

# PROJECT DEVELOPMENT PHASE

## DELIVERY OF SPRINT - 3

Date	09 Nov 2022
Team ID	PNT2022TMID41405
Project Name	Global Sales Data Analytics
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### • DATA VISUALIZATION AND PRESENTATION PHASE

### SPRINT 3>>> DASHBOARD EXPLORATION AND CREATION

#### 1. Login into the IBM Cognos Analytics Dashboard

IBM

Log in to IBM

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Login into the IBM Cognos Dashboard by providing the right credentials in the login page. To access the Cognos dashboard for creating the data presentation charts and Dashboards.

## 2. Open The Cognos account Dashboard

The screenshot shows the IBM Cognos Analytics dashboard. At the top is a dark header bar with the text "IBM Cognos Analytics with Watson", a search bar, and user profile icons. Below the header is a "Quick launch" section with four cards: "Upload data", "Prepare data", "Exploration", and "Present data". Each card has an icon and a brief description. Below this is a "Get started" section with two tabs: "Get started" (selected) and "Recent". The "Get started" tab contains three columns: "How-to videos" with a link to "Watch videos", "Accelerator Catalog" with a link to "Browse catalog", and "Learning resources" with a link to "Launch the learn pane". An illustration of people working together is positioned between the "How-to videos" and "Accelerator Catalog" columns.

IBM Cognos Analytics with Watson

Quick launch

- 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.

Get started Recent

Get up and running in IBM Cognos Analytics

- How-to videos**  
Learn how to use IBM Cognos Analytics and start gaining insights into your data.  
[Watch videos](#)
- Accelerator Catalog**  
Browse a growing catalog of industry use, best practice guides, custom visualizations, and more.  
[Browse catalog](#)
- Learning resources**  
Expand your knowledge and get assistance by connecting with the community, reading documentation, and watching videos.  
[Launch the learn pane](#)

## 3. Click on Present Data to create the Dashboards

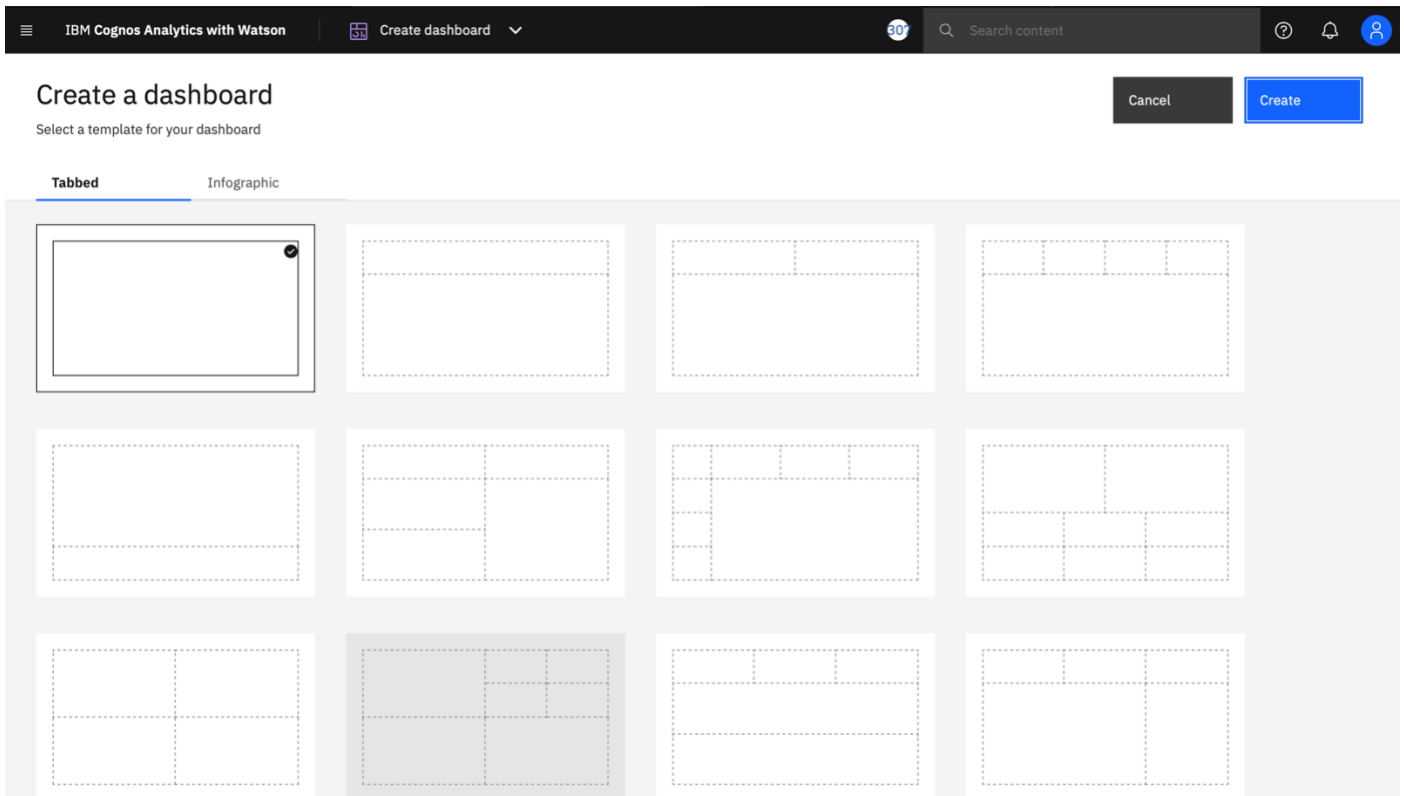
This screenshot is identical to the one above, but the "Present data" card in the "Quick launch" section is highlighted with a thick orange rectangular border to draw attention to it.

Quick launch

- 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.

