PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-2

Date	4 NOVEMBER 2022
TEAM ID	PNT2022TMID12427
PROJECT NAME	GLOBAL SALES DATA ANALYTICS

SPRINT 2 FUNCTIONAL REQUIREMENT

- UPLOAD DATASET
- DATA

PREPARATION

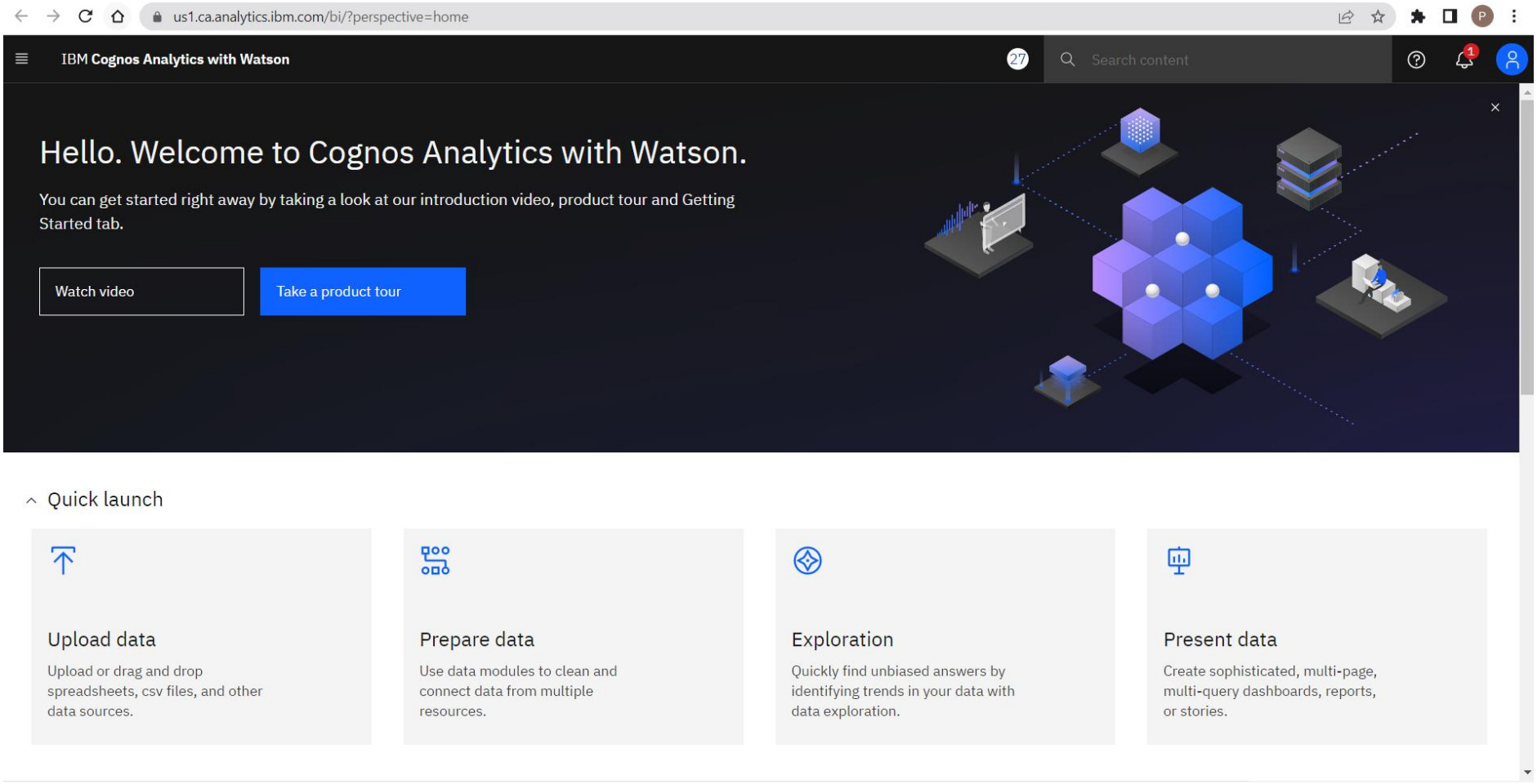
DATA EXPLORATION

UPLOAD DATASET:

DOWNLOAD THE DATASET: https://www.kaggle.com/datasets/apoorvaappz/global-super-store-dataset

 OPEN IBM COGNOS DASHBOARD AND CLICK THE UPLOAD DATA AND UPLOAD THE DATASET FILE

UPLOAD DATA:


us1.ca.analytics.ibm.com/bi/?perspective=home
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Hello. Welcome to Cognos Analytics with Watson.
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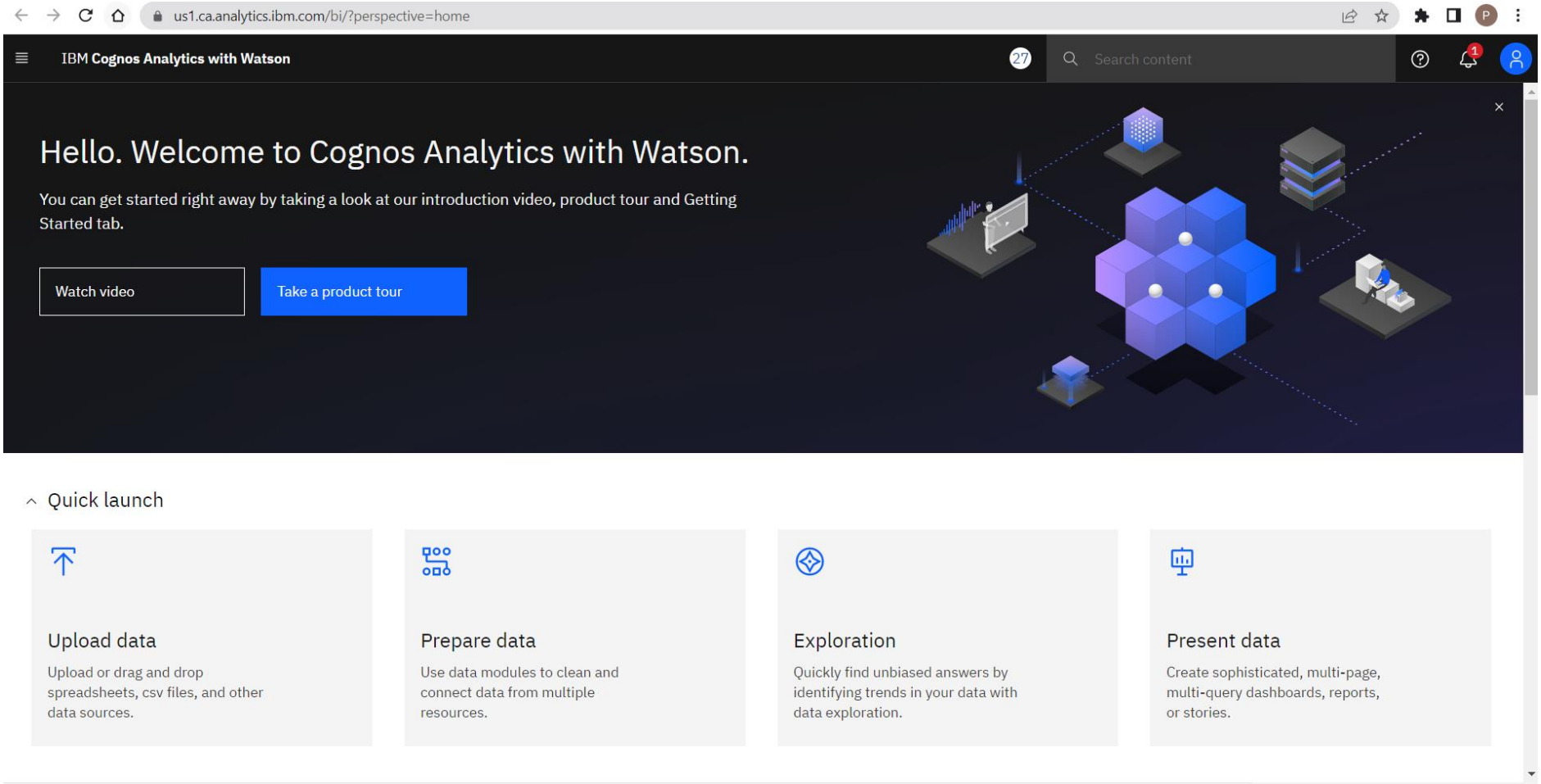
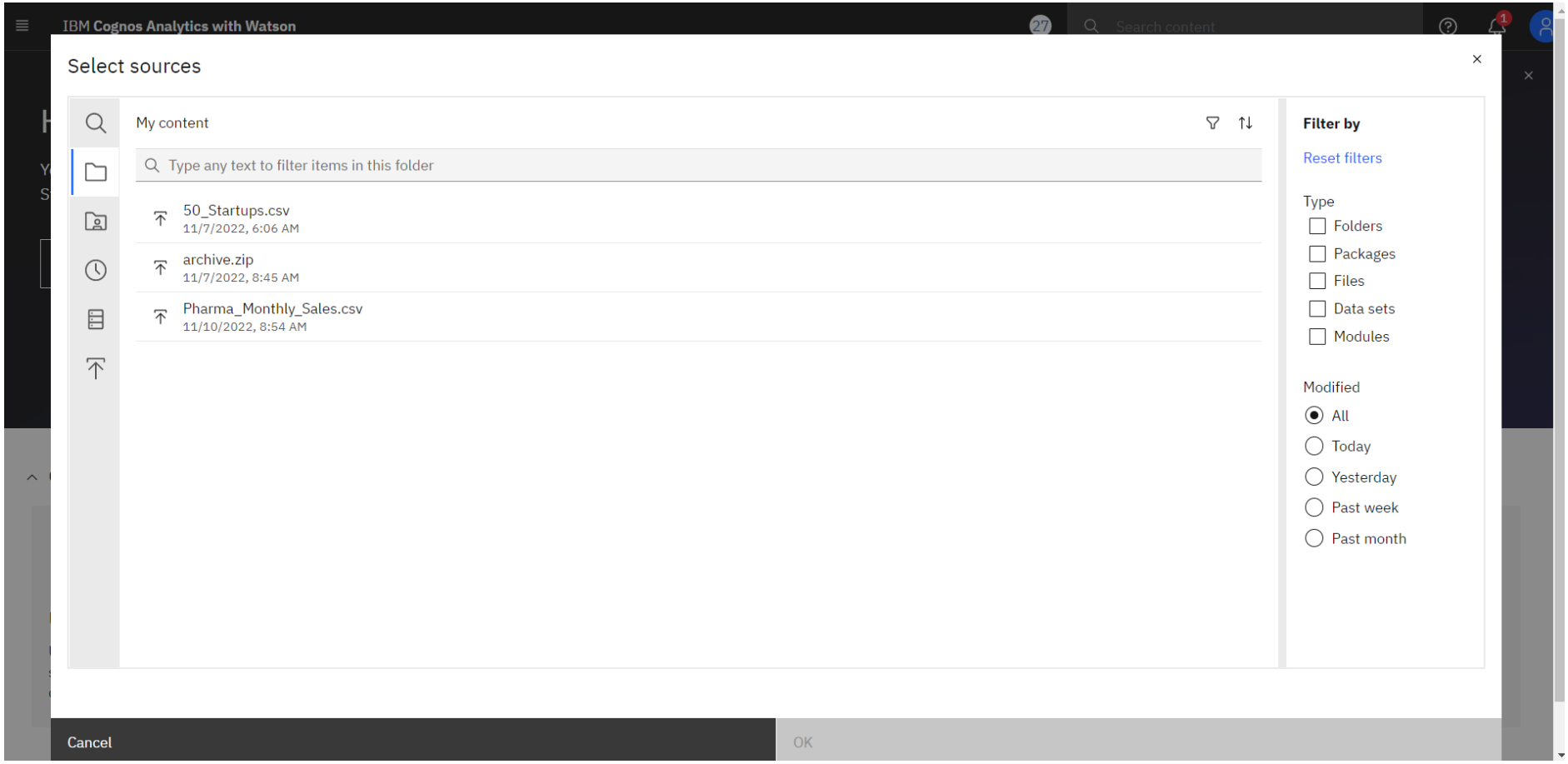
Upload data
Upload or drag and drop spreadsheets, csv files, and other data sources.
Prepare data
Use data modules to clean and connect data from multiple resources.
Exploration
Quickly find unbiased answers by identifying trends in your data with data exploration.
Present data
Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

