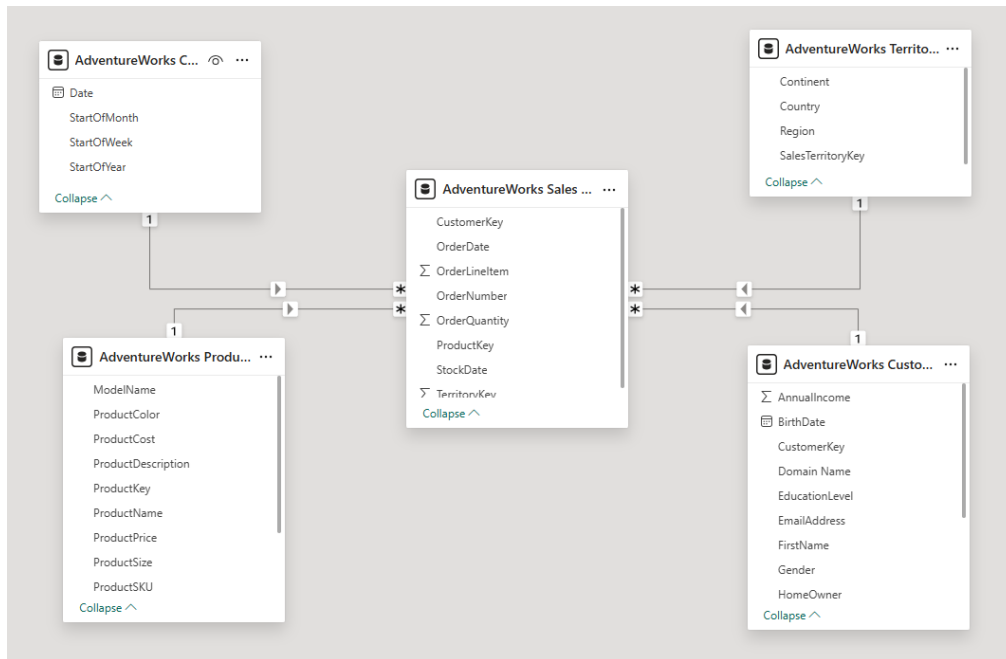
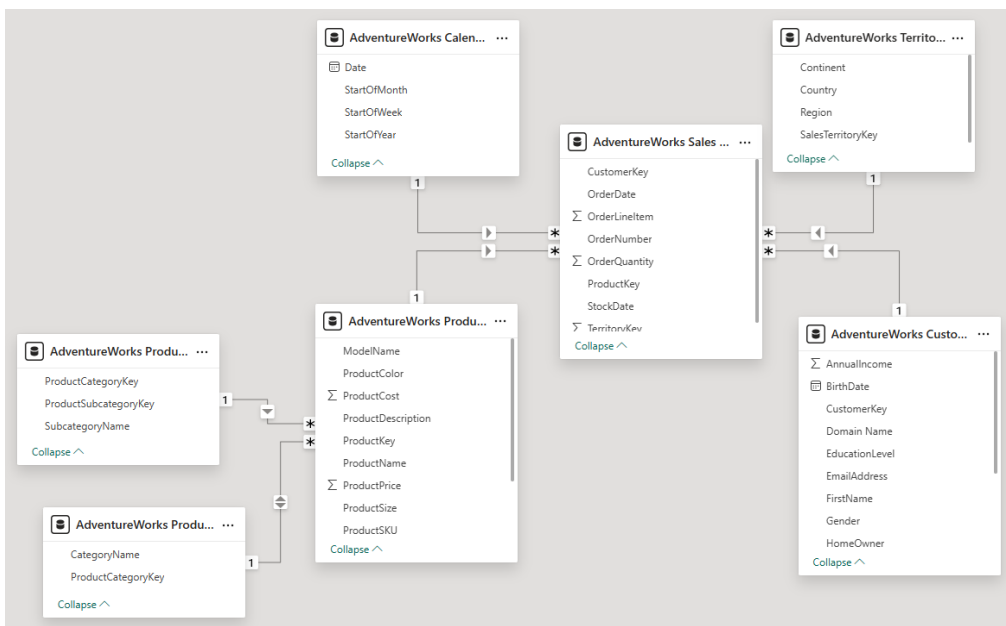


Data Modelling assignment

- Create a star schema by creating relationships between the Sales, Calendar, Customer, Product and Territories tables