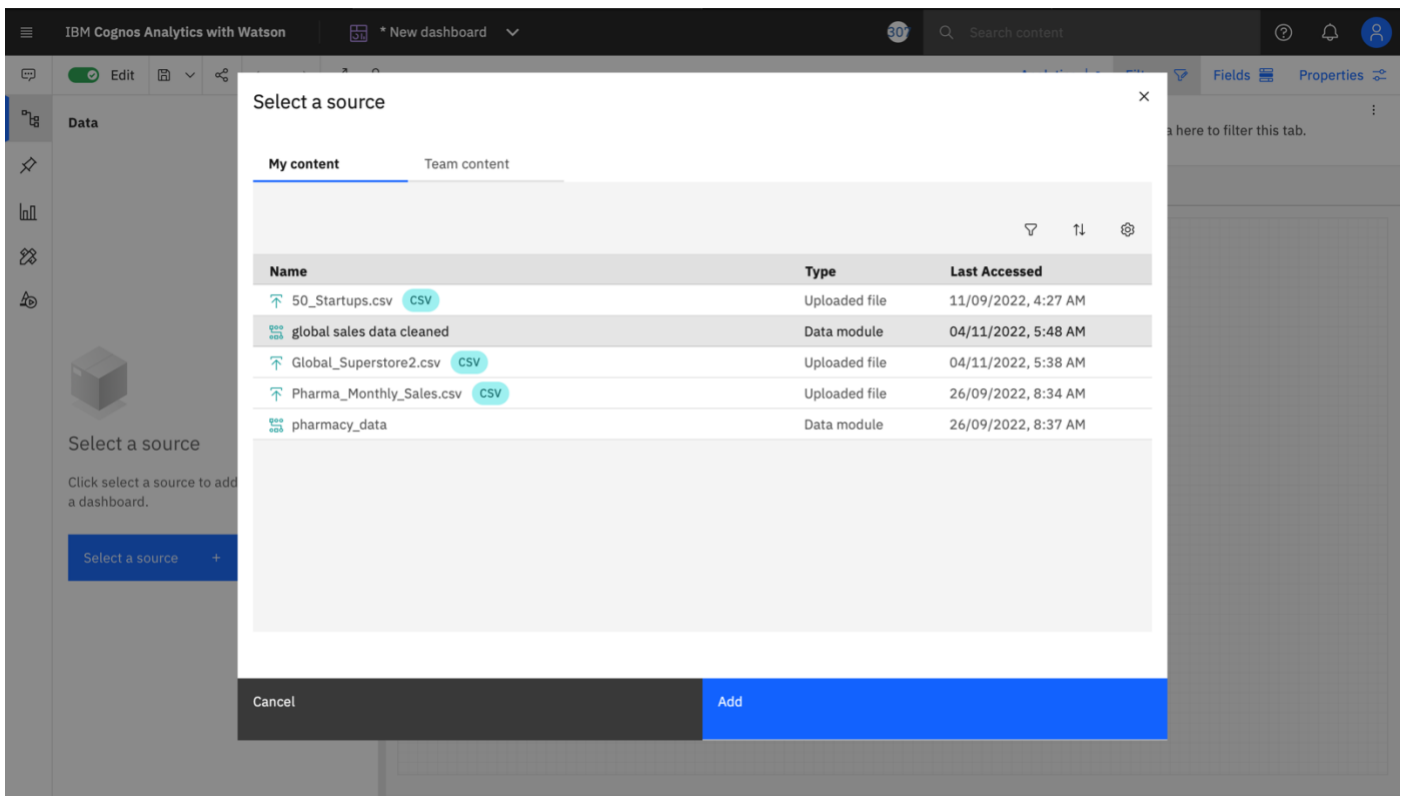
The Dashboards are used to get insights from the data and understand the business problems and create the analytical solutions to it and understand the data of the organization

## 4. Select the Dashboard Template to be created



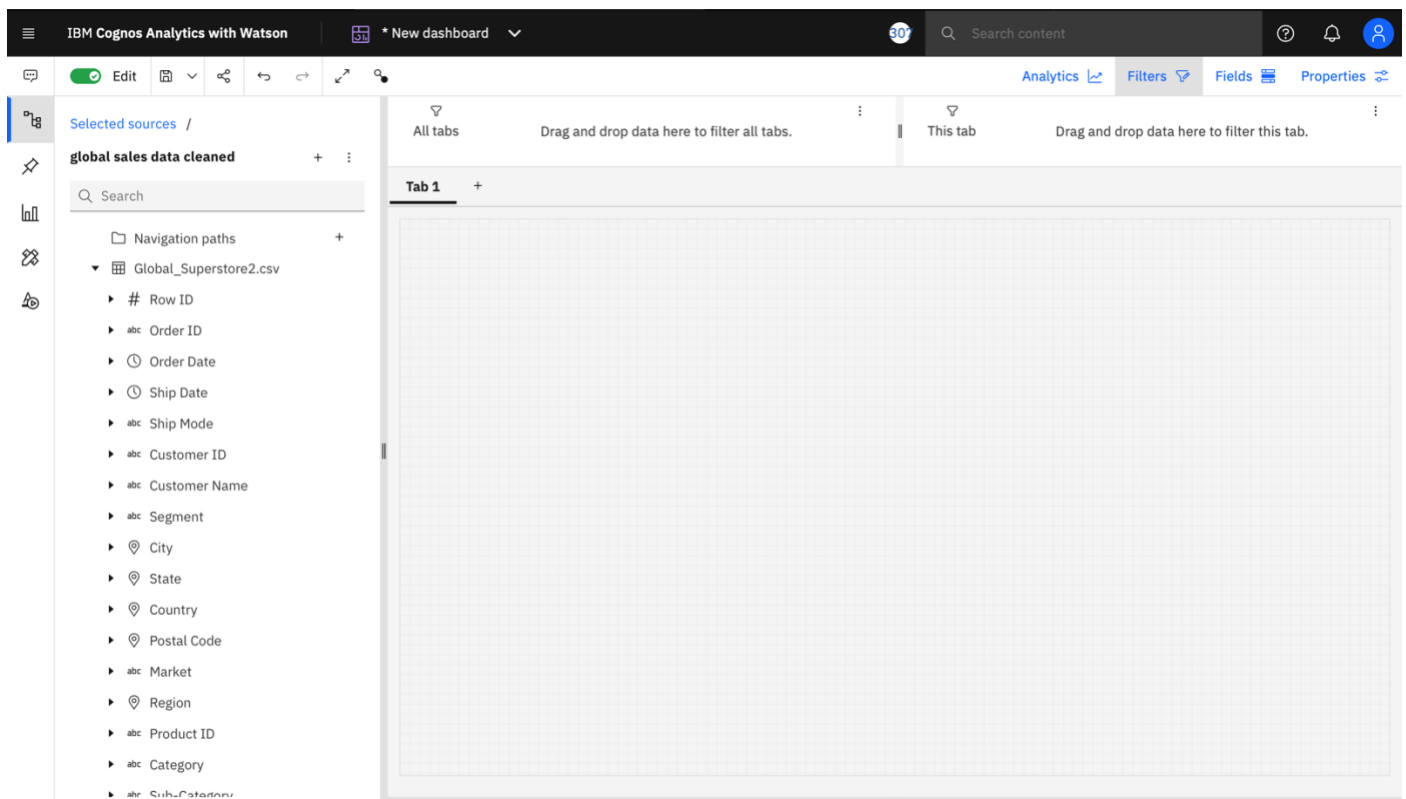
Now click on “Create” to create the empty dashboard.