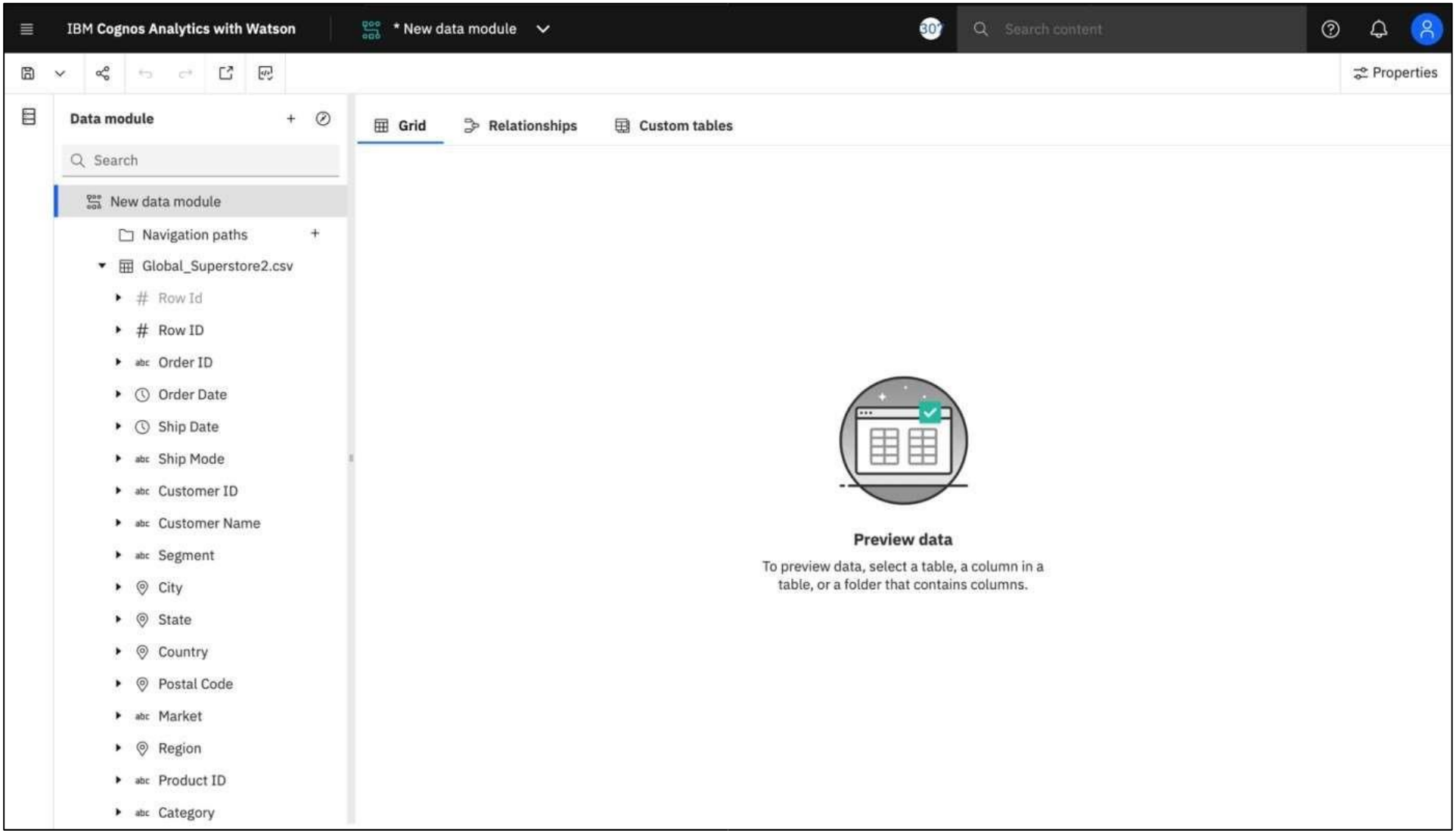
DATA PREPARATION:



