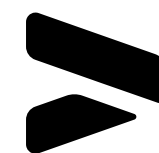




Power BI

Module 2

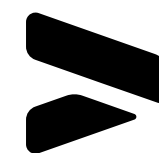
Creating Data Model





Topics

- Data Modelling
- Facts & Dimensions
- Cardinality
- Common Schemas
- Normalization
- Primary & Foreign Keys
- Filter flow
- Hierarchies

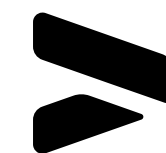




Power BI

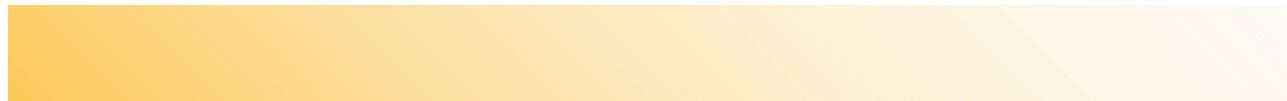
Is this Data Model?

<div><div>Territory Lookup</div><div><div>Continent</div><div>Country</div><div>Region</div><div>Σ SalesTerritoryKey</div></div><div>Collapse ^</div></div>	<div><div>Product Lookup</div><div><div>Σ Discounted Price</div><div>ModelName</div><div>ProductColor</div><div>Σ ProductCost</div><div>ProductDescription</div><div>Σ ProductKey</div><div>ProductName</div><div>Σ ProductPrice</div><div>ProductSKU</div></div><div>Collapse ^</div></div>	<div><div>Product Categories L...</div><div><div>CategoryName</div><div>Σ ProductCategoryKey</div></div><div>Collapse ^</div></div>	<div><div>Product Subcategorie...</div><div><div>Σ ProductCategoryKey</div><div>Σ ProductSubcategoryKey</div><div>SubcategoryName</div></div><div>Collapse ^</div></div>	<div><div>Customer Lookup</div><div><div>Σ AnnualIncome</div><div>BirthDate</div><div>Σ CustomerKey</div><div>Domain Name</div><div>EducationLevel</div><div>EmailAddress</div><div>FirstName</div><div>Full Name</div><div>Gender</div></div><div>Collapse ^</div></div>
<div><div>Sales Data</div><div><div>Σ CustomerKey</div><div>OrderDate</div><div>Σ OrderLineItem</div><div>OrderNumber</div><div>Σ OrderQuantity</div><div>Σ ProductKey</div><div>StockDate</div><div>Σ TerritoryKey</div></div><div>Collapse ^</div></div>	<div><div>Rolling Calendar</div><div><div>Calendar Date</div></div><div>Collapse ^</div></div>	<div><div>Product Category Sal...</div><div><div>Σ Central Region</div><div>Date</div><div>Σ North Region</div><div>Product Category</div><div>Σ South Region</div></div><div>Collapse ^</div></div>	<div><div>Calendar Lookup</div><div><div>Date</div><div>Σ Month</div><div>Month Name</div><div>Σ Quarter</div><div>Start of Month</div><div>Start of Quarter</div></div><div>Collapse ^</div></div>	