## 5. Now select the Data source to create the dashboard.

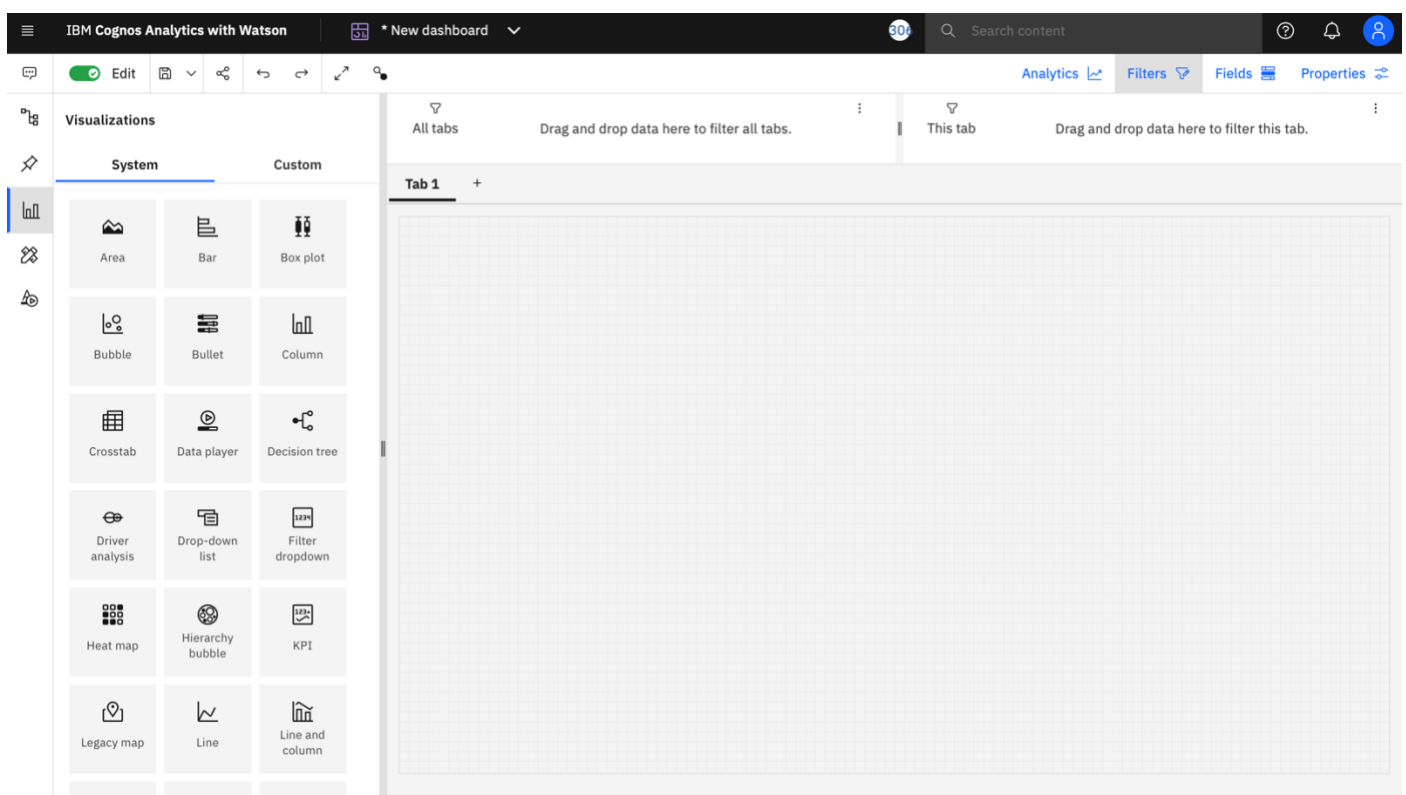


Now select the data source and click on “Add” to add the data source in order to visualize the data to get valuable insights from it.

## 6. Exploring the Dashboard



## 7. Now click on Visualizations option to create the charts



Select the Visualization charts based on the requirements.

IBM Cognos Analytics with Watson | \* New dashboard | 304 | Search content

Analytics | Filters | Fields | Properties

Selected sources / global sales data cleaned

Navigation paths

- Global\_Superstore2.csv
  - # Row ID
  - abc Order ID
  - Order Date
  - Ship Date
  - abc Ship Mode
  - abc Customer ID
  - abc Customer Name
  - abc Segment
  - City
  - State
  - Country
  - Postal Code
  - abc Market
  - Region
  - abc Product ID
  - abc Category
  - abc Sub-Category

Tab 1

Column color | Line color

Column length | x-axis | Line position

x-axis

Column length

Line position

Column color

Line color

Repeat (column)

Repeat (row)

Local filters

## 8. Chart Fields and Properties

cs | Filters | Fields | Properties

x-axis

Click or drag data here

# Column length\* Required field

Click or drag data here

Column color

Click or drag data here

# Line position\* Required field

Click or drag data here

Line color

Click or drag data here

Repeat (column)

Click or drag data here

Repeat (row)

