

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT - 3

Date	09 Nov 2022
Team ID	PNT2022TMID17402
Project Name	Global Sales Data Analytics
Team Leader	Ishwarya.L

• DATA VISUALIZATION AND PRESENTATION PHASE

SPRINT 3>>> DASHBOARD EXPLORATION AND CREATION

1. Login into the IBM Cognos Analytics Dashboard

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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, there is a header bar with the text "IBM Cognos Analytics with Watson", a search bar, and user profile icons. Below the header, there is a "Quick launch" section with four tiles:

- 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.

Below the "Quick launch" section, there is a "Get started" section with two tabs: "Get started" and "Recent". The "Get started" tab is active, showing a section titled "Get up and running in IBM Cognos Analytics". This section includes three sub-sections:

- 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](#)

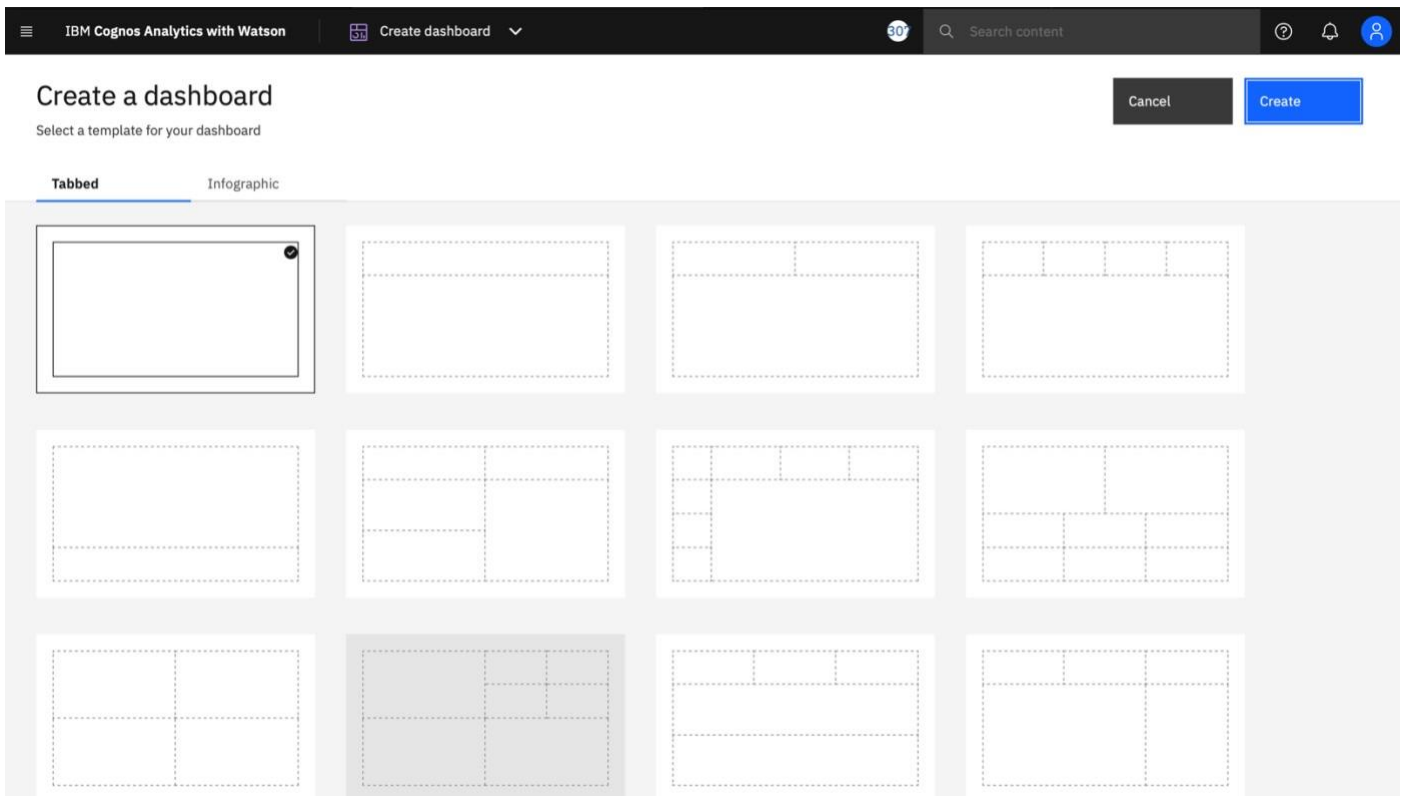
3. Click on Present Data to create the Dashboards

The screenshot shows the IBM Cognos Analytics dashboard, focusing on the "Quick launch" section. The "Present data" tile is highlighted with an orange border. The tiles are:

- 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.

