

Power Platform World Tour

PowerBIUG PowerAppsUG FlowUG



Power BI Development Best Practices

Martin Schoombee



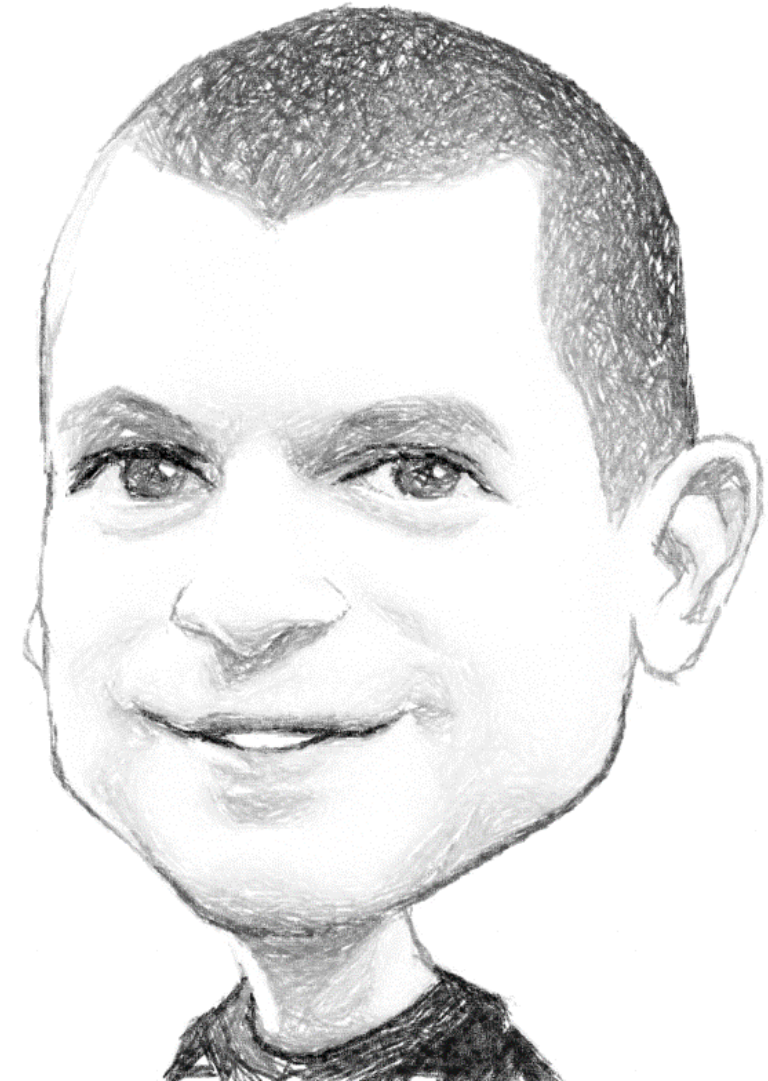
About Me

"I help people make sense of their data"