Click or drag data here

Local filters

cs | Filters | Fields | Properties

Visualization properties

Visualization General

Color

Column color palette

Carbon X Light

Change color palette

Column color #6929C4

Column heat palette

Purple

Change heat palette

Line and symbol color palette

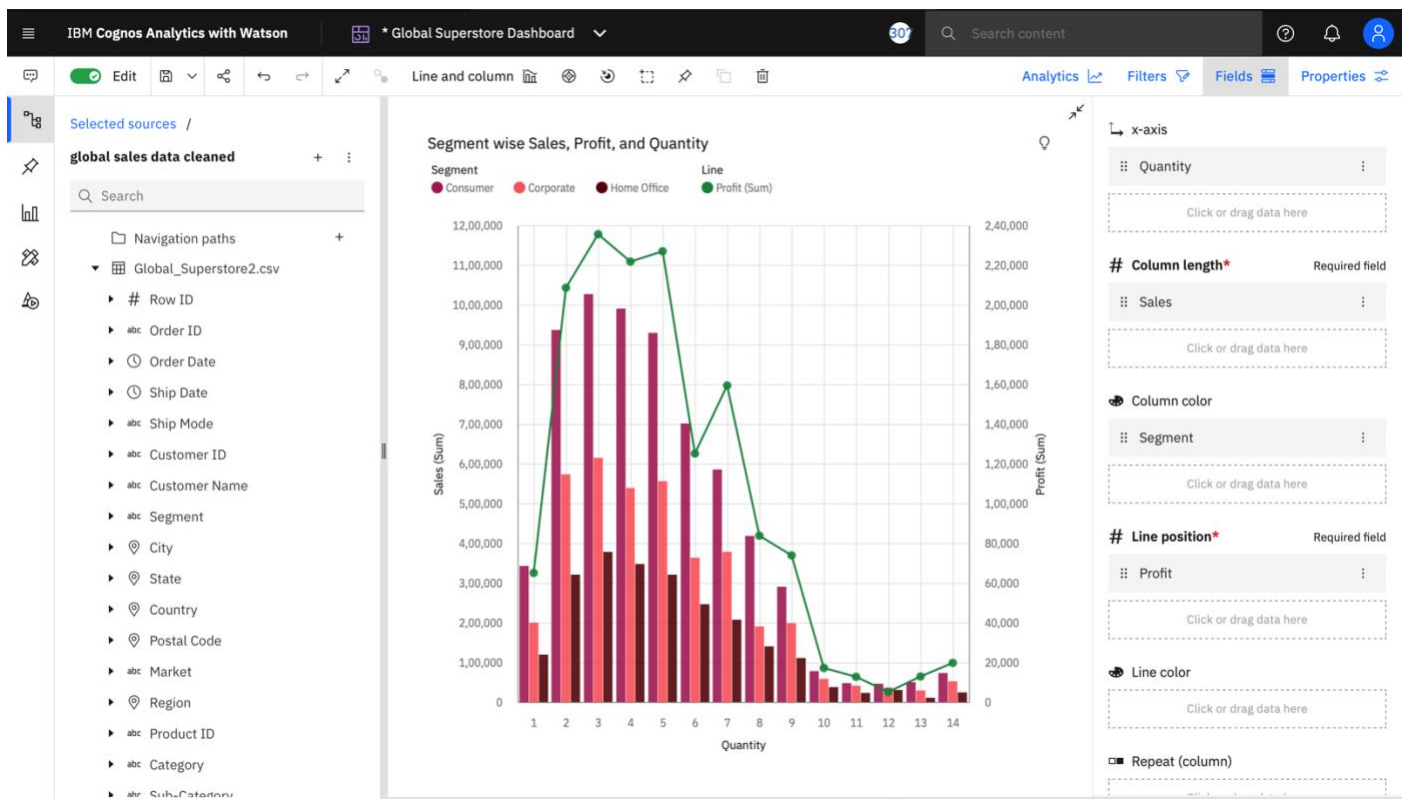
Carbon X Light

Change color palette

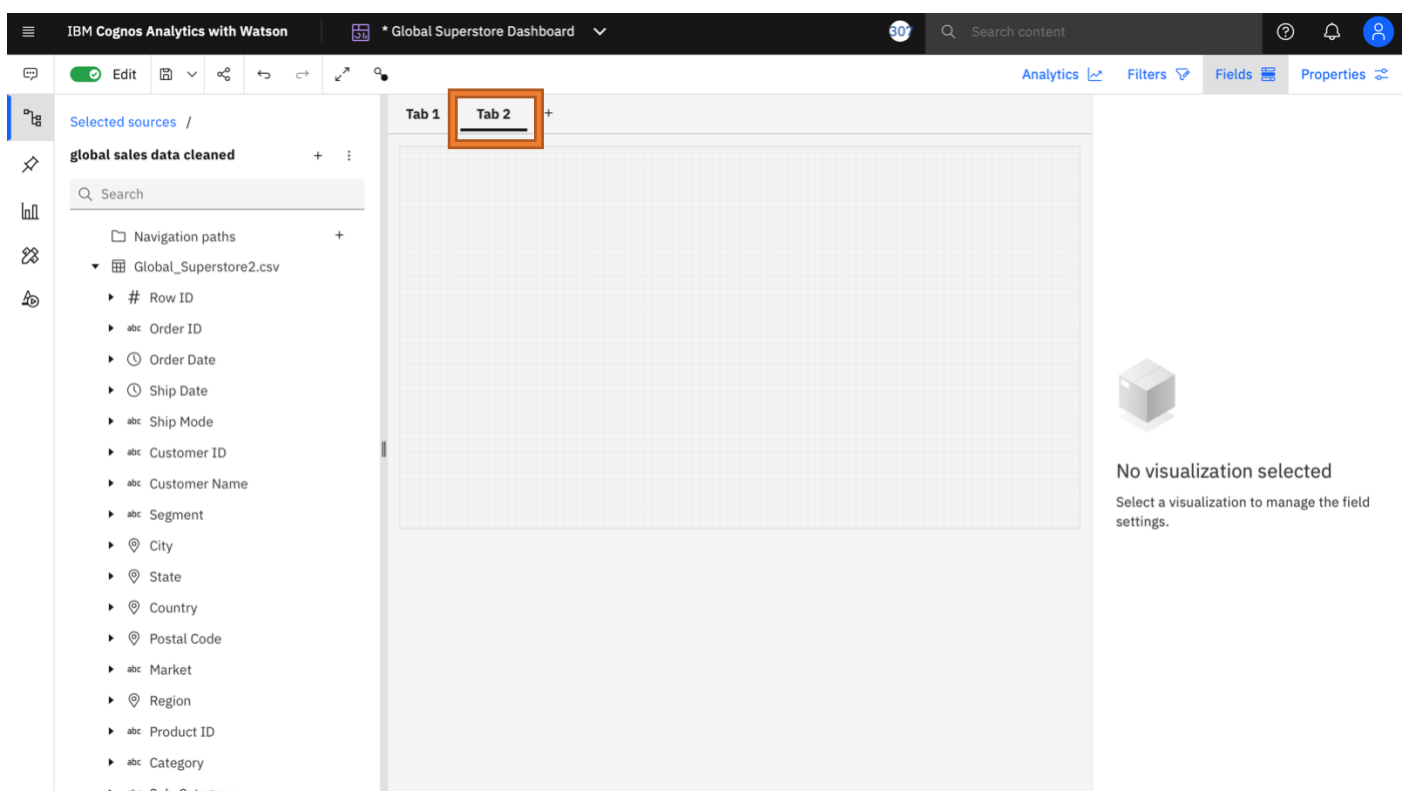
Line and symbol color #1192E8

Add the Data to the Fields to understand and visualize that data in terms of the selected graph. To get information from it.