STEP 2: SELECT THE UPLOAD DATASET FROM THE CONTENT MENU

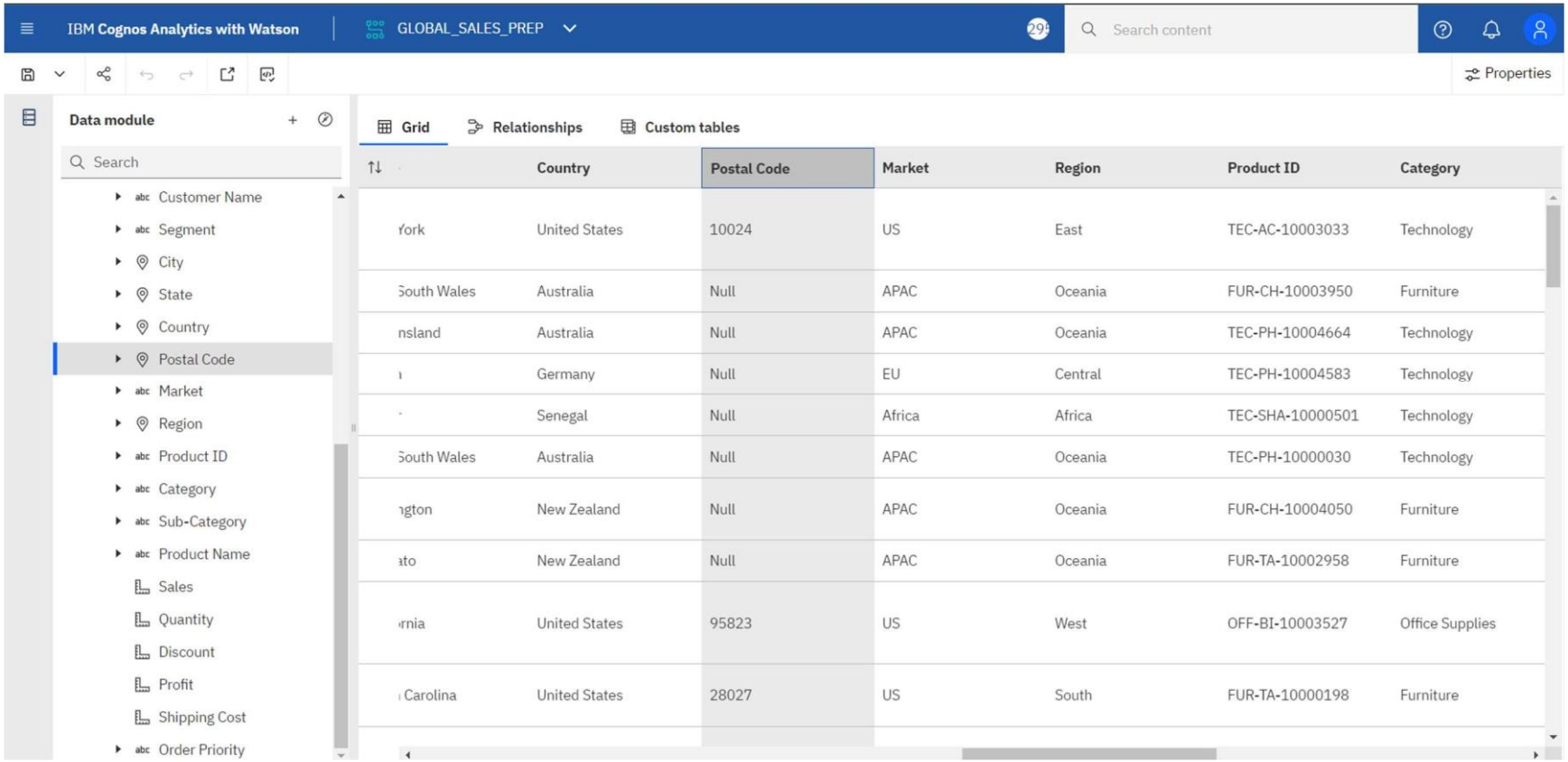


STEP 3 : PREPARATION OF THE DATA

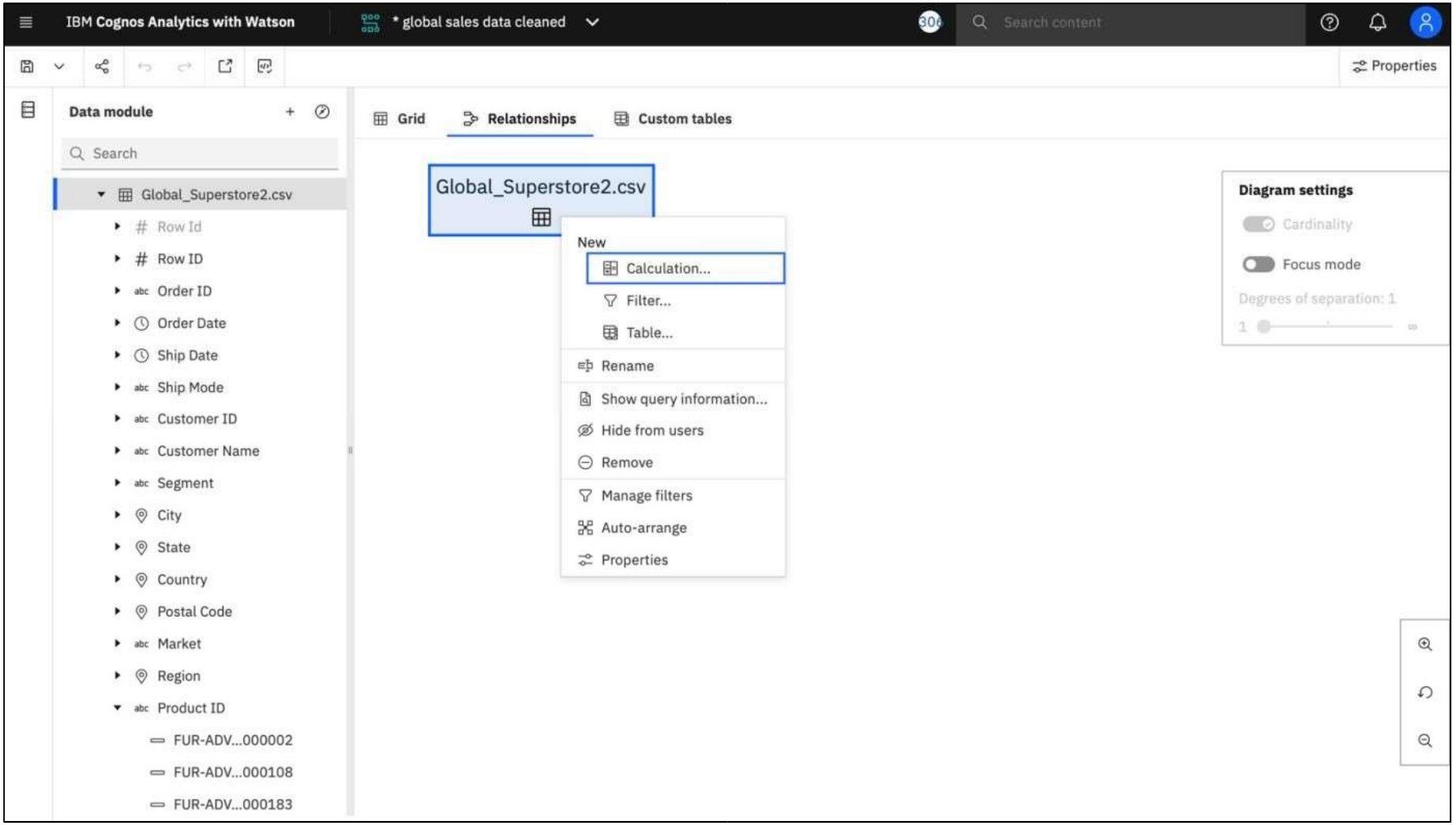


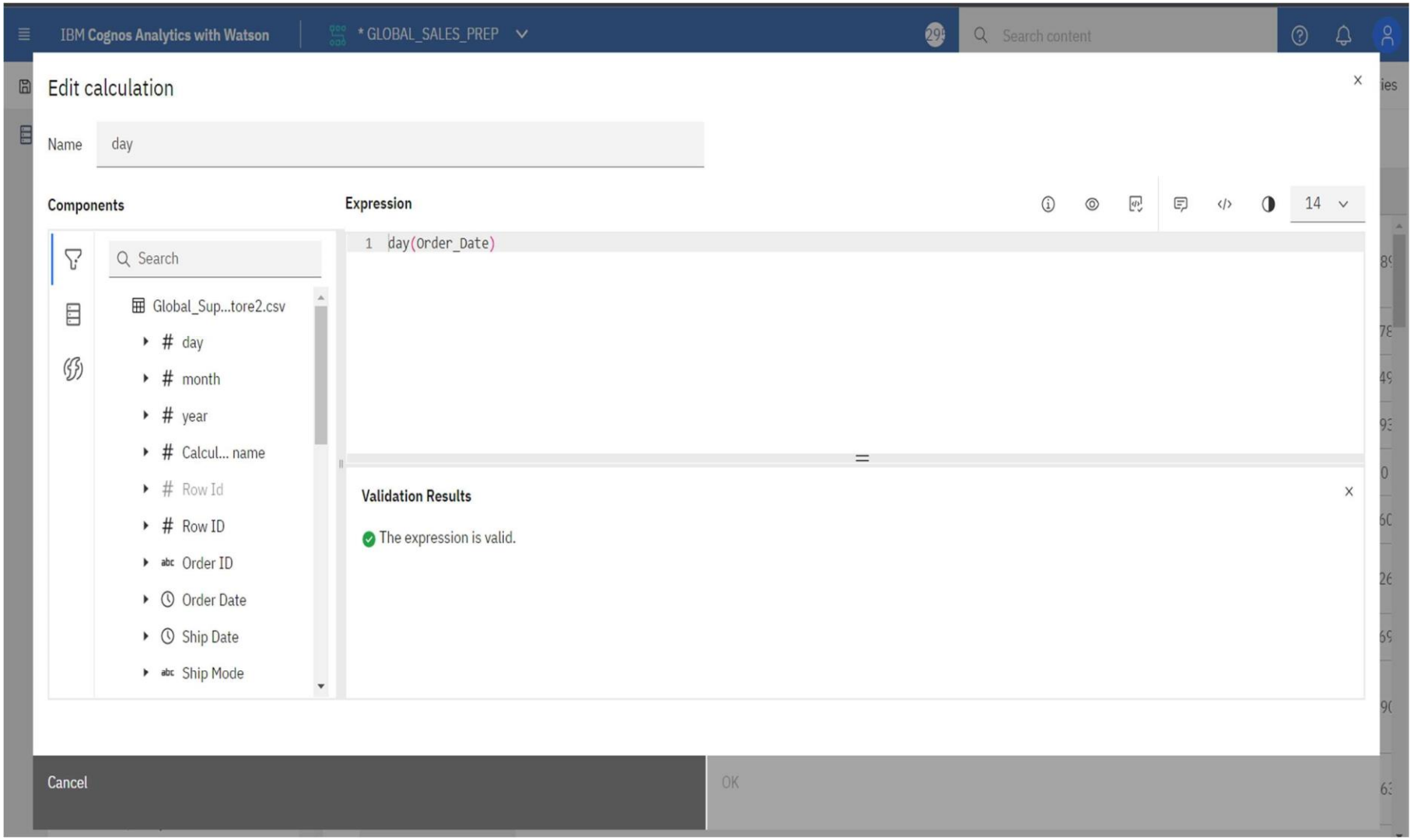
STEP 4: ONCE YOU LOAD THE DATA, WE NEED TO PREPARE THE DATA.

A. REMOVE THE NULL VALUES
B. PREPARE CALCULATIONS OF YEAR, MONTH, DAY FIELDS AND ALSO THE RELATED NAVIGATION PATH
C. CREATE A FEW MORE CALCULATIONS – TARGET SALES, MIN SALES, MAX SALES, MIDDLE RANGE SALES


IBM Cognos Analytics with Watson
GLOBAL_SALES_PREP
Search content
Properties
Data module
Search
Customer Name
Segment
City
State
Country
Postal Code
Market
Region
Product ID
Category
Sub-Category
Product Name
Sales
Quantity
Discount
Profit
Shipping Cost
Order Priority
Grid
Relationships
Custom tables
Country
Postal Code
Market
Region
Product ID
Category
York United States 10024 US East TEC-AC-10003033 Technology
South Wales Australia Null APAC Oceania FUR-CH-10003950 Furniture
nsland Australia Null APAC Oceania TEC-PH-10004664 Technology
Germany Null EU Central TEC-PH-10004583 Technology
Senegal Null Africa Africa TEC-SHA-10000501 Technology
South Wales Australia Null APAC Oceania TEC-PH-10000030 Technology
ngton New Zealand Null APAC Oceania FUR-CH-10004050 Furniture
ato New Zealand Null APAC Oceania FUR-TA-10002958 Furniture
rnia United States 95823 US West OFF-BI-10003527 Office Supplies
Carolina United States 28027 US South FUR-TA-10000198 Furniture

CREATE CALCULATION TO MAKE DATEPREPRED




IBM Cognos Analytics with Watson
* GLOBAL_SALES_PREP
Search content
Edit calculation
Name
day
Components
Expression
14
Search
Global_Sup...tore2.csv
day
month
year
Calcul... name
Row Id
Row ID
Order ID
Order Date
Ship Date
Ship Mode
1 day(Order_Date)
Validation Results
The expression is valid.
Cancel
OK