My blog: martinschoombee.com

My company: 28twelve.consulting

Tweet me: @MartinSchoombee



Agenda

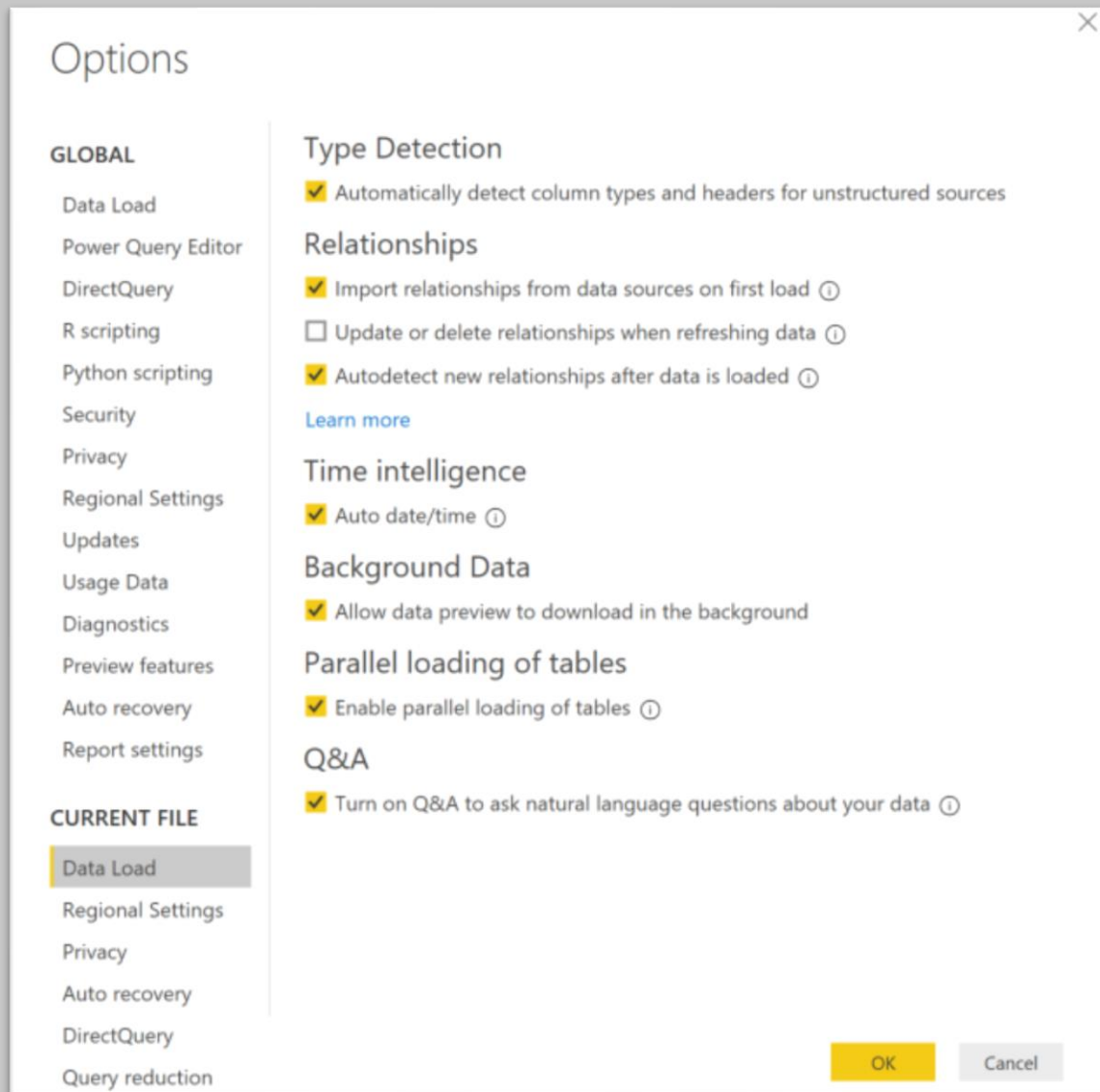
- Power BI Desktop Options
- Query Organization
- Connection Reuse
- Naming Conventions
- Queries
- Dates
- Entity\Table Design
- Aggregates & Measures
- Cross Filter Direction

Why Best Practices?