## 9. Segment wise Sales, Profit and quantity Analysis

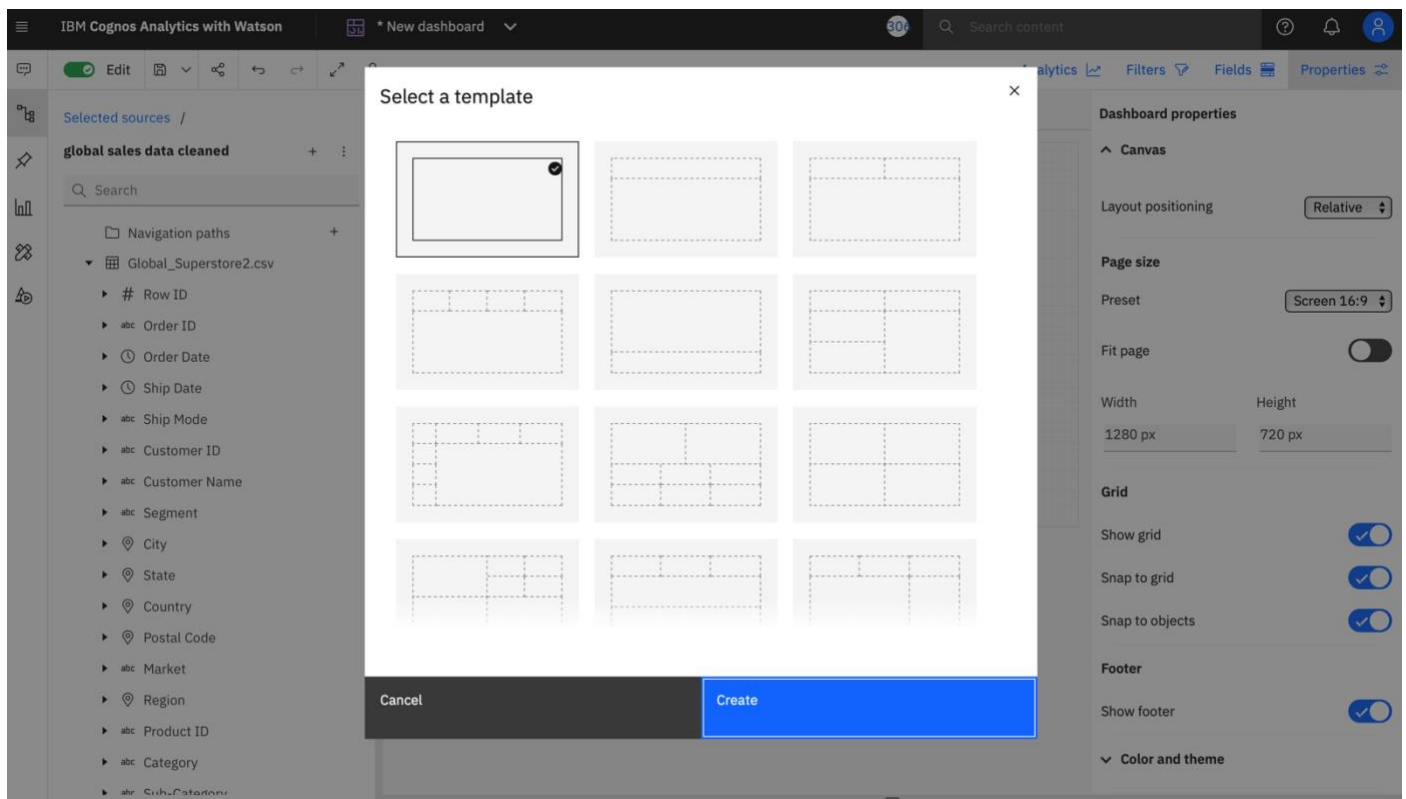


## 10. Create a New Tab

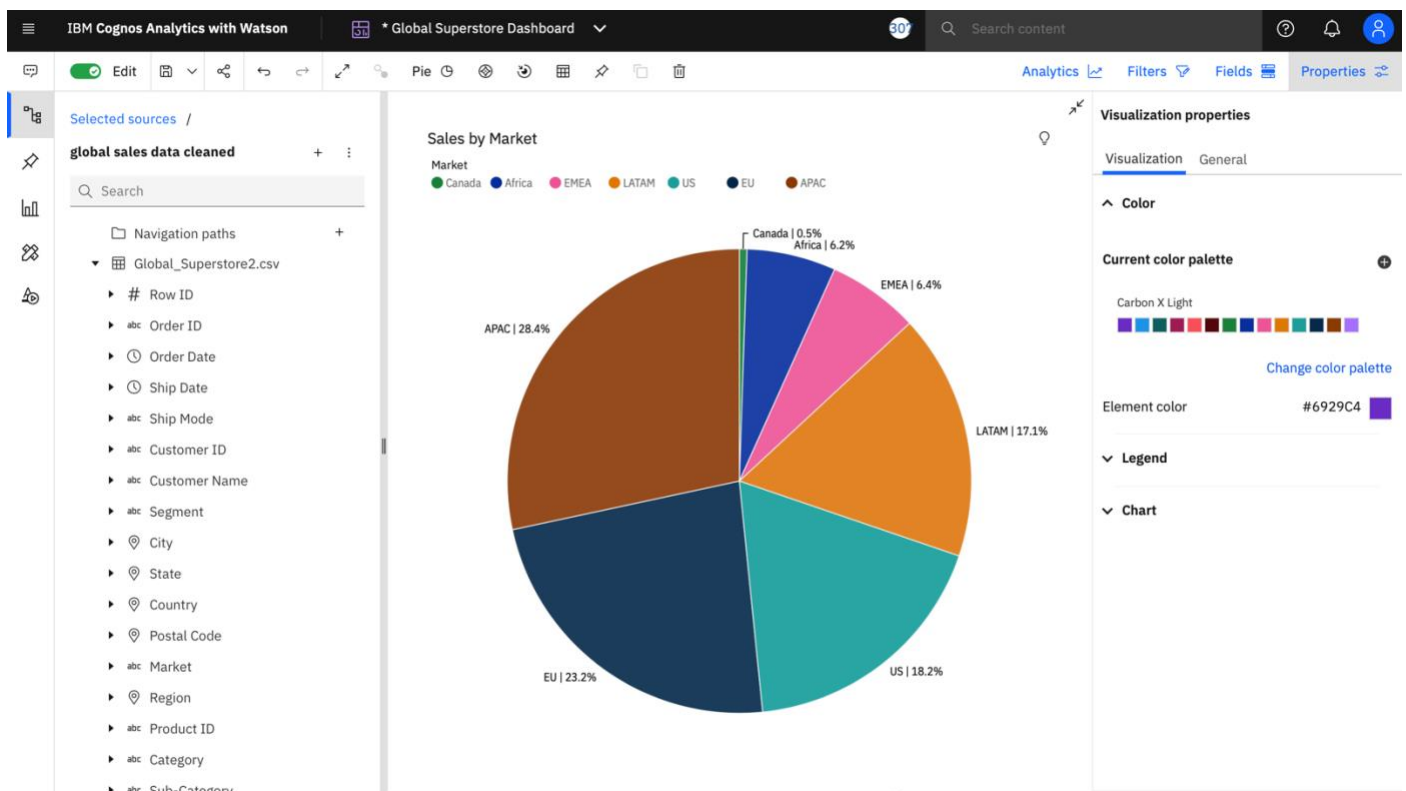


Click on the new tab option as shown in above figure to create a new Tab for creating another chart. We can have any number of tabs in this dashboard.

## 11. Select the Template for the Tab



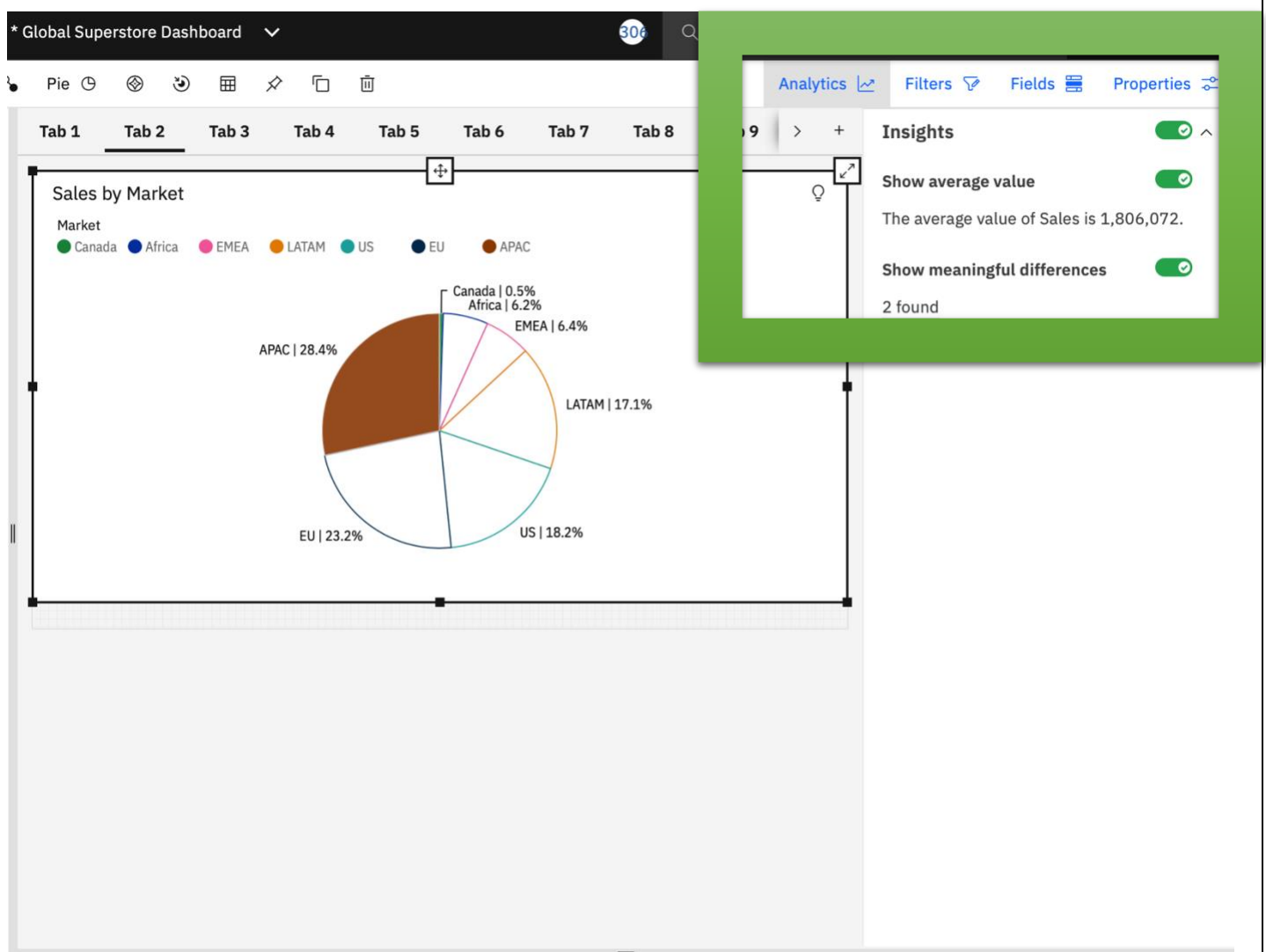
## 12. Sales By Market



The above Pie chart shows the Market wise sales analysis. By this visualization we can get the understanding about the data and the insights.