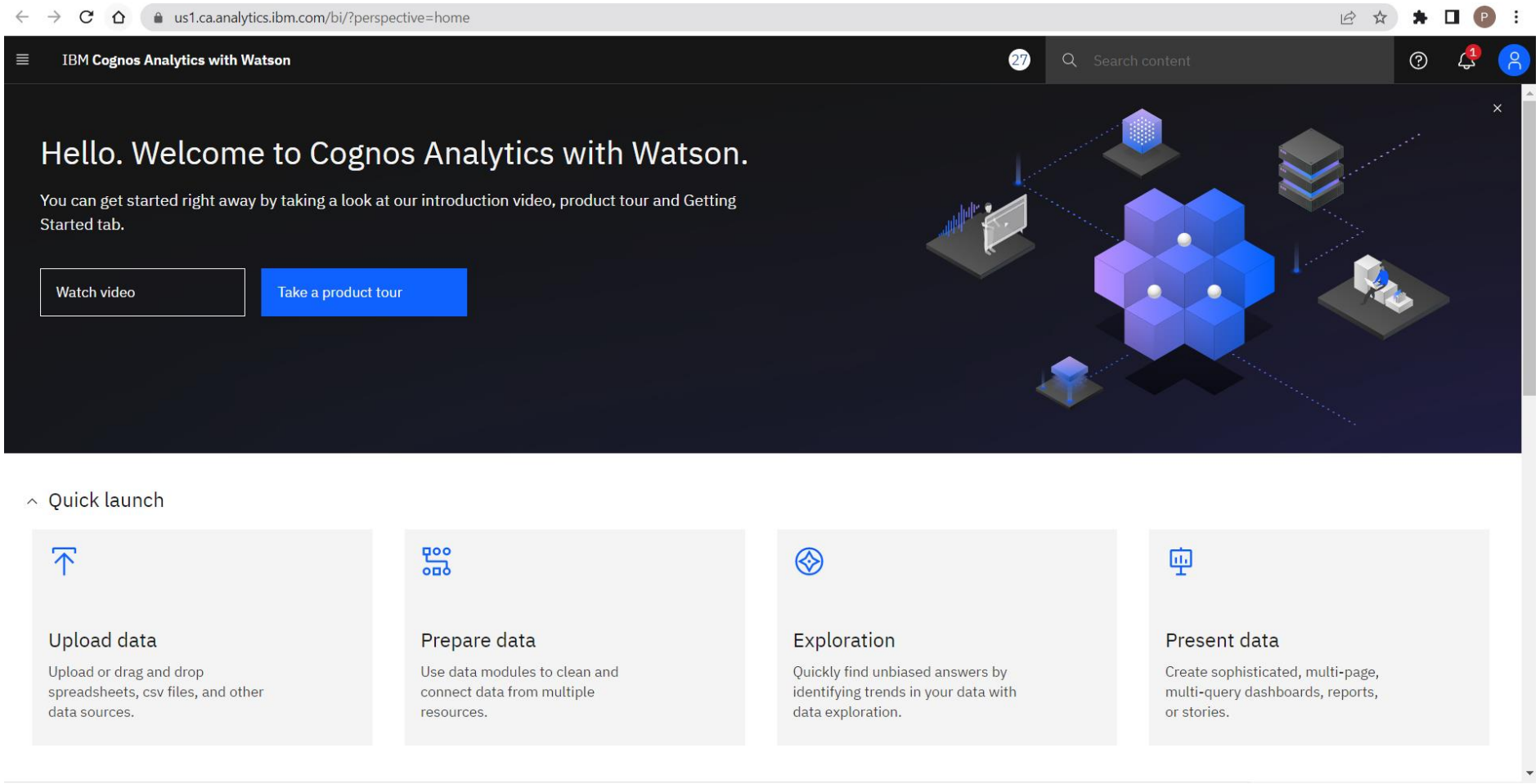
STEP 5 : SAVE THE DATASET AFTER PREPARING THE DATA

LINK FOR THE DATA EXPLORATION:

https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FGLOBAL_SALES_PREP&id=iB0AF8BAE444C4605AB487916EB3BF3CA&objRef=iB0AF8BAE444C4605AB487916EB3BF3CA&tid=2818311301_106cdc168b8c493f92db250eb684e70d_sessionTemp

DATA EXPLORATION:

STEP 1:Explore


us1.ca.analytics.ibm.com/bi/?perspective=home
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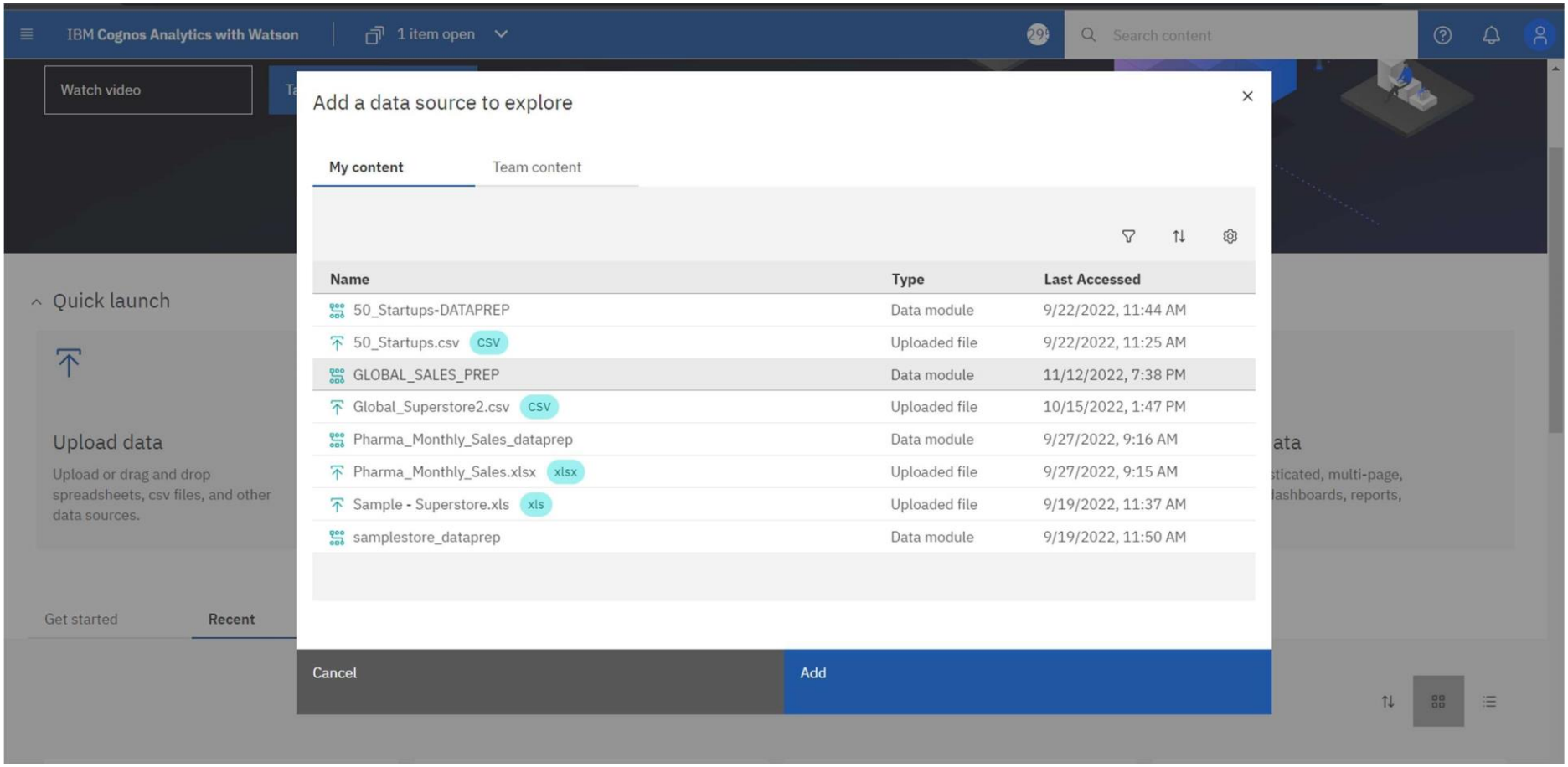
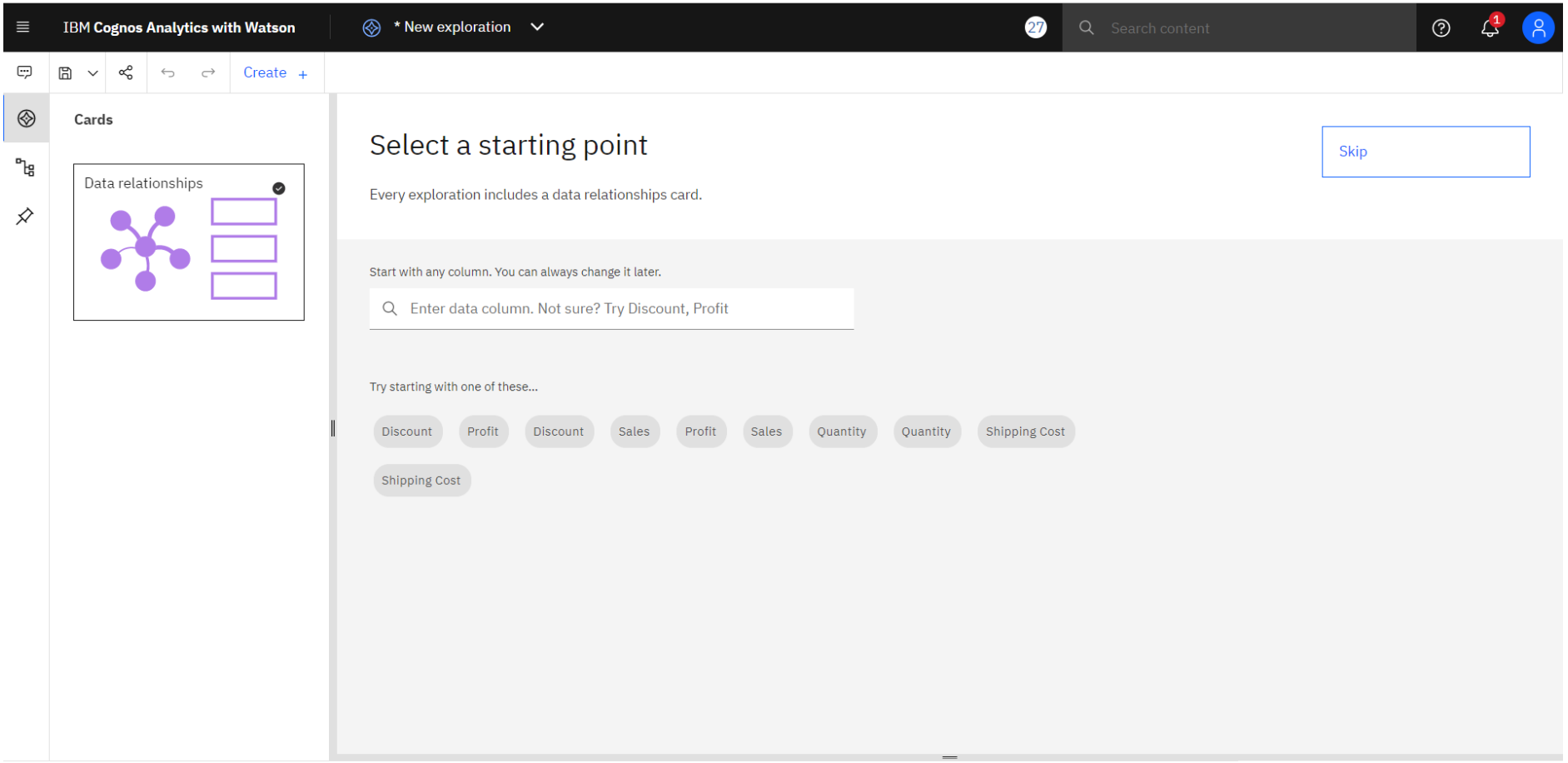
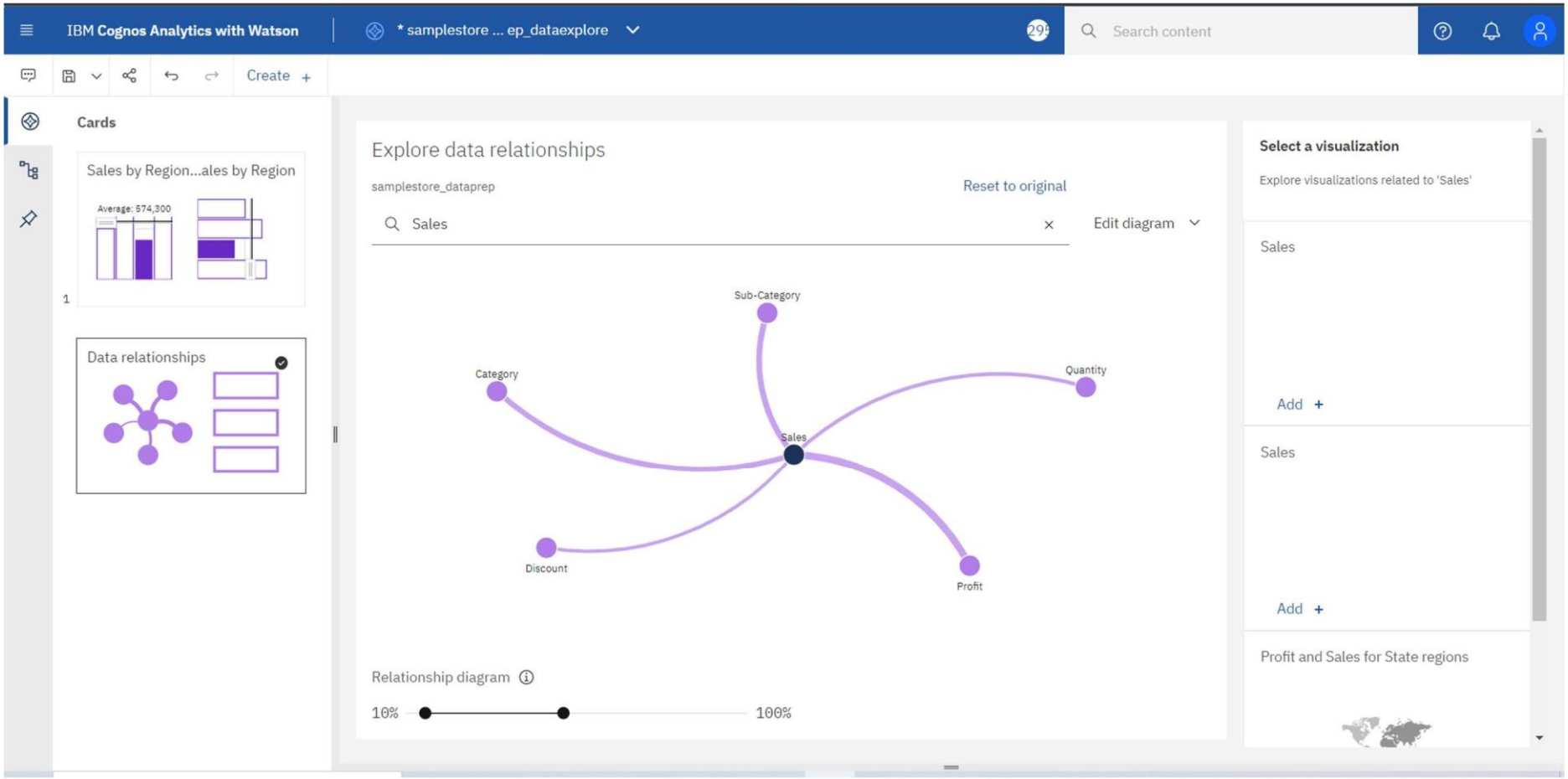
STEP 2 : ADD A DATA SOURCE TO EXPLORE