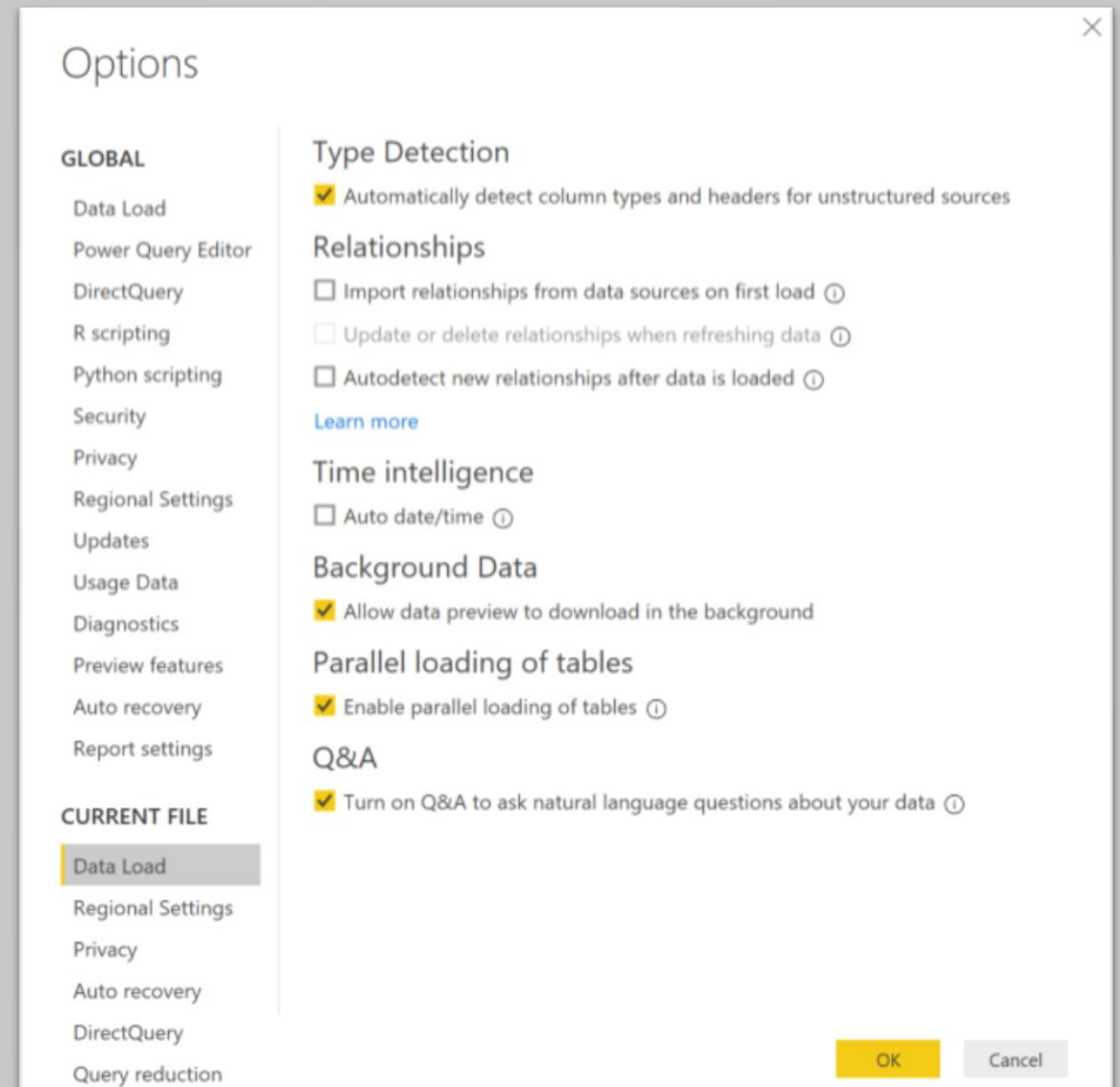




Power BI Desktop Options



Default




My Preference

A large audience is seated in a modern conference hall, facing a stage with multiple large presentation screens. The room has a high ceiling with recessed lighting and large windows on the right side. The audience is diverse in age and appearance, and many are looking towards the stage. The overall atmosphere is professional and focused.


Query Organization





▶  Source Connections [3]

▶  Functions [1]

▶  Dimensions [3]

▶  Intermediate Results [2]

▶  Facts [5]

▶  Other Queries [1]



Connection Reuse

Demo Time



A large audience is seated in a conference hall, facing a stage with presentation screens. The room has a high ceiling with recessed lighting and large windows on the right side. The audience is diverse in age and appearance, and many are looking towards the stage. The overall atmosphere is professional and focused.

Naming Conventions

DimCustomer



VS

Customer



Nr of Customers



VS

Customers



Active Flag



VS

Active



True/False



VS

Yes/No



A large audience is seated in a modern conference hall, facing a stage with multiple large presentation screens. The room has a high ceiling with recessed lighting and large windows on the right side. The audience is diverse in age and appearance, and many are looking towards the stage. The word "Queries" is overlaid in large, bold, black text in the center of the image.

Queries

Query Steps

1. Get Source Data
2. Filter
3. Remove Columns
4. <Anything Else>
5. Change Types
6. Rename Columns



Fold What?