### 13. Getting Insights from the charts

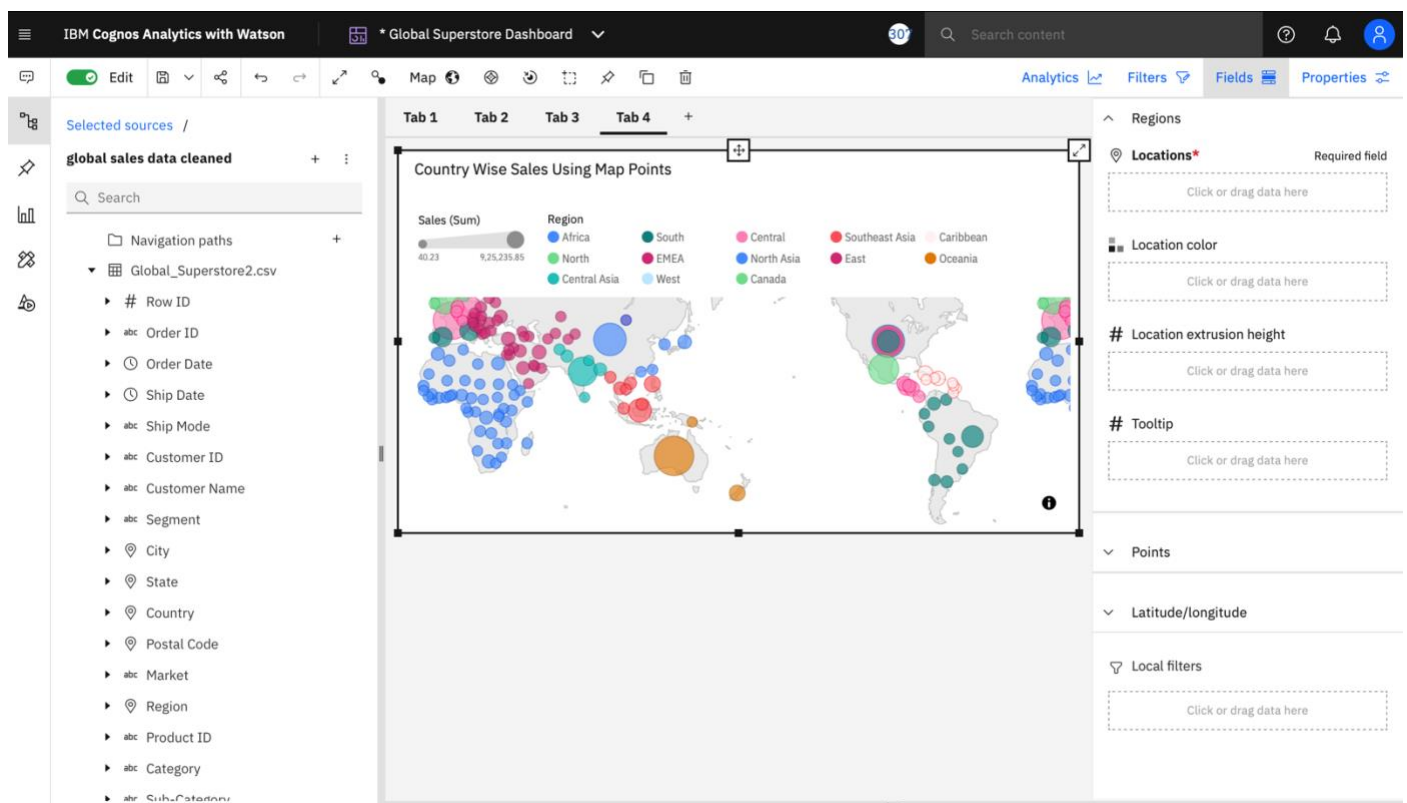
Now click on the Analytics option at the right hand top of the menu bar and enable the Insights option to get the valuable insights out of the data. As shown in the below figure



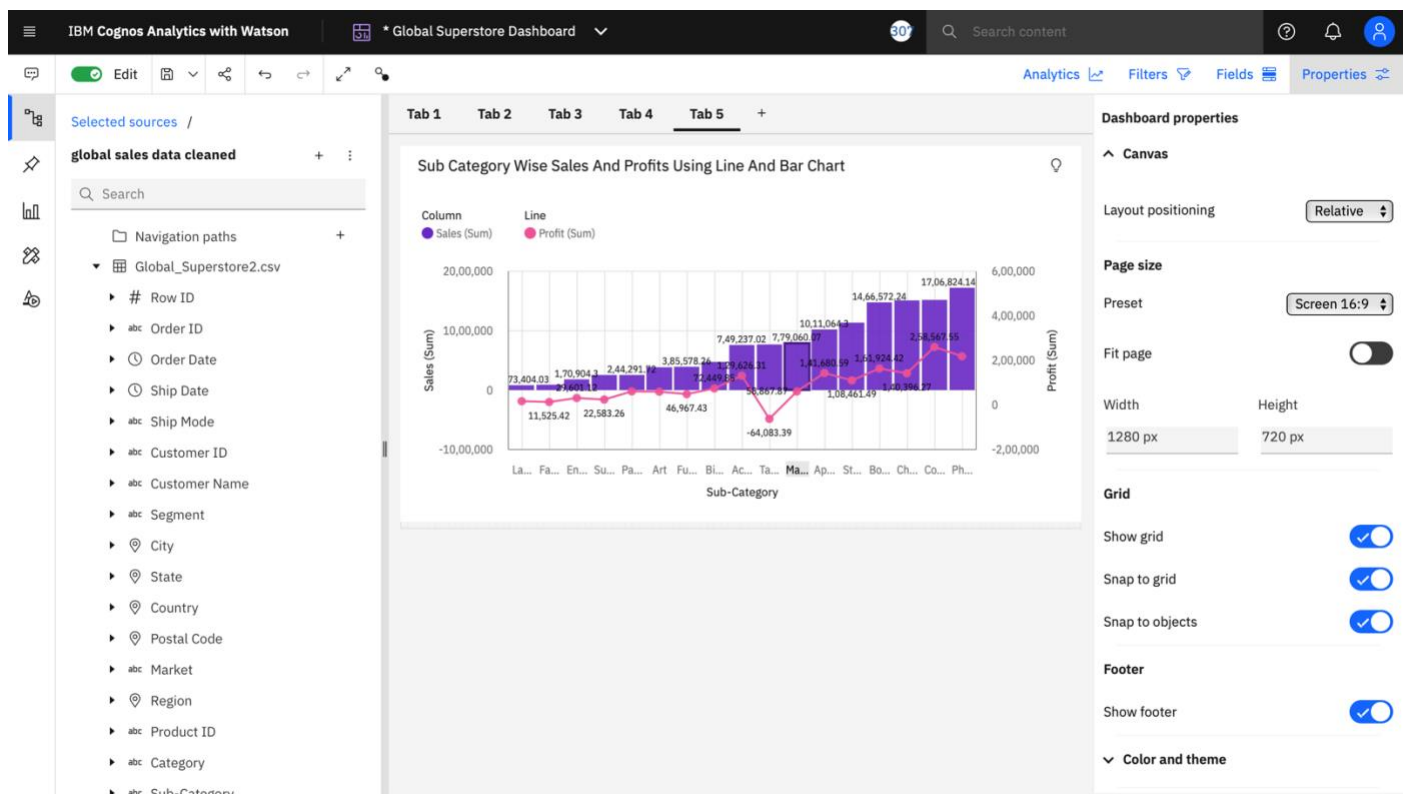
The Insights about the data gives the lot of information about the business problems. And give the meaningful data driven solution to it.