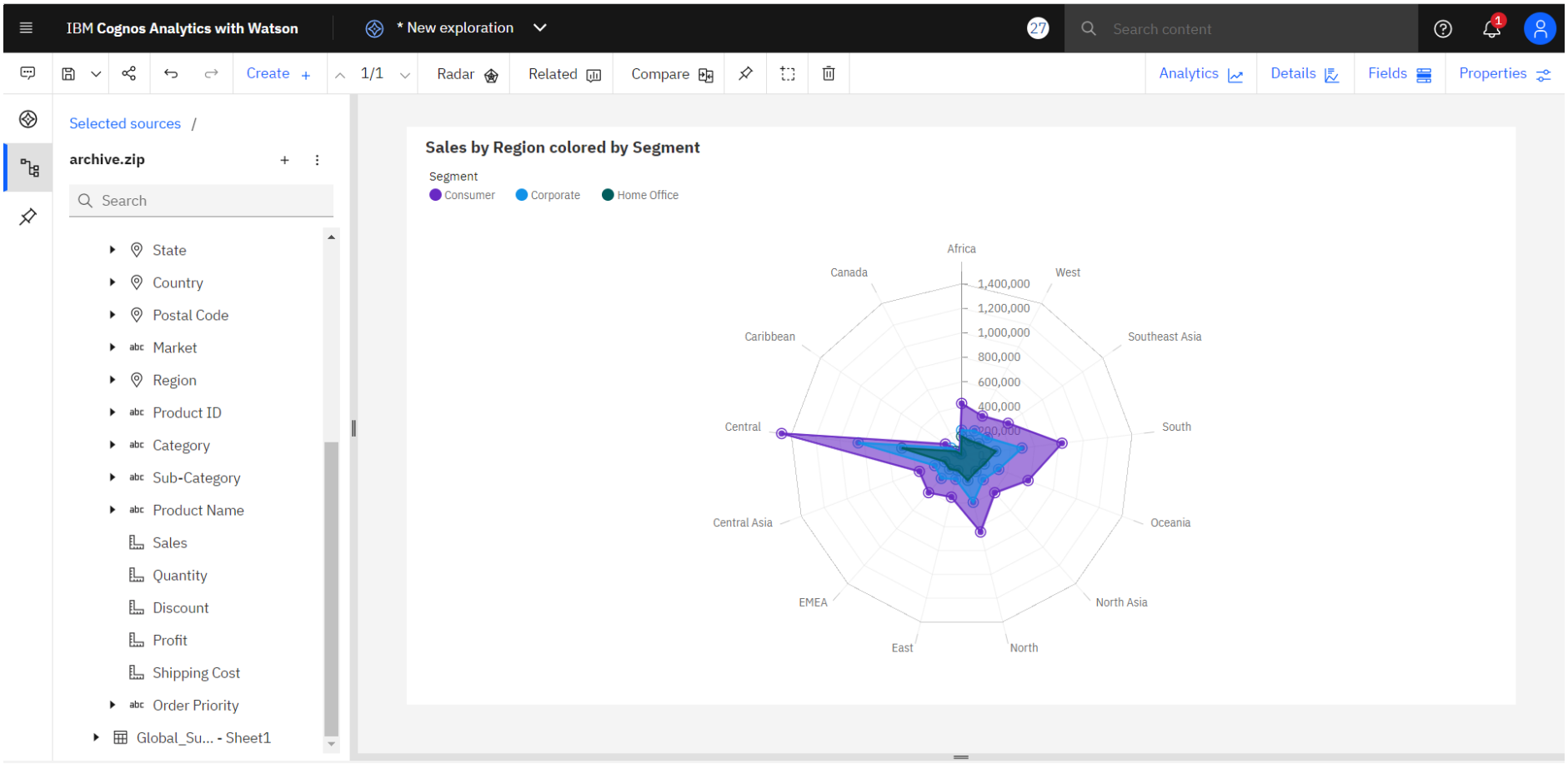


STEP 3 : SELECT THE NEEDED METRIC TO BE EXPLORED



STEP 4 : EXPLORE THE DATA RELATIONSHIPS

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* New exploration
27
Search content
Create
1/1
Radar
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
archive.zip
Search
State
Country
Postal Code
Market
Region
Product ID
Category
Sub-Category
Product Name
Sales
Quantity
Discount
Profit
Shipping Cost
Order Priority
