

Dataset Source.

Q Search

ARPI T MISHRA · UPDATED 2 YEARS AGO

59

<> Code

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AmazonSalesReport

In this project I am doing basic EDA on Amazon Sales .

Data Card

Code (20)

Discussion (1)

Suggestions (0)

About Dataset

Amazon Sales Report

Overview:

This dataset provides detailed sales data from Amazon, offering a comprehensive look at various product categories and their performance over time. It includes information on sales figures, order details, product categories, and customer demographics.

Features:

1. Order ID

Description: A unique identifier for each order placed on Amazon. This field helps to track individual orders and link related records.


2. Dates

Usability 10.00

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Expected update frequency Never

Tags Business Tabular Transportation Beginner Social Science



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AmazonSalesReport

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Data Card

Code (20)

Discussion (1)

Suggestions (0)

over time. It includes information on sales figures, order details, product categories, and customer demographics.

Features:

1. Order ID

Description: A unique identifier for each order placed on Amazon. This field helps to track individual orders and link related records.

2. Dates

Description: The date when the order was placed. This field is crucial for analyzing sales trends over time and identifying seasonal patterns.

3. Status

Description: The current status of the order (e.g., Shipped, Delivered, Pending). This field provides insight into the order fulfillment process and helps monitor order processing efficiency.

4. Fulfillment

View more

Never

Tags Business Tabular Transportation Beginner Social Science E-Commerce Services pandas Matplotlib

Promoted first row as headers and changed the type of columns.

Table

Any Column

Text Column

Number Column

Date & Time Column

Scripts

Queries [1]

Amazon Sale Report

Table.TransformColumnTypes(*Promoted Headers*, [{"index", Int64.Type}, {"Order ID", type text}, {"Date", type date}, {"Status", type text}, {"Fulfillment", type text}, {"Sales Channel", type text}, {"ship-serv", type text}])