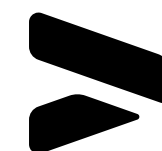




Result Data



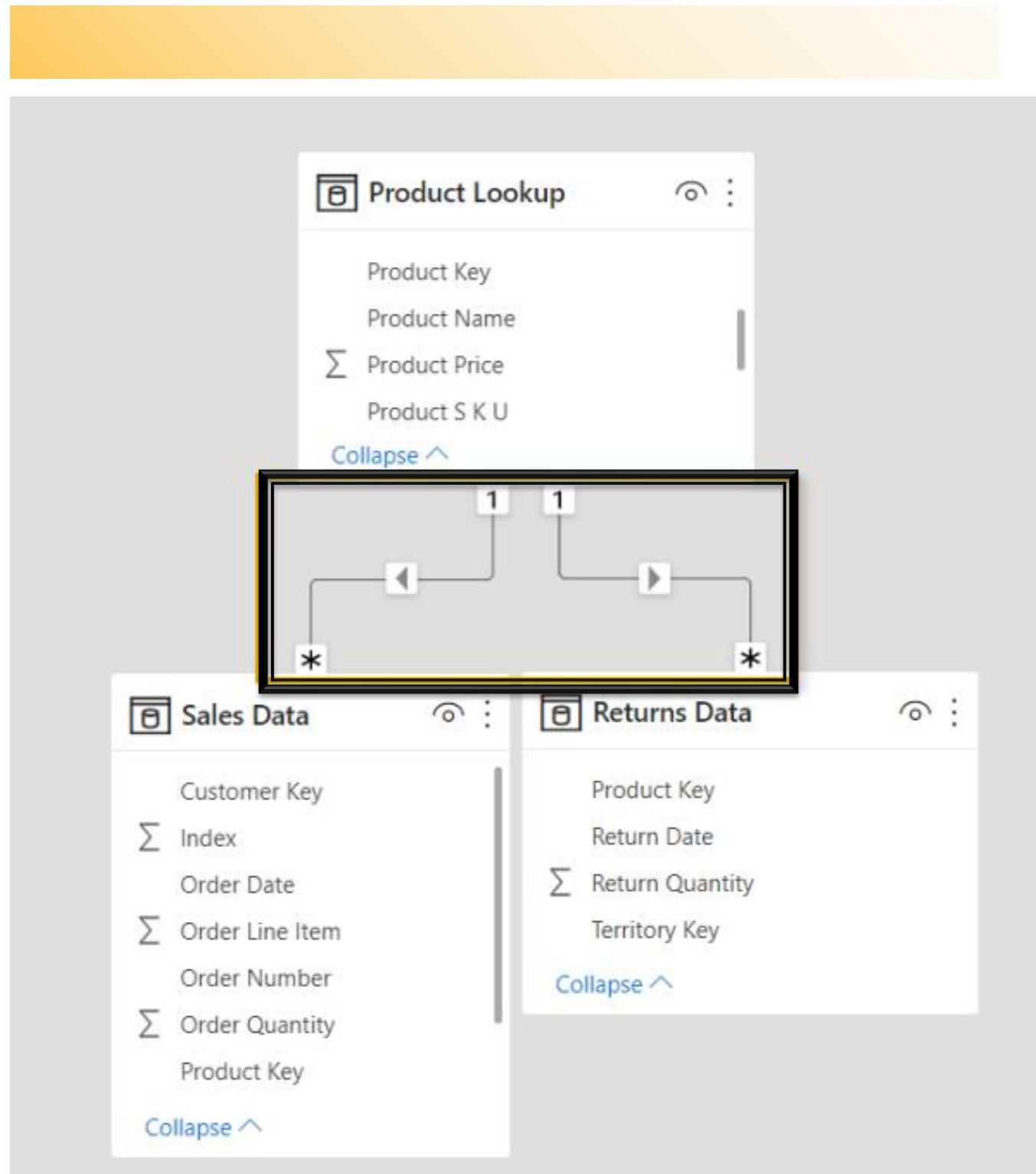
ProductName	OrderQuantity	ReturnQuantity
All-Purpose Bike Stand	84,174	1,828
AWC Logo Cap	84,174	1,828
Bike Wash - Dissolver	84,174	1,828
Cable Lock	84,174	1,828
Chain	84,174	1,828
Classic Vest, L	84,174	1,828
Classic Vest, M	84,174	1,828
Classic Vest, S	84,174	1,828
Fender Set - Mountain	84,174	1,828
Total	84,174	1,828





Power BI

Data Model



ProductName	OrderQuantity	ReturnQuantity
All-Purpose Bike Stand	234	8
AWC Logo Cap	4,151	46
Bike Wash - Dissolver	1,706	25
Classic Vest, L	182	4
Classic Vest, M	182	7
Classic Vest, S	157	8
Fender Set - Mountain	3,960	54
Half-Finger Gloves, L	840	18
Half-Finger Gloves, M	918	16
Total	84,174	1,828