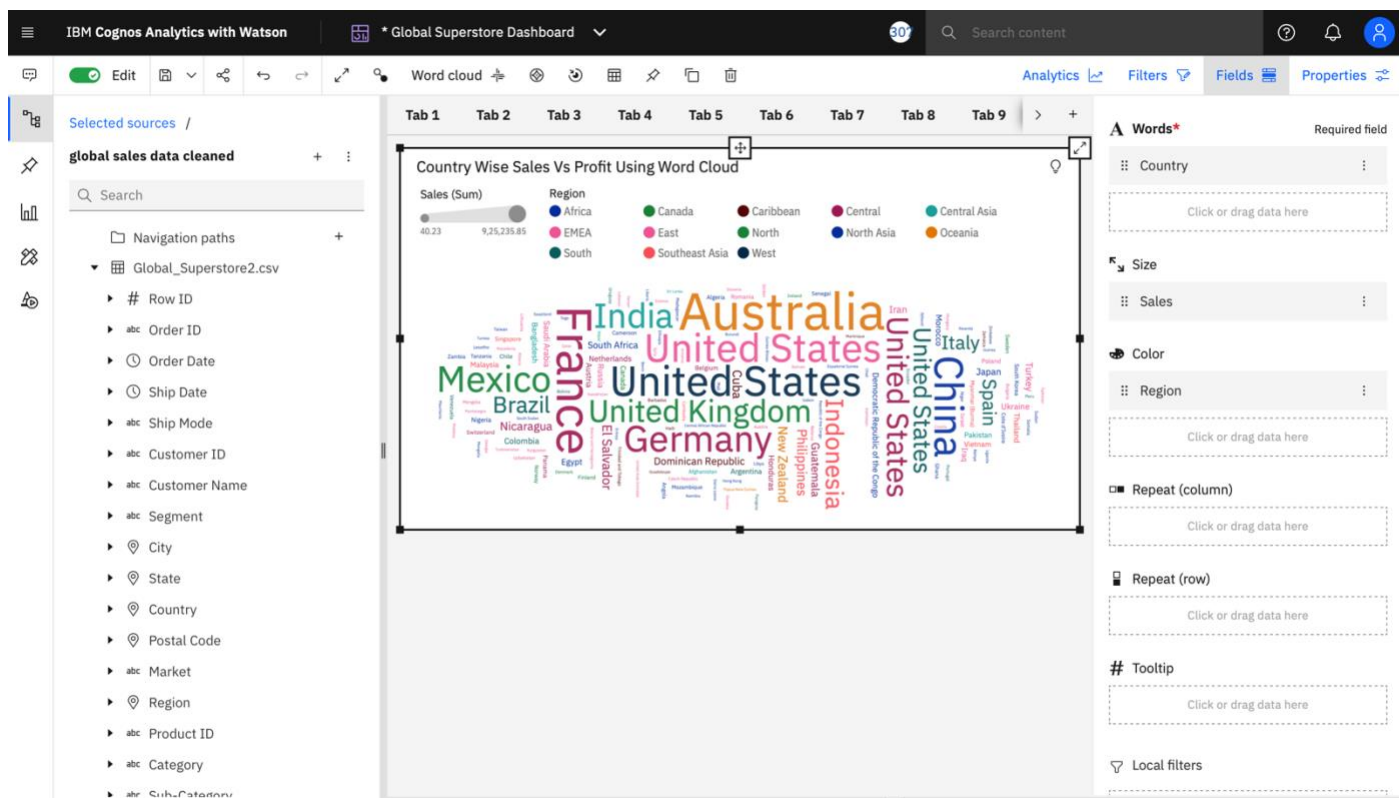
## 14. Country wise sales using the Map points.



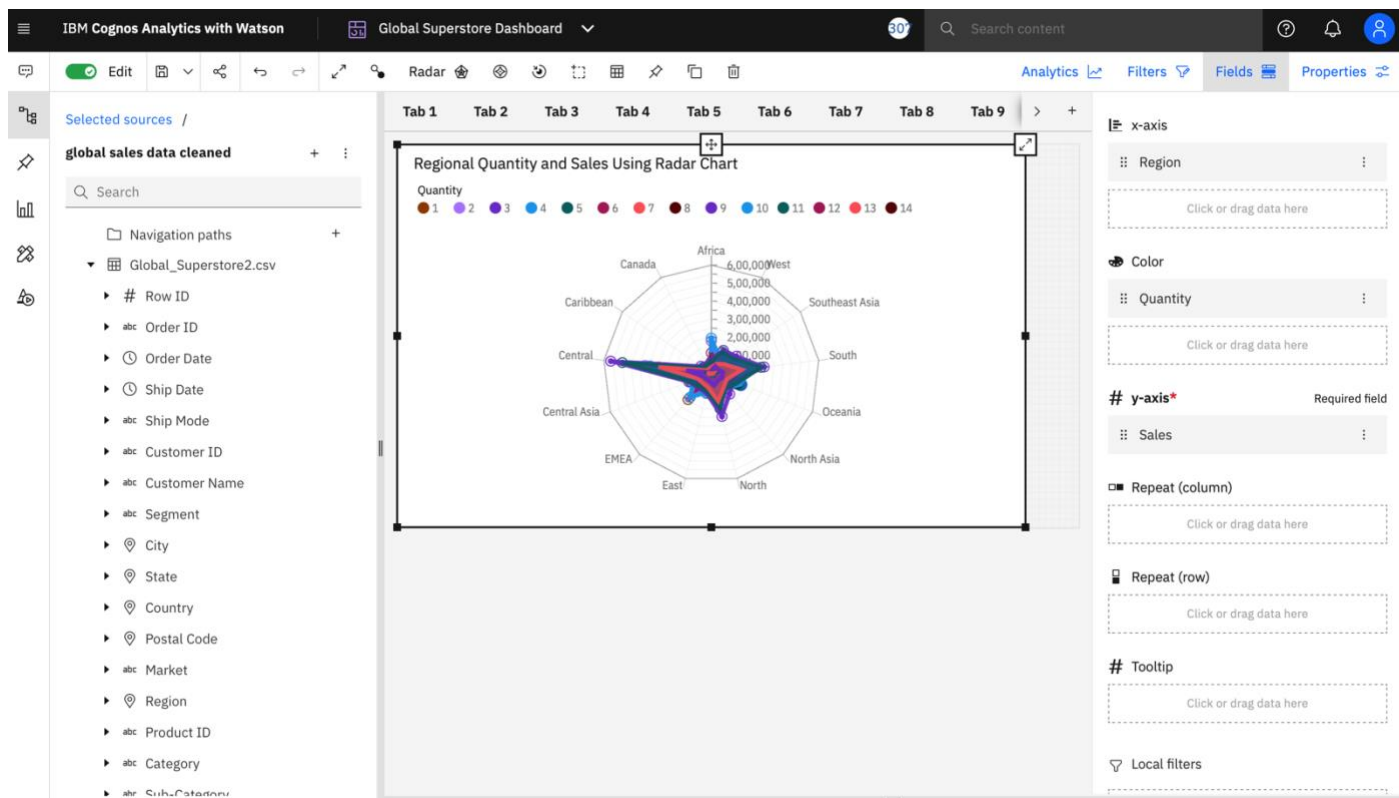
## 15. Sub category wise sales and profits using line and bar charts