index

Order ID

Date

Status

Fulfillment

Sales Channel

ship-serv

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

Valid 100%

Error 0%

Empty 0%

977 distinct, 954 unique

922 distinct, 857 unique

1 distinct, 0 unique

5 distinct, 1 unique

2 distinct, 0 unique

2 distinct, 1 unique

2 distinct, 0 unique

1

0

405-8078784-5731545

4/30/2022

Cancelled

Merchant

Amazon.in

Standard

2

1

171-9198151-1101146

4/30/2022

Shipped - Delivered to Buyer

Merchant

Amazon.in

Standard

3

2

404-0687676-7273146

4/30/2022

Shipped

Amazon

Amazon.in

Expedited

4

3

403-9615377-8133951

4/30/2022

Cancelled

Merchant

Amazon

Amazon.in

Standard

5

4

407-1069790-7240320

4/30/2022

Shipped

Amazon

Amazon.in

Expedited

Query Settings

Amazon Sale Report

Properties

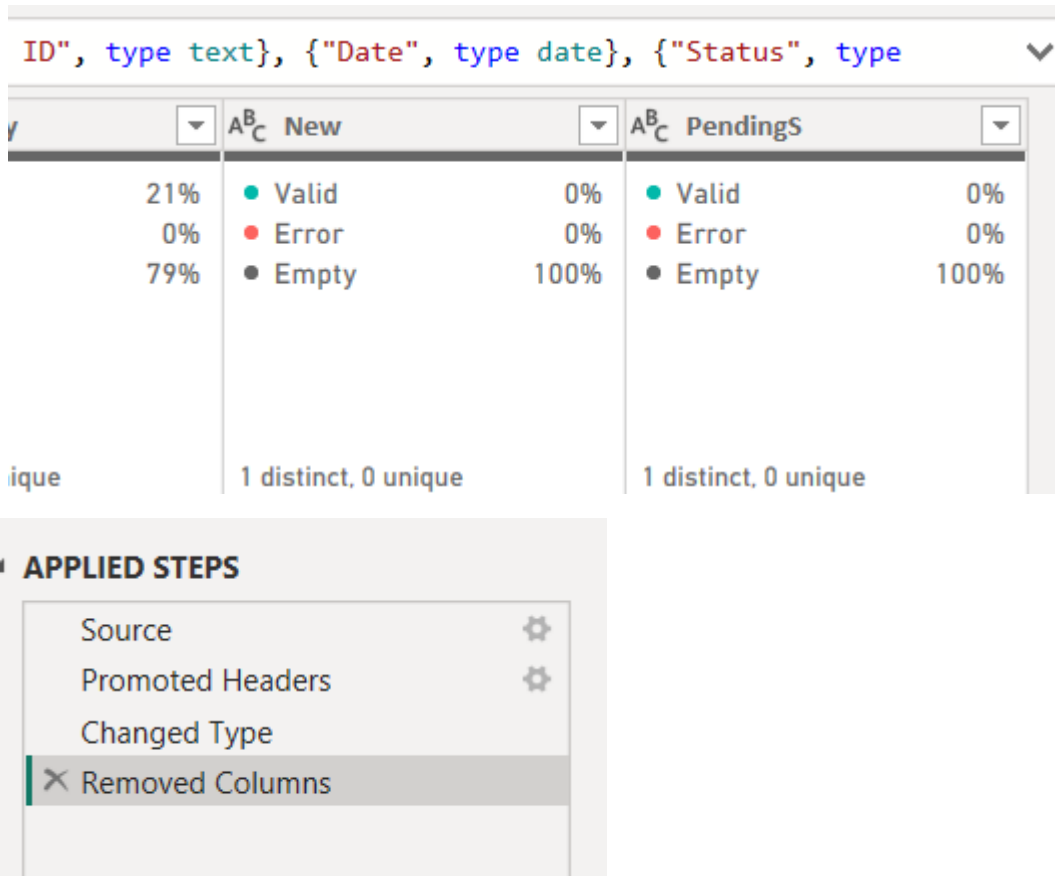
Applied Steps

Source

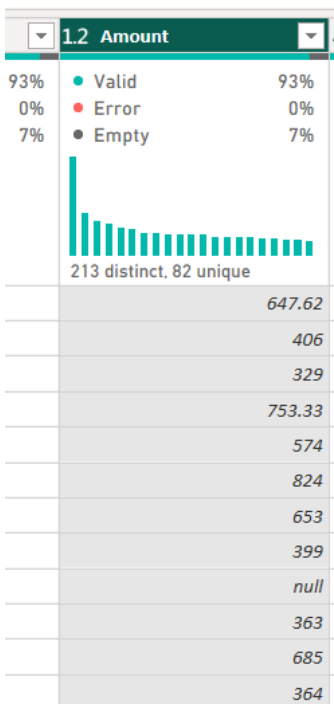
Promoted Headers

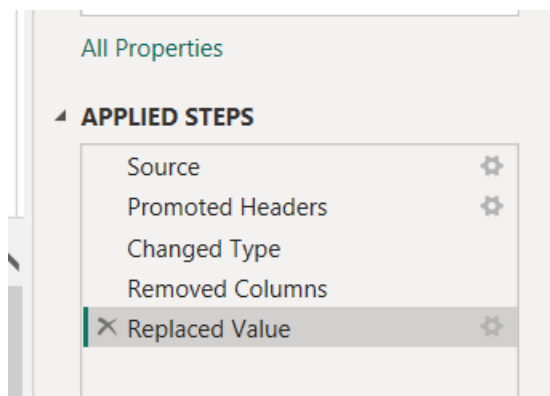
Changed Type

Removed empty columns

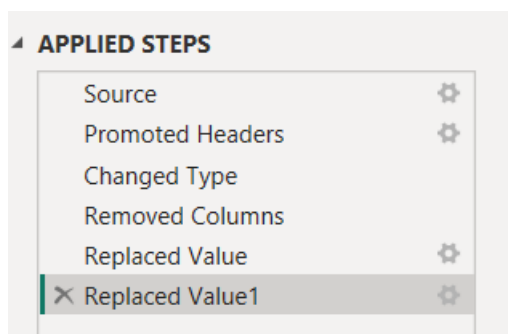
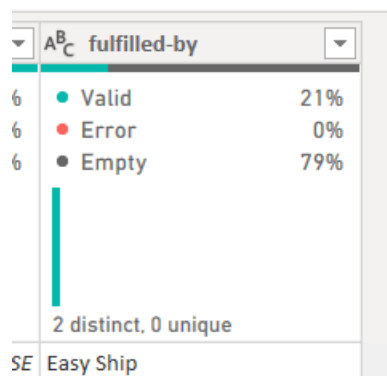


