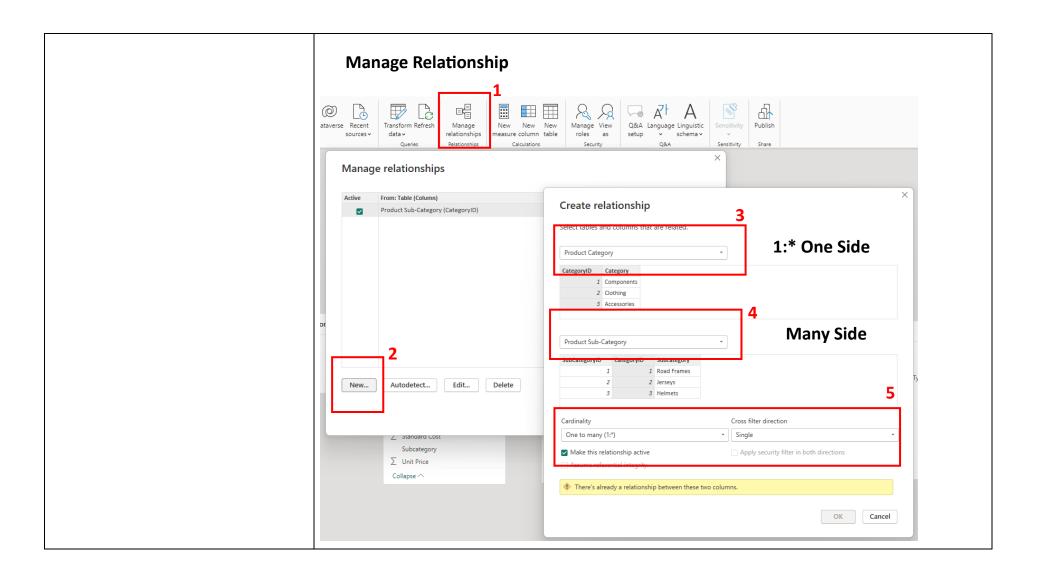


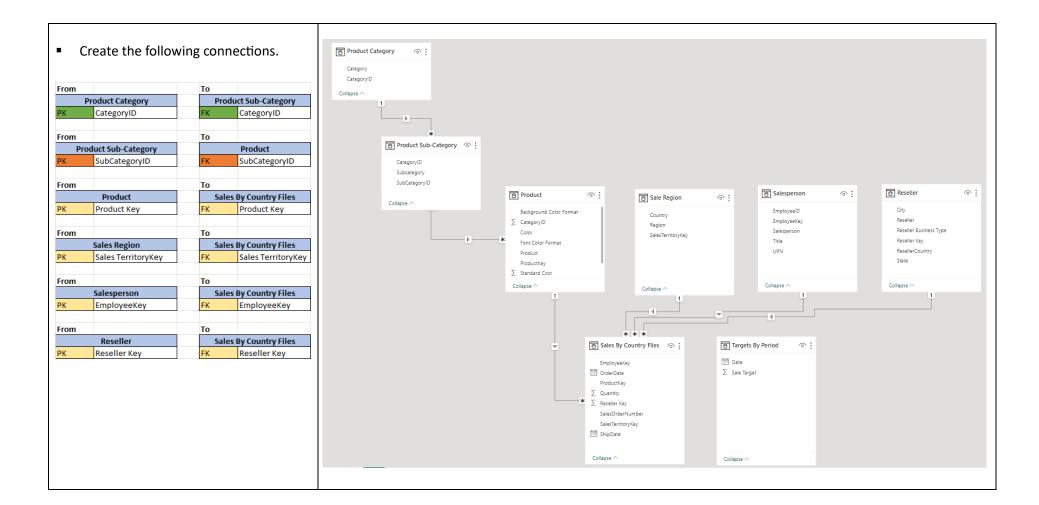
# 2) Creating relational connections between Fact and Dimension tables

- Make table connections by connecting the corresponding Primary key from the **Dimension** tables to the **Fact** tables.
- You can use the drag and drop method or from the Home tab select Manage relationships.

#### **Drag & Drop Option**







3) Validate filter propagation					3
	Category		Region	Salesperson	Sum of Quantity
■ Navigate to the <b>Report View</b>	☐ Accessories ☐		Australia	Lynn Tsoflias	1724
	□ Bikes		Australia	Syed Abbas	746
			Canada	Garrett Vargas	2128
<ul> <li>From the Visualizations pane select</li> </ul>	☐ Clothing		Canada	Jae Pak	5253
the slicer visual and place the category	☐ Components		Canada	Stephen Jiang	460
field from the category table into the		Central	Jillian Carson	885	
slicer field			Central	Linda Mitchell	844
Place the Subcategory field from the Subcategory table into the slicer field.			Central	Michael Blythe	1536
	Subcategory	2	Central	Shu Ito	314
	☐ Bib-Shorts	2	France	Amy Alberts	86
Add a Table visual onto the canvas and Place the Region, Salesperson and Quantity field into the table visual	☐ Bike Racks		France	Ranjit Varkey Chudukatil	3117
			Germany	Amy Alberts	102
	☐ Bike Stands		Germany	Rachel Valdez	2438
	☐ Bottles and Cages ☐ Bottom Brackets	Northeast	Jillian Carson	3316	
			Northwest	David Campbell	1709
Test the slicers to ensure that the filter propagation is working correctly starting with the category slicer.			Northwest	Linda Mitchell	754
	Brakes		Northwest	Pamela Ansman-Wolfe	1406
	☐ Caps	Northwest	Shu Ito	386	
		Northwest	Stephen Jiang	224	
	☐ Chains		Northwest	Tete Mensa-Annan	1380
	☐ Cleaners		Southeast	Jillian Carson	622
		Southeast	Stephen Jiang	8	
	☐ Cranksets		Southeast	Tsvi Reiter	2465
			Southwest	Linda Mitchell	3160
			Southwest	Michael Blythe	2635
			Total		43664

## 4) Create a doughnut chart showing the count segmentation of resellers based on product category

- Place a doughnut chart onto the canvas with the Category field from the Category Table in the Legend and the Reseller field from the reseller table in the values (Reseller should be aggregated to count)
- To get the correct values you will need to change the cross filter in the model view
- Click on the connection string between the Reseller table and the Sales by Country Files
- In the model view from the properties panel change the cross-filter direction from single to both and then apply changes