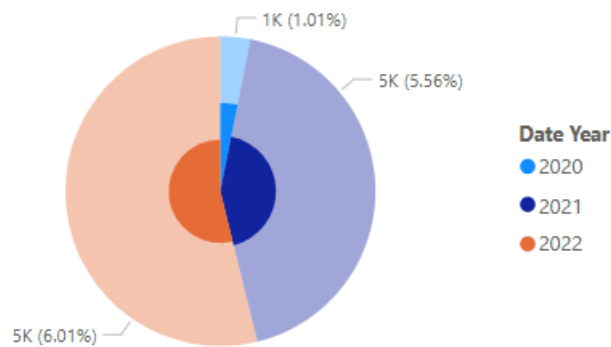
- Connect all three product tables (Product, Subcategory, Category) in a snowflake schema



- Use the matrix visual to confirm that you can filter Order Quantity values using fields from each dimension table.

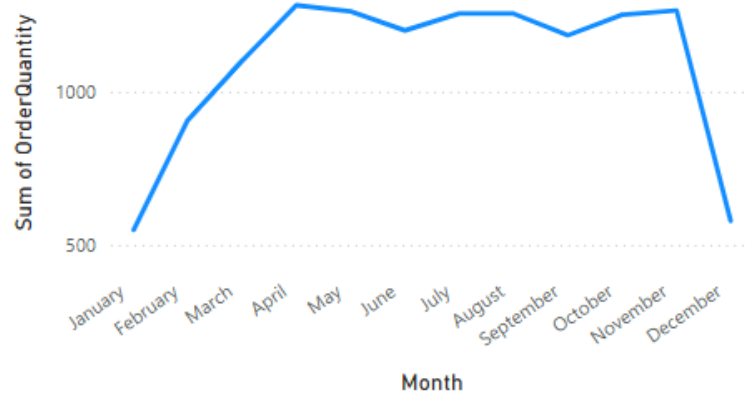
FirstName	Black	Blue	Multi	NA	Red	Silver	White	Yellow	Total
DALTON	57	14	26	320	13	22	9	24	485
EDUARDO	58	15	29	307	16	14	8	22	469
RICHARD	56	18	32	285	18	14	5	22	450
JENNIFER	38	13	24	298	13	17	8	24	435
KATHERINE	54	21	35	261	18	15	6	17	427
MARCUS	47	21	33	260	22	15	6	23	427
ISABELLA	59	20	34	246	16	13		25	413
MORGAN	55	24	35	241	15	13	1	26	410
Total	10590	3779	5756	51080	4011	3257	1063	4638	84174

Sum of OrderQuantity by Year

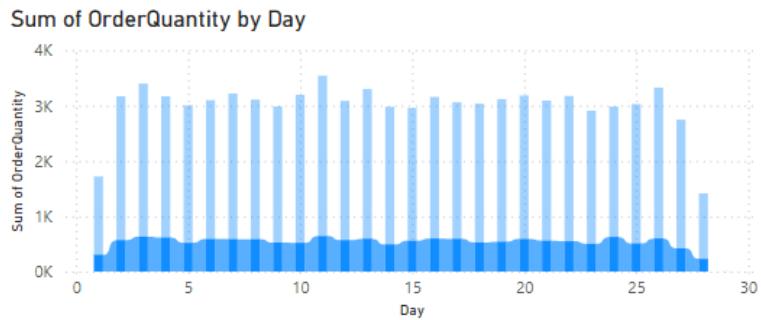


Country	Clerical	Management	Manual	Professional	Skilled Manual	Total
	13090	14688	9993	26622	19781	84174
Total	13090	14688	9993	26622	19781	84174

Sum of OrderQuantity by Month



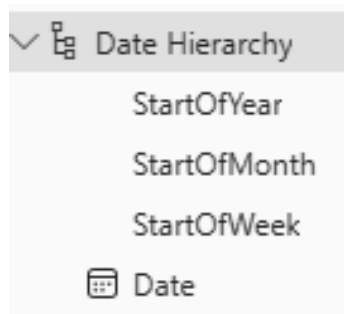
ProductCategoryKey	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fender
Total	302	234	15106	4151	1706	396
	302	234	15106	4151	1706	396