Replaced null values in amount to 0 as they correlate to canceled orders




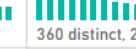



Changing nulls in the fulfilled by column with Amazon



Capitalized each word in the ship city column


```
lancer.ReplaceValue,{"fulfilled-by"})
```

	$A_C^{B_C}$ ship-city	$A_C^{B_C}$ ship
100%	Valid	100%
0%	Error	0%
0%	Empty	0%
		
647.62	MUMBAI	MAHARASHTRA
406	BENGALURU	KARNATAKA
329	NAVI MUMBAI	MAHARASHTRA
753.33	PUDUCHERRY	PUDUCHERRY
574	CHENNAI	TAMIL NADU
824	GHAZIABAD	UTTAR PRADESH
658	CHANDIGARH	CHANDIGARH

A ^B C ship-city		A ^B C s
Valid	100%	Valid
Error	0%	Error
Empty	0%	Empty
<p>324 distinct, 210 unique</p>		<p>33 distinct</p>
2	Mumbai	M
5	Bengaluru	K
9	Navi Mumbai	M
3	Puducherry	P
4	Chennai	T
4	Ghaziabad	U
3	Chandigarh	C
9	Hyderabad	T
7	Hyderabad	T

▲ PROPERTIES

Name

Amazon Sale Report

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

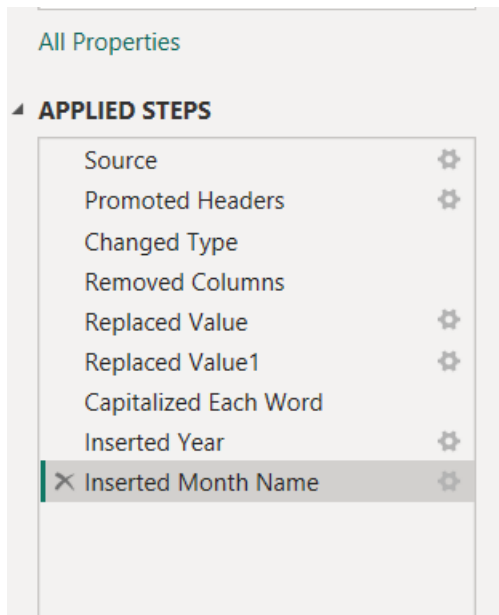
Removed Columns

Replaced Value

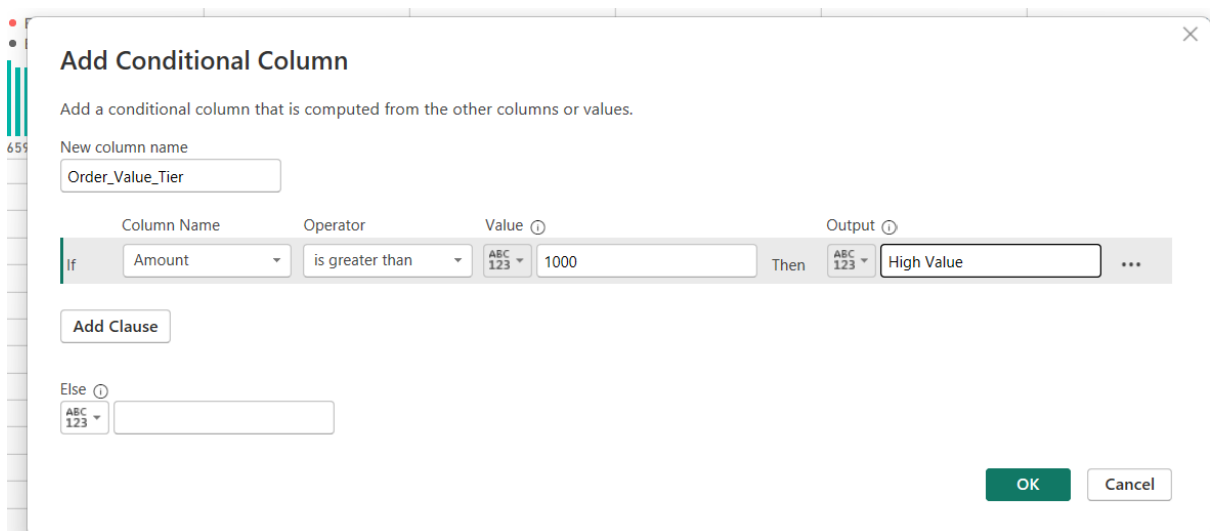
Replaced Value1

✕ Capitalized Each Word

Inserted year and month name columns



Inserting conditional column



▼

ABC123

Order_Value_Tier

▼

100%	● Valid	100%
0%	● Error	0%
0%	● Empty	0%

Low

Low

Low

Low

Low

Low

Low

Low

Low

Low

▲

PROPERTIES

Name

Amazon Sale Report

All Properties

APPLIED STEPS

Source

Promoted Headers

Changed Type

Removed Columns

Replaced Value

Replaced Value1


Capitalized Each Word


Inserted Year

Inserted Month Name

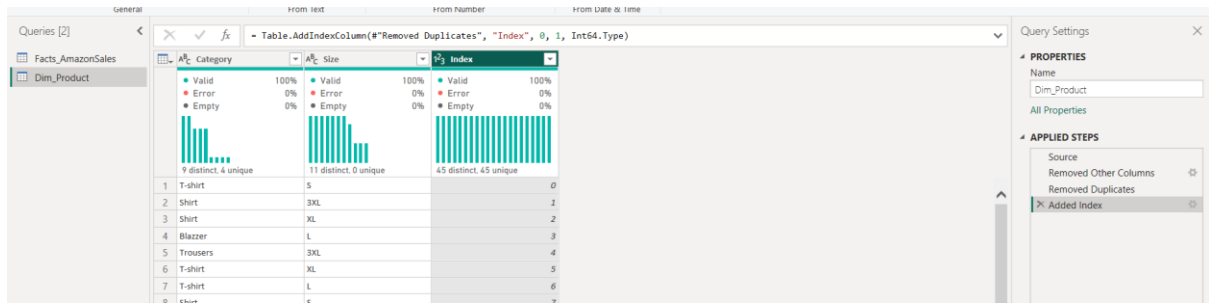
✕ Added Conditional Column

Renamed the query

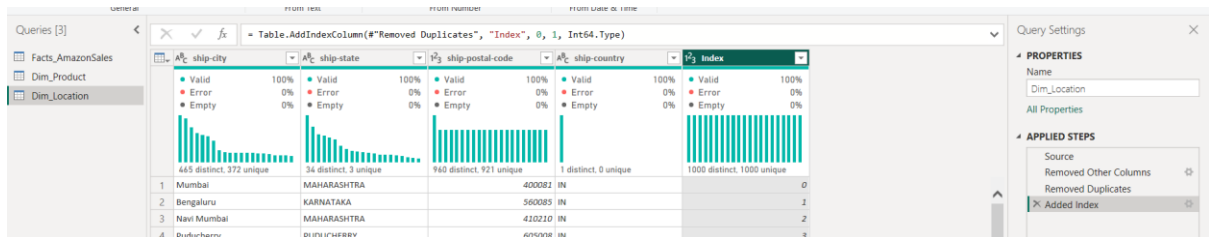
Queries [1] 