Global_Su... - Sheet1
Sales by Region colored by Segment
Segment
Consumer
Corporate
Home Office
Africa
West
Southeast Asia
South
Oceania
North Asia
North
East
EMEA
Central Asia
Central
Caribbean
Canada
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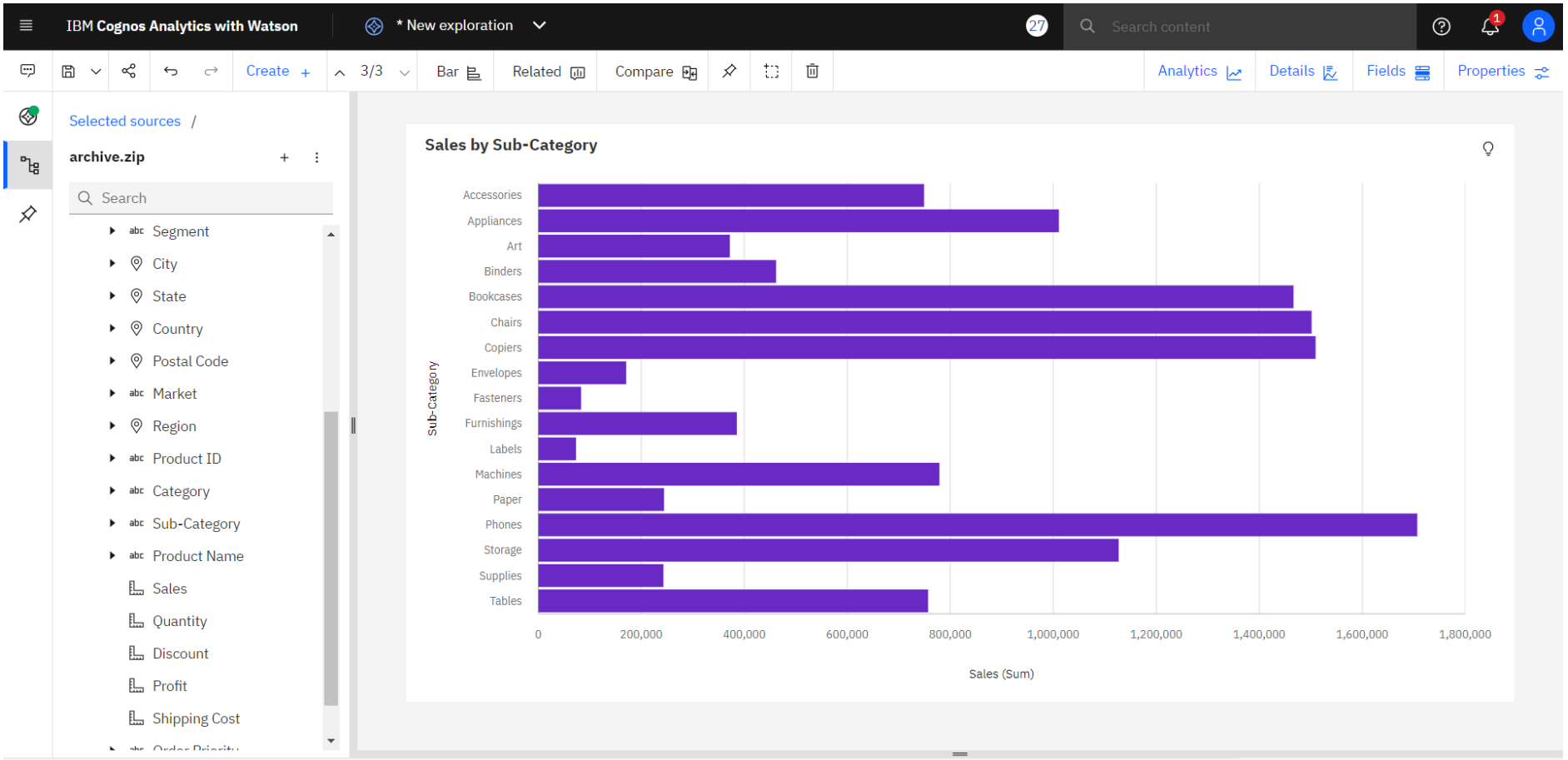
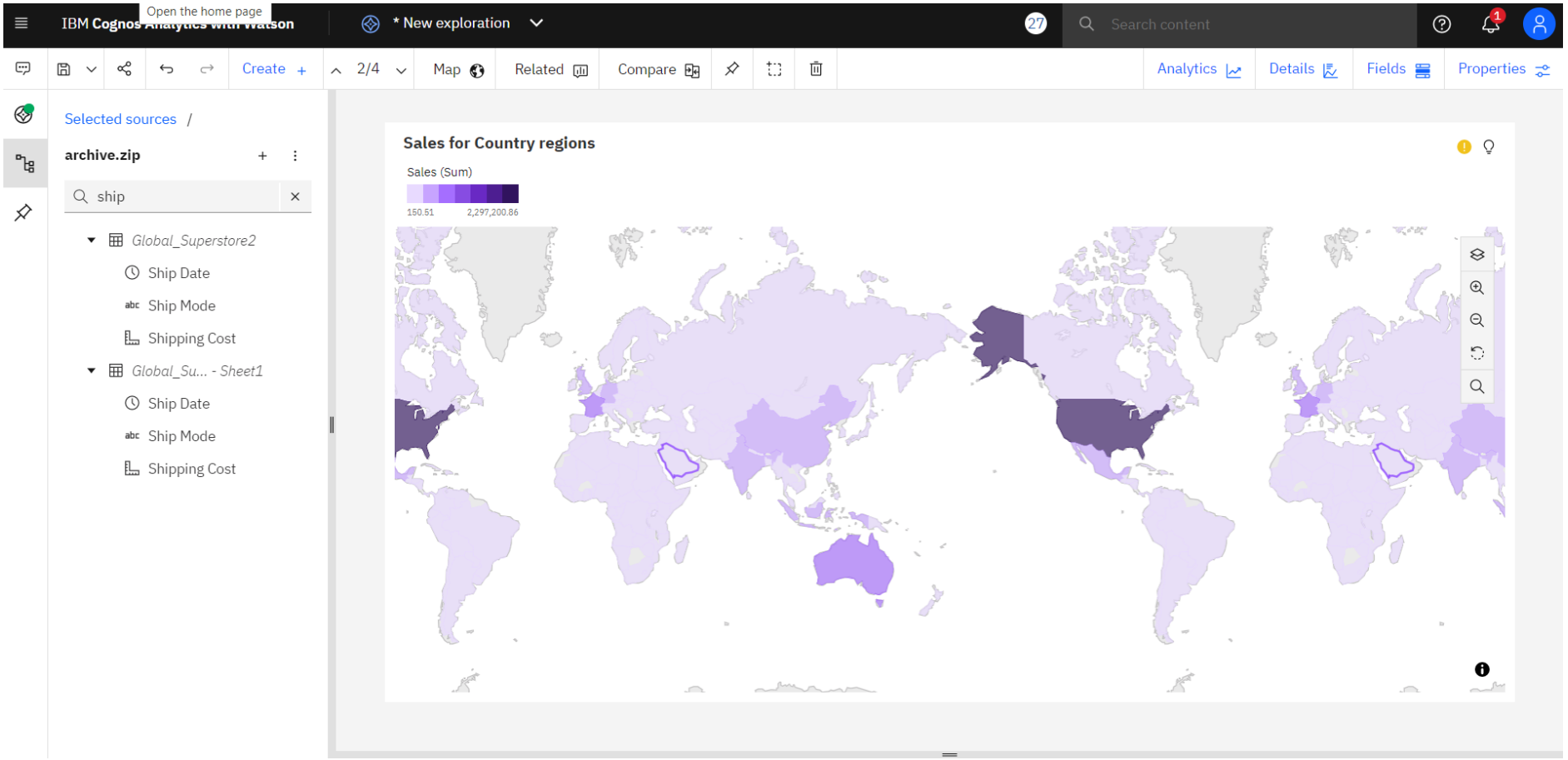
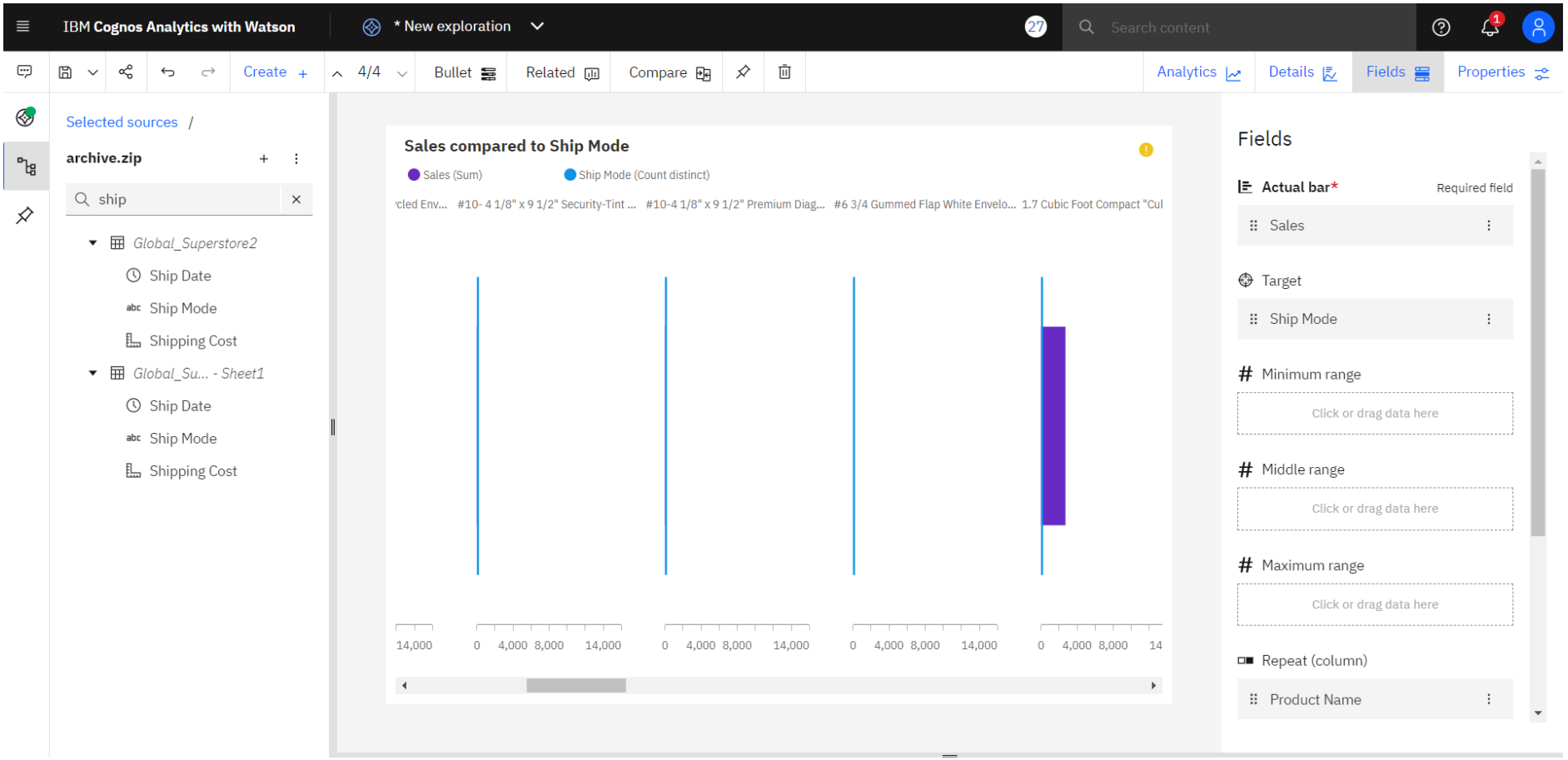
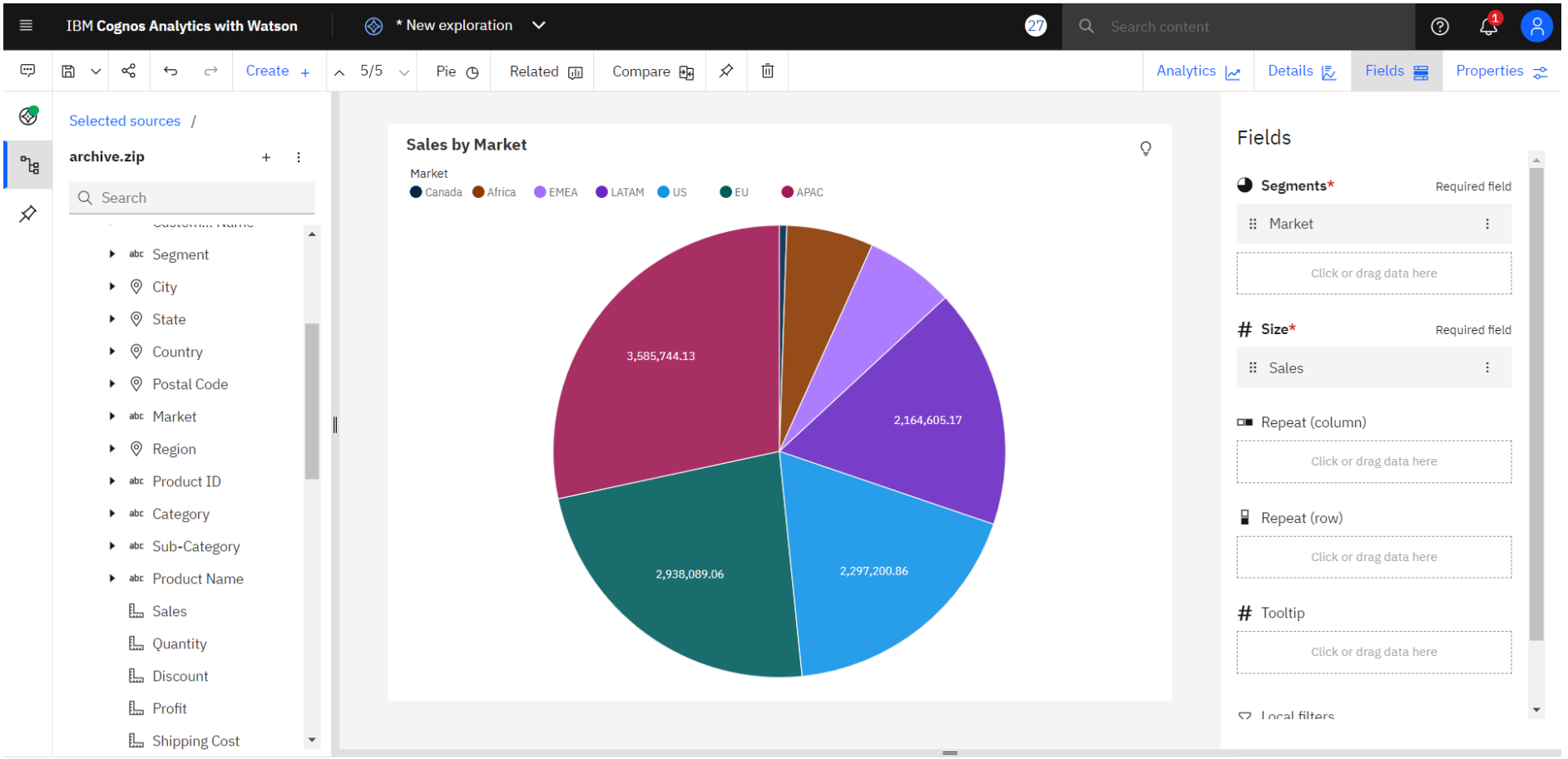
1,000,000
800,000
600,000
400,000