a) Creating Hierarchies

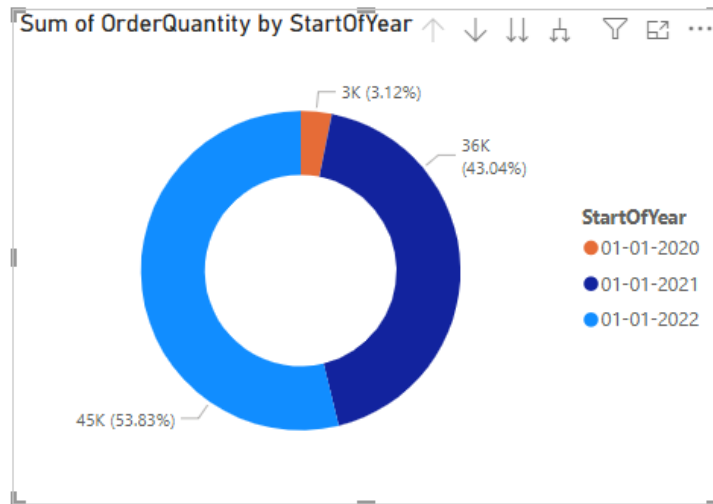
- Create a new hierarchy based on the Start of Year field, and name it “Date Hierarchy” Right-click or drag to add fields until your hierarchy contains the following (in this order):

Start of Year, Start of Month, Start of Week , Date

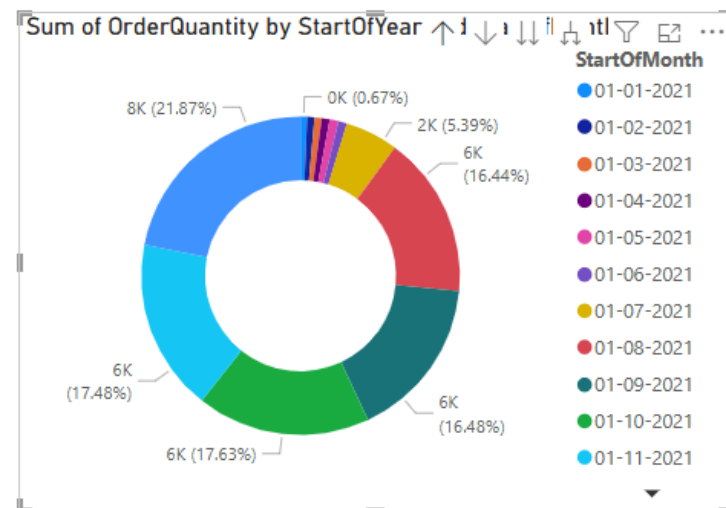


- Add your new hierarchy to the matrix visual (on rows) and practice drilling up and down between each level of granularity"

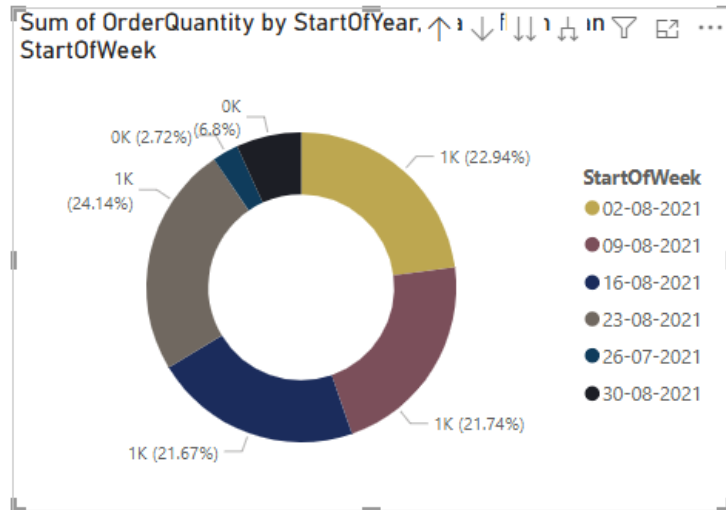
StartOfYear	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fenders	Gl
01-01-2022	167	116	8698	2394	949	2222	
01-01-2021	135	118	6408	1757	757	1738	
Total	302	234	15106	4151	1706	3960	



StartOfYear	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fenders	Gl
01-01-2021	135	118	6408	1757	757	1738	1
Total	135	118	6408	1757	757	1738	1



StartOfYear	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fenders	Glc
01-01-2021	25	20	1071	320	133	304	
Total	25	20	1071	320	133	304	



StartOfYear	Bike Racks	Bike Stands	Bottles and Cages	Caps	Cleaners	Fenders	Glc
01-01-2021	10	5	256	78	20	66	
Total	10	5	256	78	20	66	