 Facts_AmazonSales

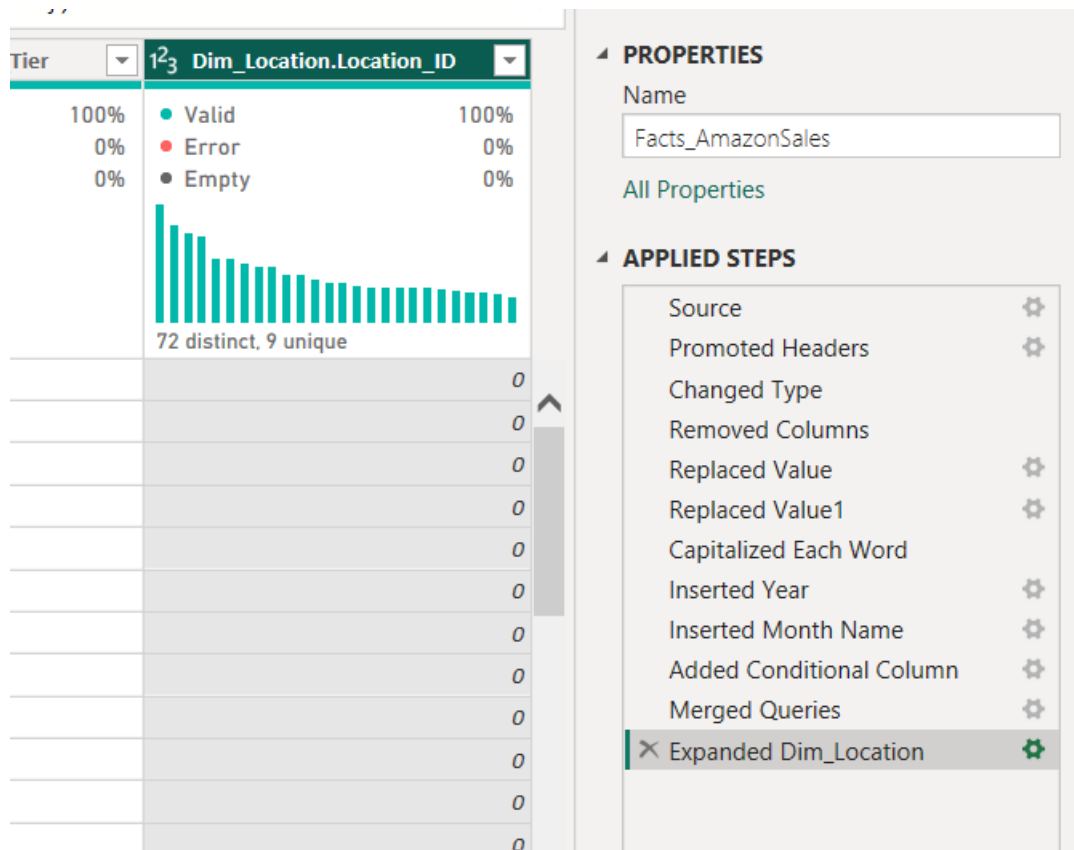
Created dim_product table by referencing facts_amazon_table and removed all column except category and size. And then removed duplicates and then added an index column



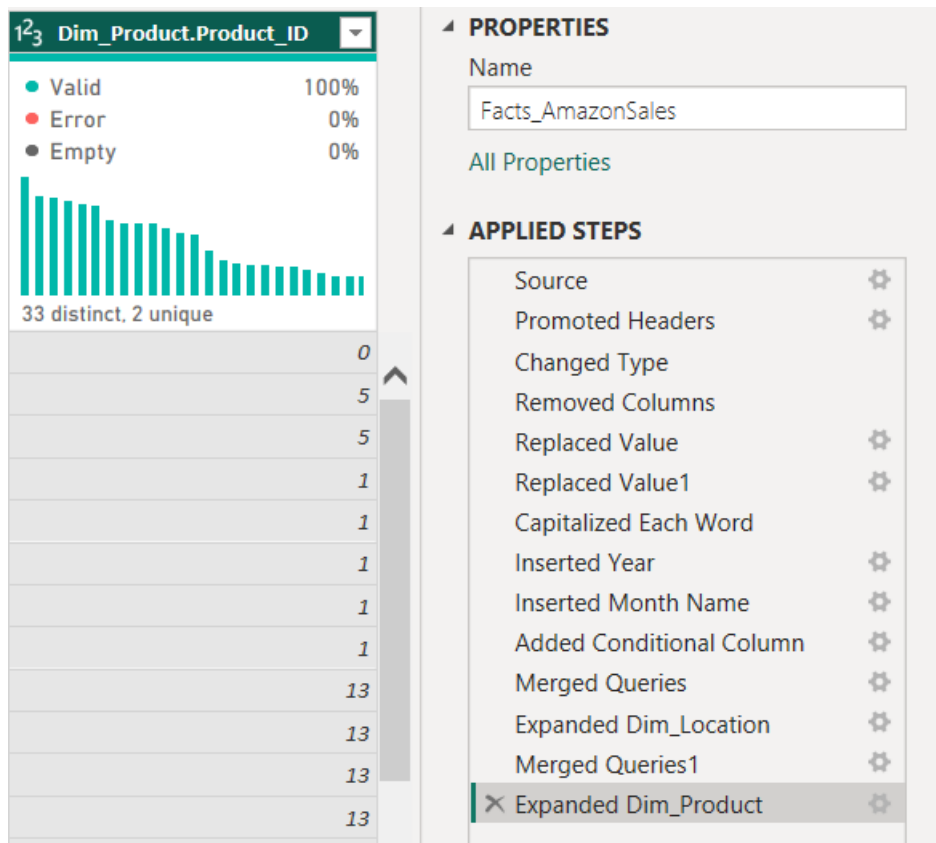
Created dim_location table by referencing facts_amazon_table and removed all column except ship city, ship state, ship postal code, and ship country. And then removed duplicates and then added and index column