Demo Time



Dates



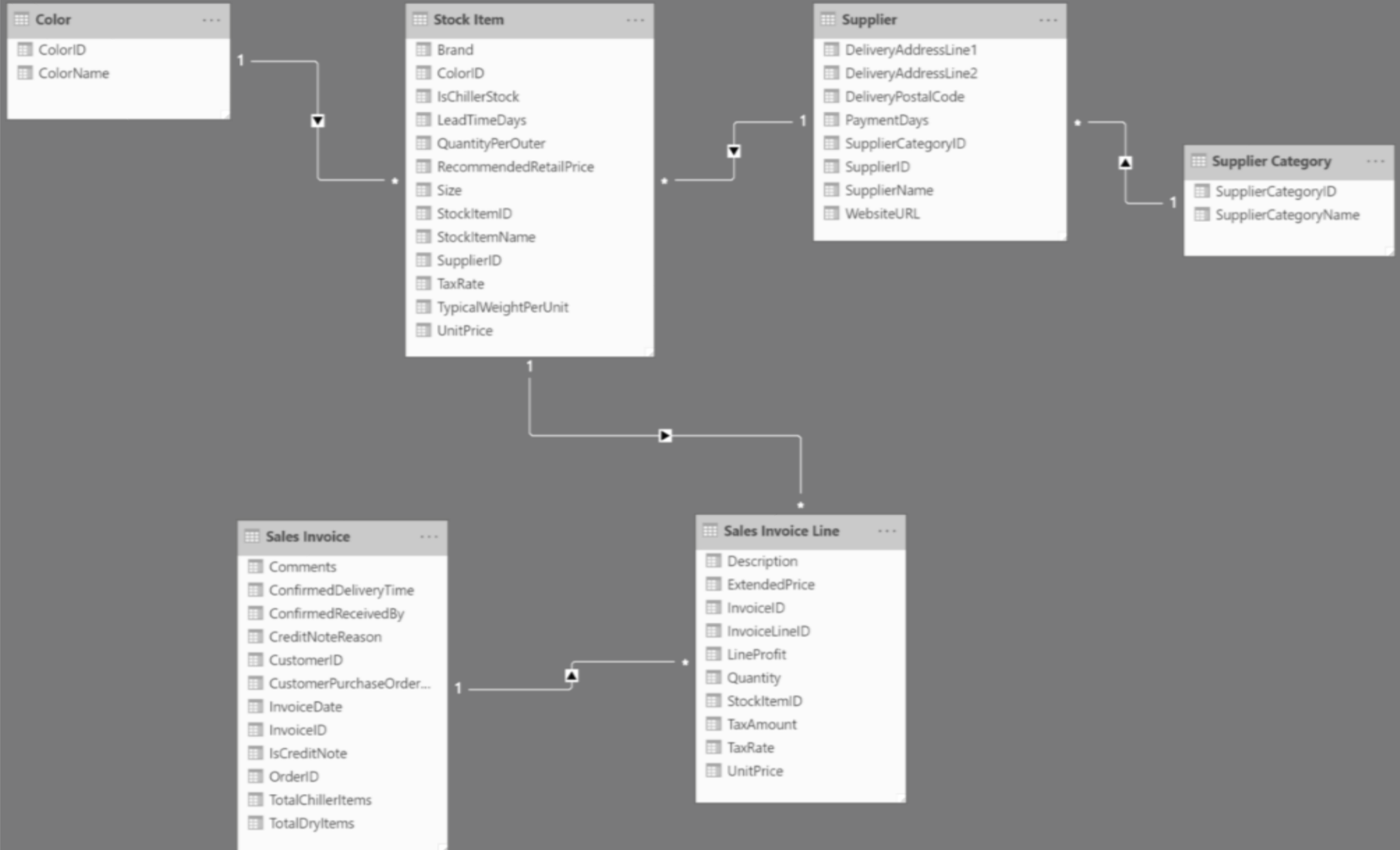
Demo Time



























Entity/Table Design



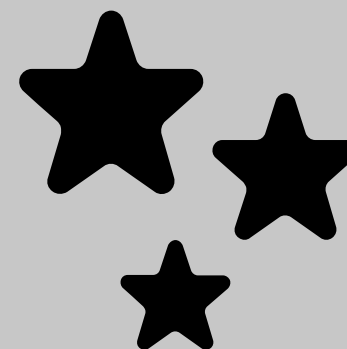


Stock Item	...
Brand	
ColorID	
ColorName	
IsChillerStock	
LeadTimeDays	
QuantityPerOuter	
RecommendedRetailPrice	
Size	
StockItemID	
StockItemName	
TaxRate	
TypicalWeightPerUnit	
UnitPrice	