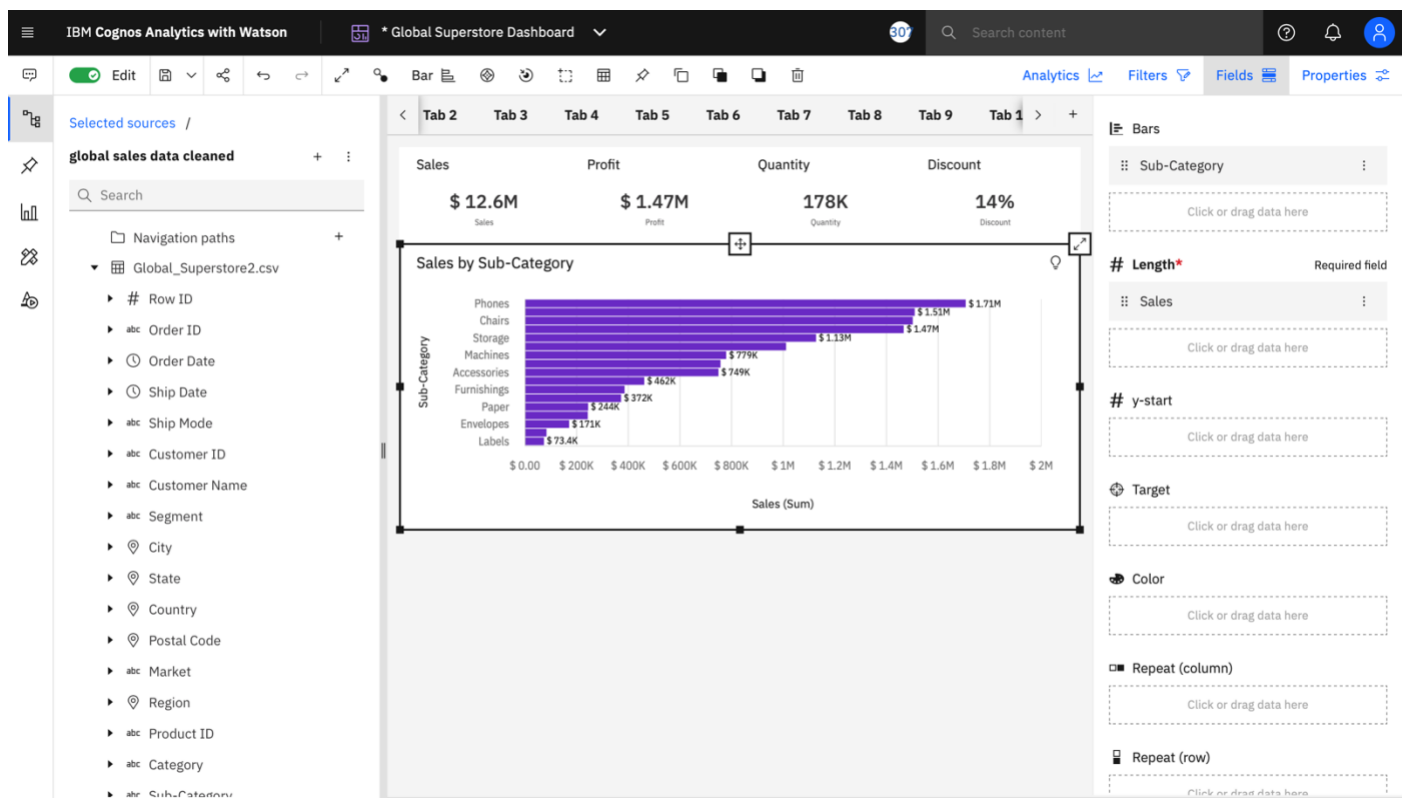
## 16. Country wise sales Vs profit using word cloud



## 17. Regional quantity and sales using Radar chart

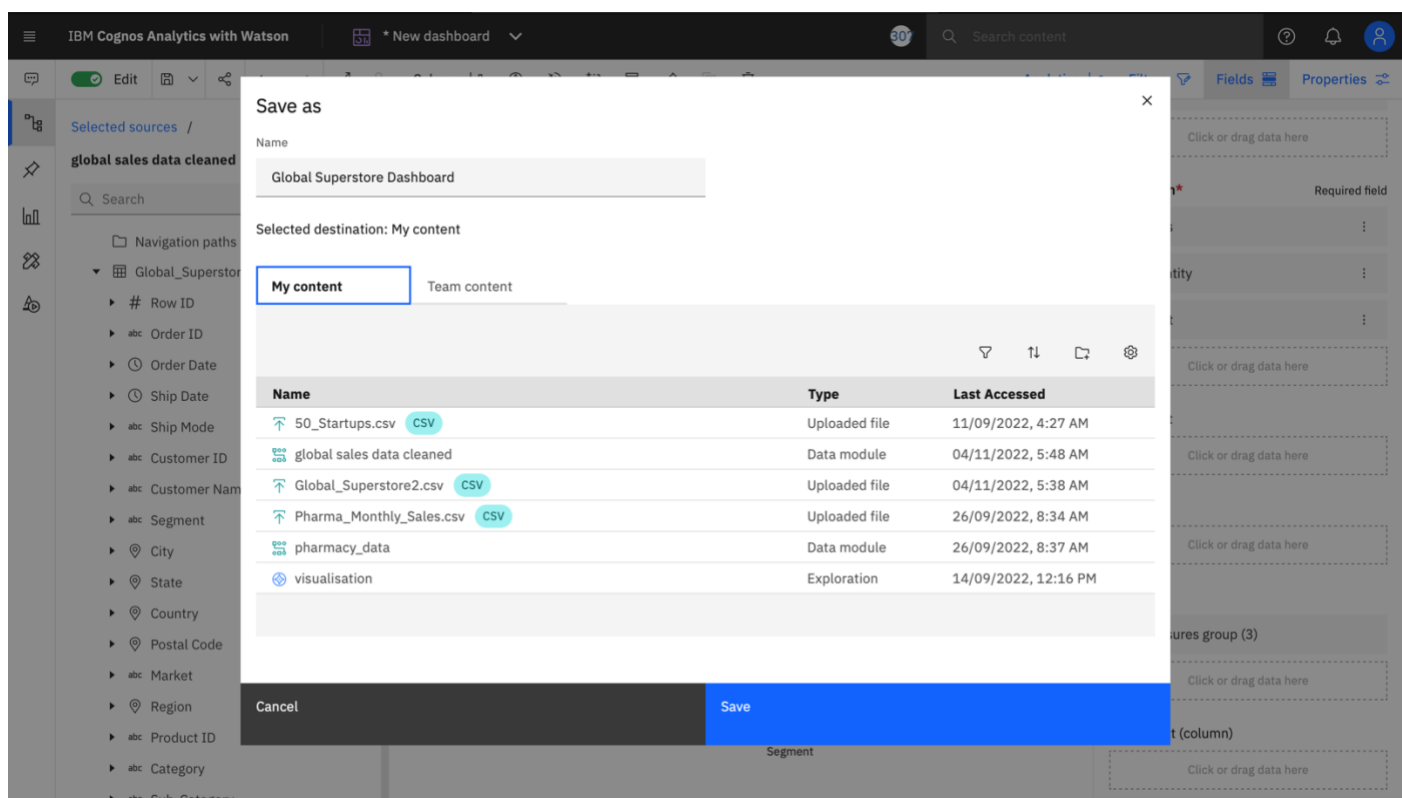


## 18. Creating a dashboard



By this Dashboard we can analyse the sales, profit, quantity, and discount of a product. And we can see the sales in terms of sub category wise.

## 19. Saving the dashboard



Finally Name the dashboard as Global Superstore Dashboard and click the save button to save the dashboard.