Merged the dim_location table to main table and expanded to keep location id for relationship in data modeling.



Merged the dim_product table to main table and expanded to keep product id for relationship in data modeling.



Now that i have the id columns I removed the redundant columns.

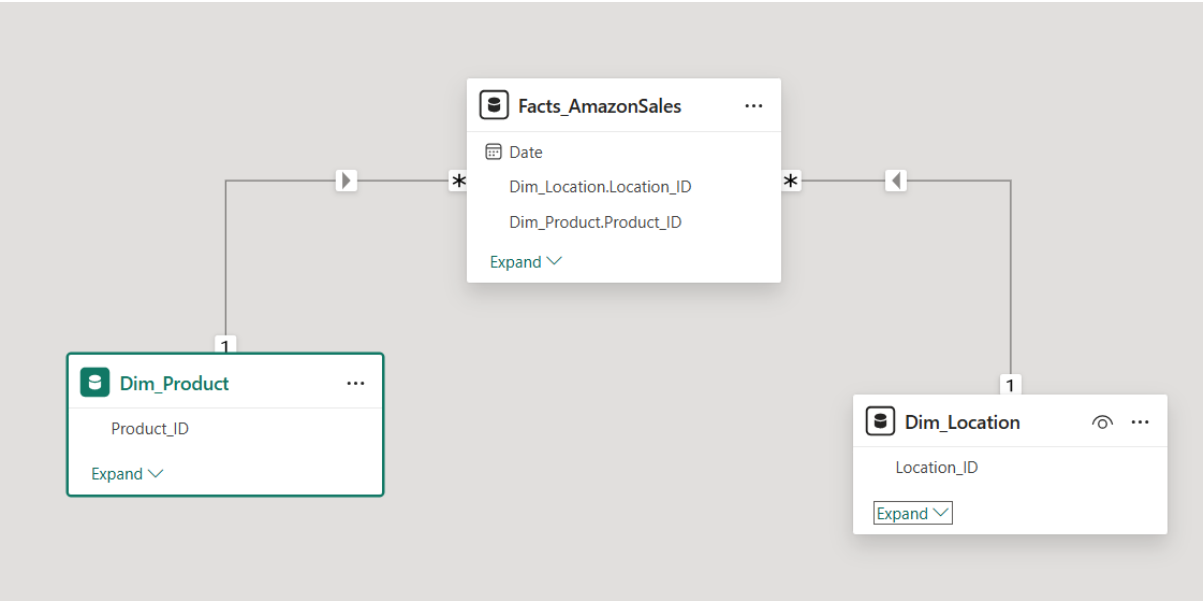
es1
te
d
or
oty
inct

Product	Unit	Price	Quantity	Total
Product A	100	10	100	1000
Product B	200	20	200	4000
Product C	300	30	300	9000
Product D	400	40	400	16000
Product E	500	50	500	25000
Product F	600	60	600	36000
Product G	700	70	700	49000
Product H	800	80	800	64000
Product I	900	90	900	81000
Product J	1000	100	1000	100000

OK Cancel

Data modeling.

Model view



Relationship between facts table and Dim_product.

Edit relationship

Select tables and columns that are related.