Sales		...
	Comments	
	ConfirmedDeliveryTime	
	ConfirmedReceivedBy	
	CreditNoteReason	
	CustomerID	
	CustomerPurchaseOrderNumber	
	Description	
	ExtendedPrice	
	InvoiceDate	
	InvoiceID	
	InvoiceLineID	
	IsCreditNote	
	LineProfit	
	OrderID	
	Quantity	
	StockItemID	
	SupplierID	
	TaxAmount	
	TaxRate	
	TotalChillerItems	
	TotalDryItems	
	UnitPrice	

Supplier	...
DeliveryAddressLine1	
DeliveryAddressLine2	
DeliveryPostalCode	
PaymentDays	
SupplierCategoryID	
SupplierCategoryName	
SupplierID	
SupplierName	
WebsiteURL	







Aggregates vs. Measures

Demo Time



Measure Best Practices

- ALWAYS create measures
- DAX References
 - Attributes: Use entity name as prefix
 - Measures: No prefix
- Use Variables
 - Simplify DAX syntax
 - Improves readability
 - Could improve performance**

Filter Direction

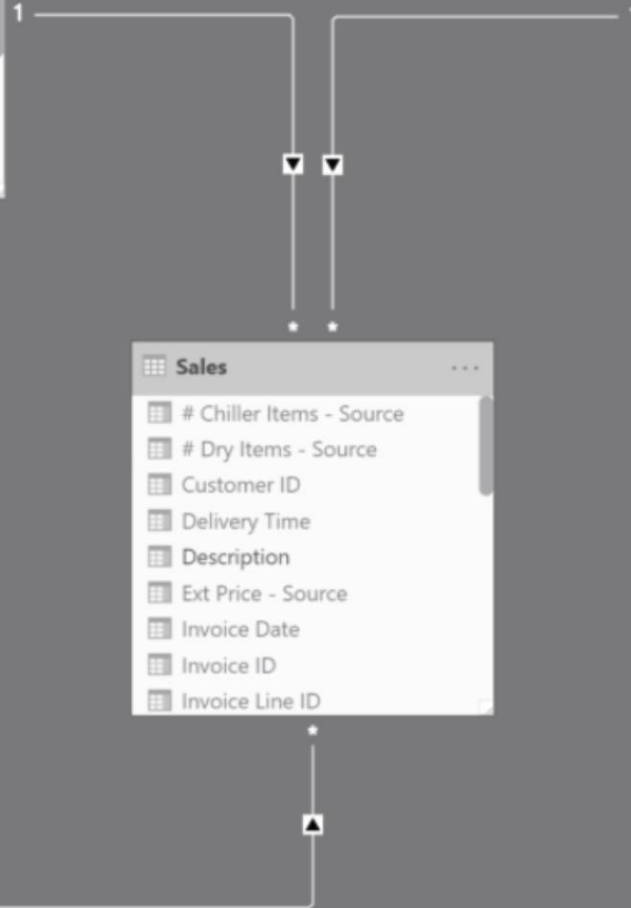


Product
Brand
Chiller Stock
Color
Color ID
Lead Time (Days)
Product Name
Quantity Per Outer
Retail Price
Size

Supplier
Address Line 1
Address Line 2
Payment Days
Postal Code
Supplier
Supplier Category
Supplier Category ID
Supplier ID
Website URL

Sales
Chiller Items - Source
Dry Items - Source
Customer ID
Delivery Time
Description
Ext Price - Source
Invoice Date
Invoice ID
Invoice Line ID

Date
CrossJoin ID
Date
Date Key
Day of Month
Day of Week
Day of Week Name
Month
Month Key



Demo Time



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