IBM Cognos Analytics with Watson
* New exploration
27
Search content
Create
3/3
Bar
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
archive.zip
Search
Segment
City
State
Country
Postal Code
Market
Region
Product ID
Category
Sub-Category
Product Name
Sales
Quantity
Discount
Profit
Shipping Cost
Sales by Sub-Category
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Copiers
Envelopes
Fasteners
Furnishings
Labels
Machines
Paper
Phones
Storage
Supplies
Tables
Sub-Category
0
200,000
400,000
600,000
800,000
1,000,000
1,200,000
1,400,000
1,600,000
1,800,000
Sales (Sum)


Open the home page
IBM Cognos Analytics with Watson
* New exploration
27
Search content
Create
2/4
Map
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
archive.zip
ship
Global_Superstore2
Ship Date
Ship Mode
Shipping Cost
Global_Su... - Sheet1
Ship Date
Ship Mode
Shipping Cost
Sales for Country regions
Sales (Sum)
150.51
2,297,200.86


IBM Cognos Analytics with Watson
* New exploration
27
Search content
Create
4/4
Bullet
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
archive.zip
ship
Global_Superstore2
Ship Date
Ship Mode
Shipping Cost
Global_Su... - Sheet1
Ship Date
Ship Mode
Shipping Cost
Sales compared to Ship Mode
Sales (Sum)
Ship Mode (Count distinct)
'cled Env...
#10- 4 1/8" x 9 1/2" Security-Tint ...
#10-4 1/8" x 9 1/2" Premium Diag...
#6 3/4 Gummed Flap White Envelo...
1.7 Cubic Foot Compact "Cul
14,000
0
4,000
8,000
14,000
Fields
Actual bar*
Required field
Sales
Target
Ship Mode
Minimum range
Click or drag data here
Middle range
Click or drag data here
Maximum range
Click or drag data here
Repeat (column)
Product Name