From table

Facts_AmazonSales

Amount	B2B	Courier Status	currency	Date	Dim_Location...	Dim_Prod
399	false	Shipped	INR	Wednesday, ...	2	14
399	false	Shipped	INR	Friday, April 2...	15	14
399	false	Shipped	INR	Friday, April 2...	19	14

To table

Dim_Product

Category	Product_ID	Size
T-shirt	0	S
Shirt	1	3XL
Shirt	2	XL

Cardinality

Many to one (*:1)

Cross-filter direction

Single

☒ Make this relationship active

☐ Apply security filter in both directions

☐ Assume referential integrity

Save

Cancel

Relationship between facts table and din location

Edit relationship



Select tables and columns that are related.

From table

Facts_AmazonSales

▼

Amount	B2B	Courier Status	currency	Date	Dim_Locatio...	Dim_Prodt
399	false	Shipped	INR	Wednesday, ...	2	14
399	false	Shipped	INR	Friday, April 2...	15	14
399	false	Shipped	INR	Friday, April 2...	19	14

To table

Dim_Location

▼

Location_ID	ship-city	ship-country	ship-postal-c...	ship-state
766	Ernakulam	IN	682017	KERALA
776	Ernakulam	IN	686664	KERALA
1087	Ernakulam	IN	682039	KERALA

Cardinality

Many to one (*:1)

▼

Cross-filter direction

Single

▼

☒ Make this relationship active

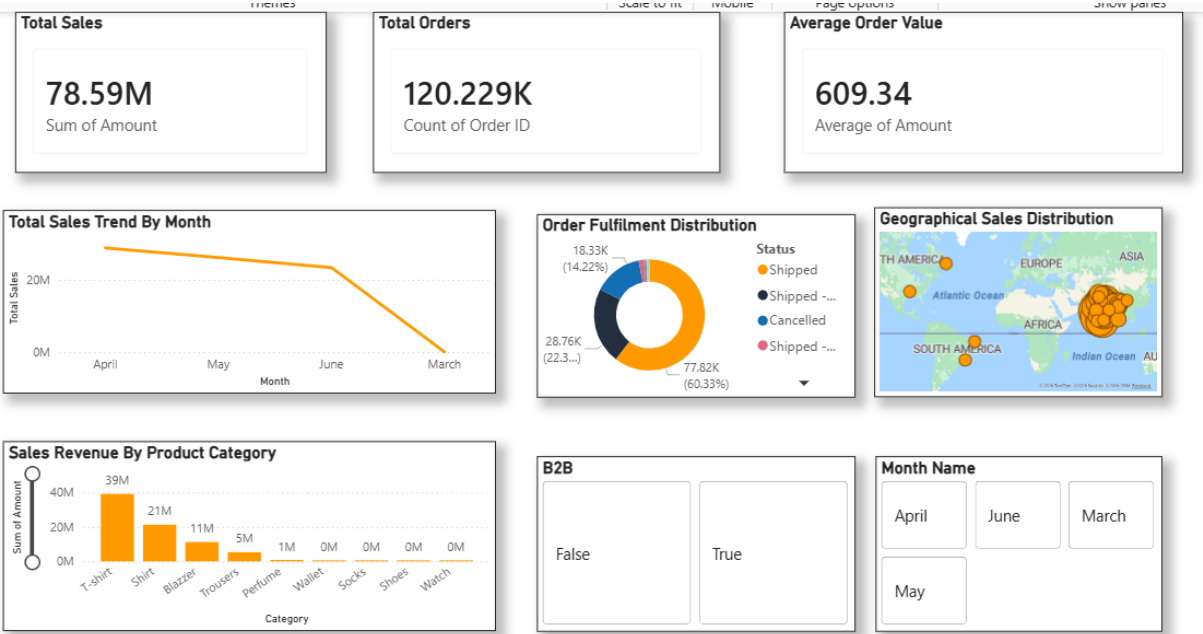
☐ Apply security filter in both directions

☐ Assume referential integrity

Save

Cancel

Dashboard screenshot



<https://app.powerbi.com/view?r=eyJrljojNWY1NDYxNTUtYjc5Ny00YTU3LWVhMjgtZTNiYWNIYzZkMTE4IiwidCI6IjE2ZDgZWU2LTI1NGEtNDY5ZC1hNmNjLTU0ZTJjYTIzMTNINyIsImMiOiJh9>