IBM Cognos Analytics with Watson
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27
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archive.zip
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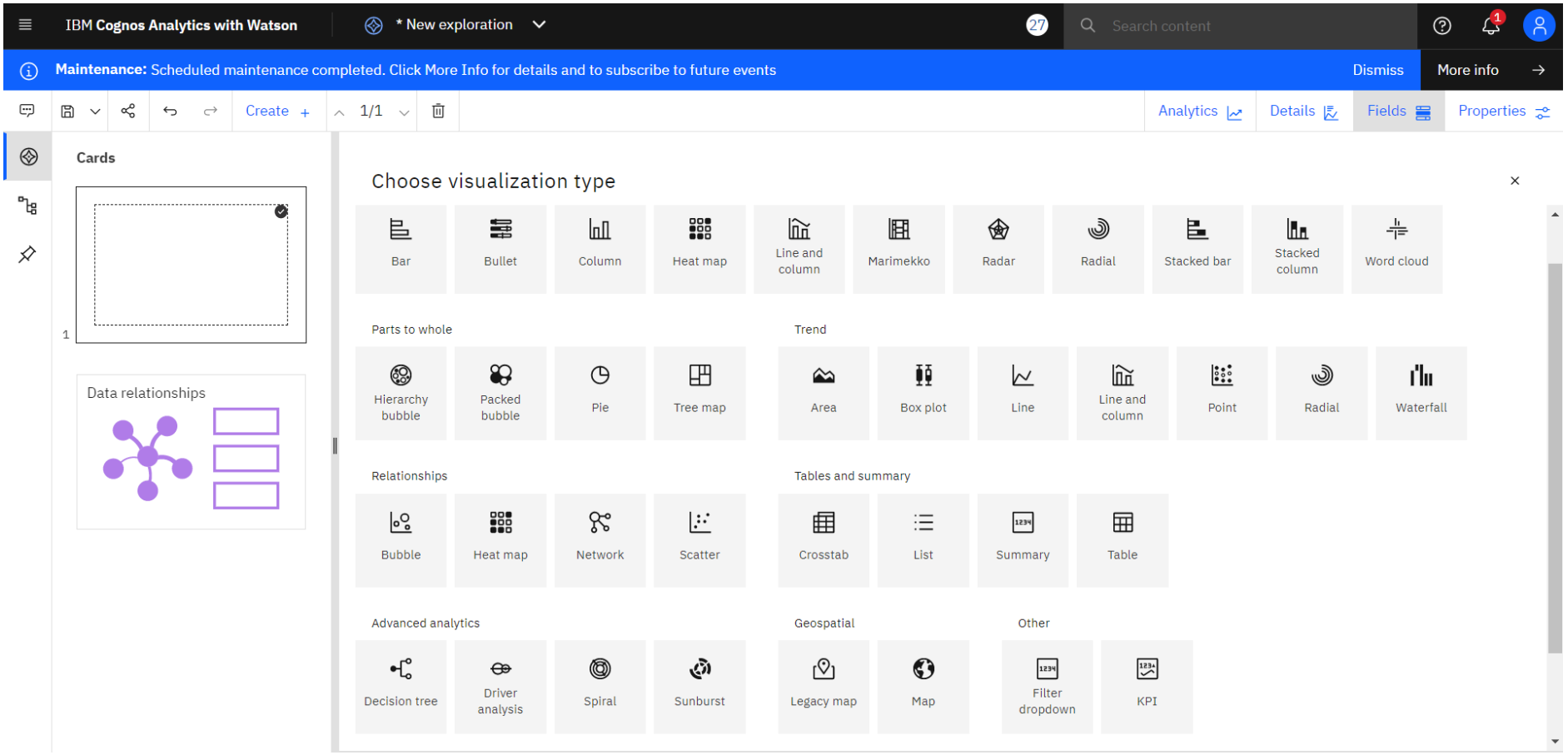
Segment
City
State
Country
Postal Code
Market
Region
Product ID
Category
Sub-Category
Product Name
Sales
Quantity
Discount
Profit
Shipping Cost
Sales by Market
Market
Canada
Africa
EMEA
LATAM
US
EU
APAC
3,585,744.13
2,164,605.17
2,938,089.06
2,297,200.86
Fields
Segments*
Required field
Market
Click or drag data here
Size*
Required field
Sales
Repeat (column)
Click or drag data here
Repeat (row)
Click or drag data here
Tooltip
Click or drag data here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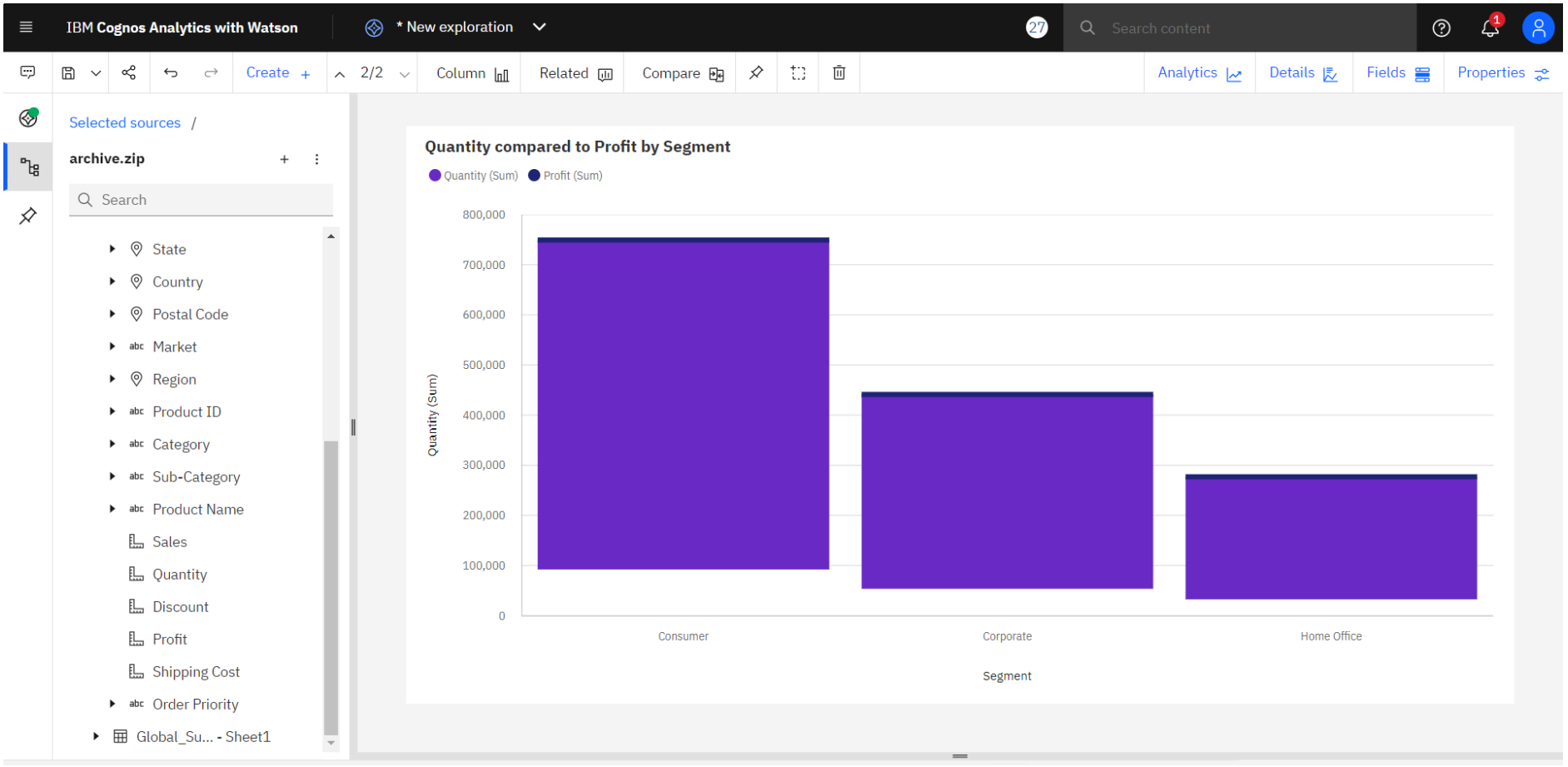
* New exploration
27
Search content
Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events
Dismiss
More info
Create
1/1
Analytics
Details
Fields
Properties
Cards
1
Data relationships
Choose visualization type
Bar
Bullet
Column
Heat map
Line and column
Marimekko
Radar
Radial
Stacked bar
Stacked column
Word cloud
Parts to whole
Hierarchy bubble
Packed bubble
Pie
Tree map
Trend
Area
Box plot
Line
Line and column
Point
Radial
Waterfall
Relationships
Bubble
Heat map
Network
Scatter
Tables and summary
Crosstab
List
Summary
Table
Advanced analytics
Decision tree
Driver analysis
Spiral
Sunburst
Geospatial
Legacy map
Map
Other
Filter dropdown
KPI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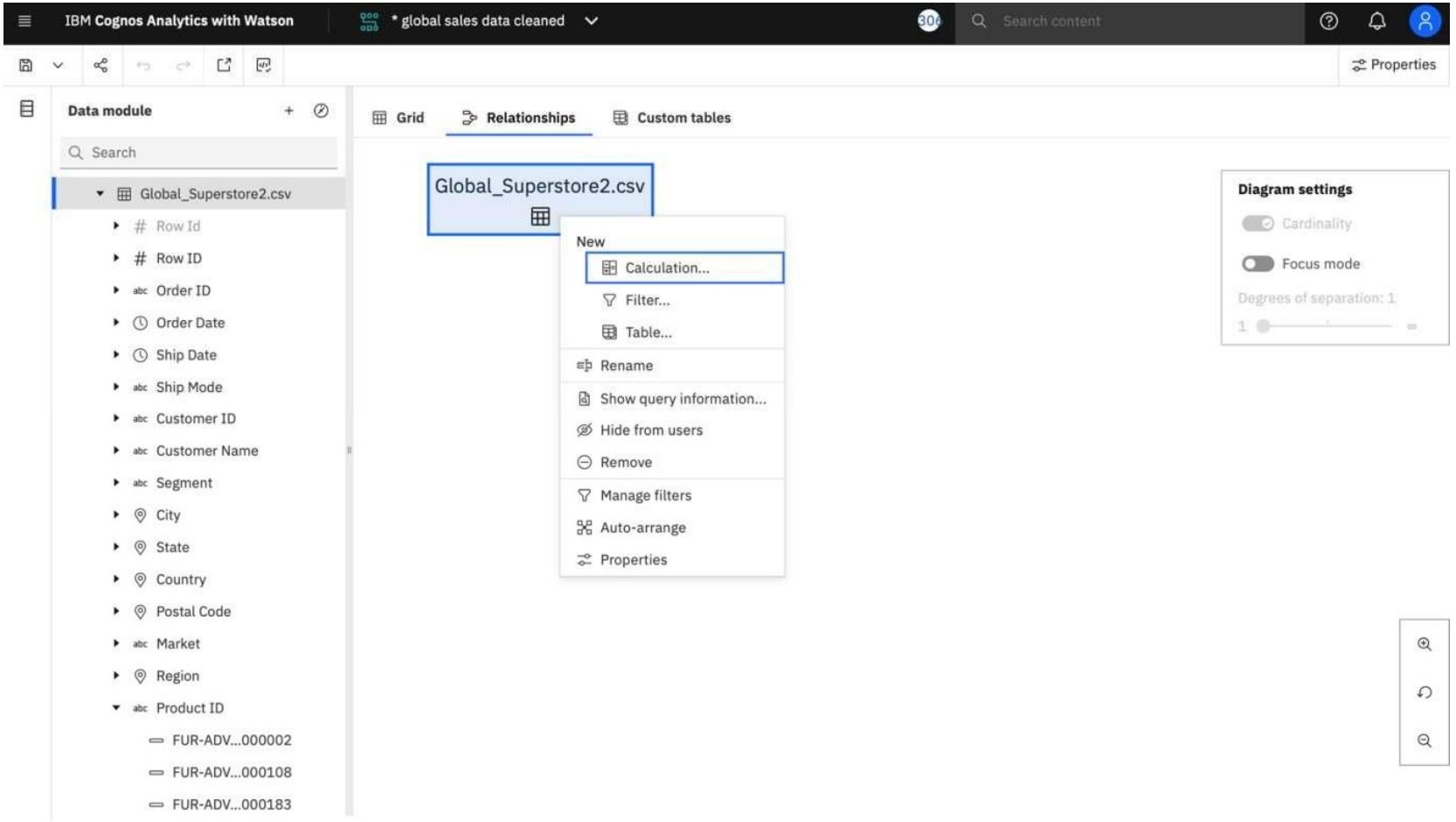
* New exploration
27
Search content
Create
2/2
Column
Related
Compare
Analytics
Details
Fields
Properties
Selected sources /
archive.zip
Search
State
Country
Postal Code
Market
Region
Product ID
Category
Sub-Category
Product Name
Sales
Quantity
Discount
Profit
Shipping Cost
Order Priority
Global_Su... - Sheet1
Quantity compared to Profit by Segment
Quantity (Sum)
Profit (Sum)
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
Quantity (Sum)
Consumer
Corporate
Home Office
Segment

STEP 5 :SAVE THE EXPLORATION



LINK FOR THE DATA EXPLORATION:

https://us3.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2Fsamplestore_dataprep_dataexplore&subView=model000001846eb0ab0d_00000004