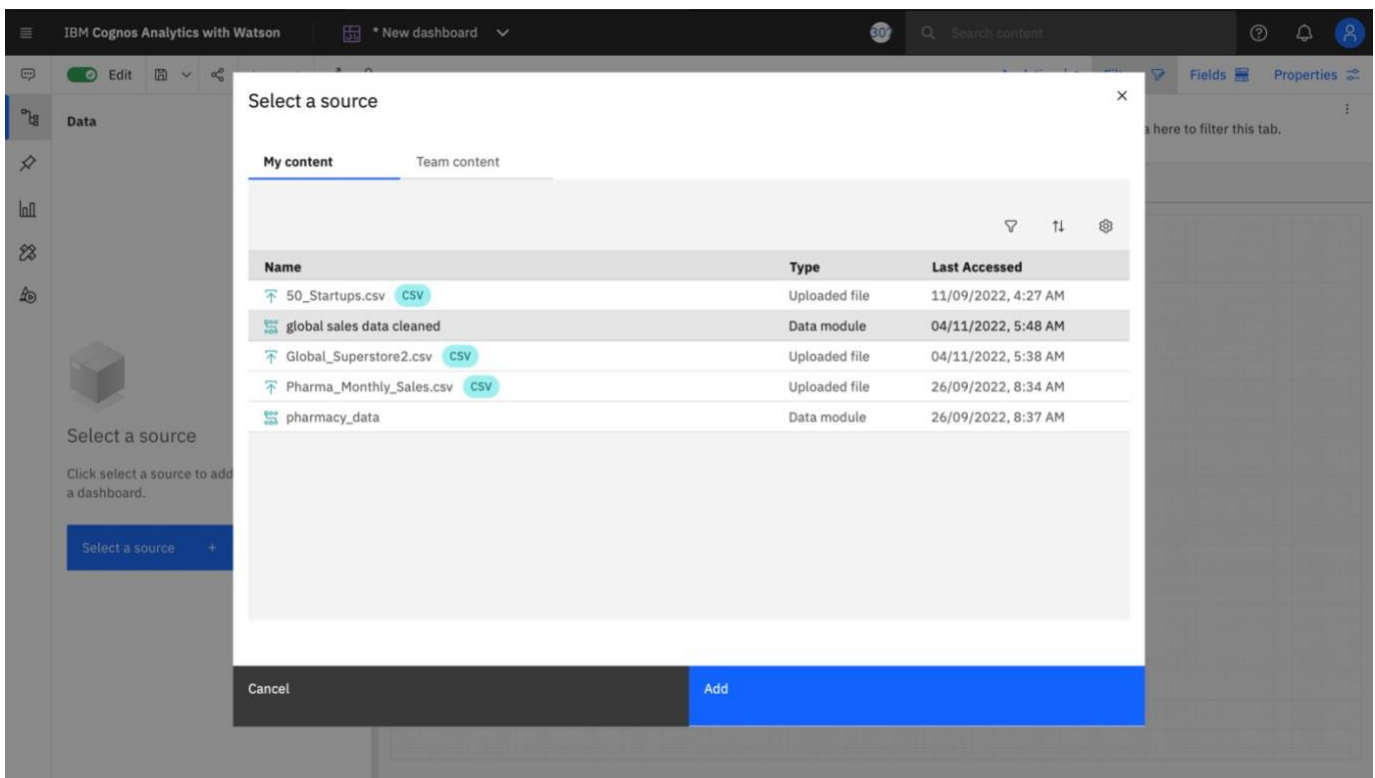
The Dashboards are used to get insights from the data and understand the business problems and create the analytical solutions to it and understand the data of the organization

4. Select the Dashboard Template to be created



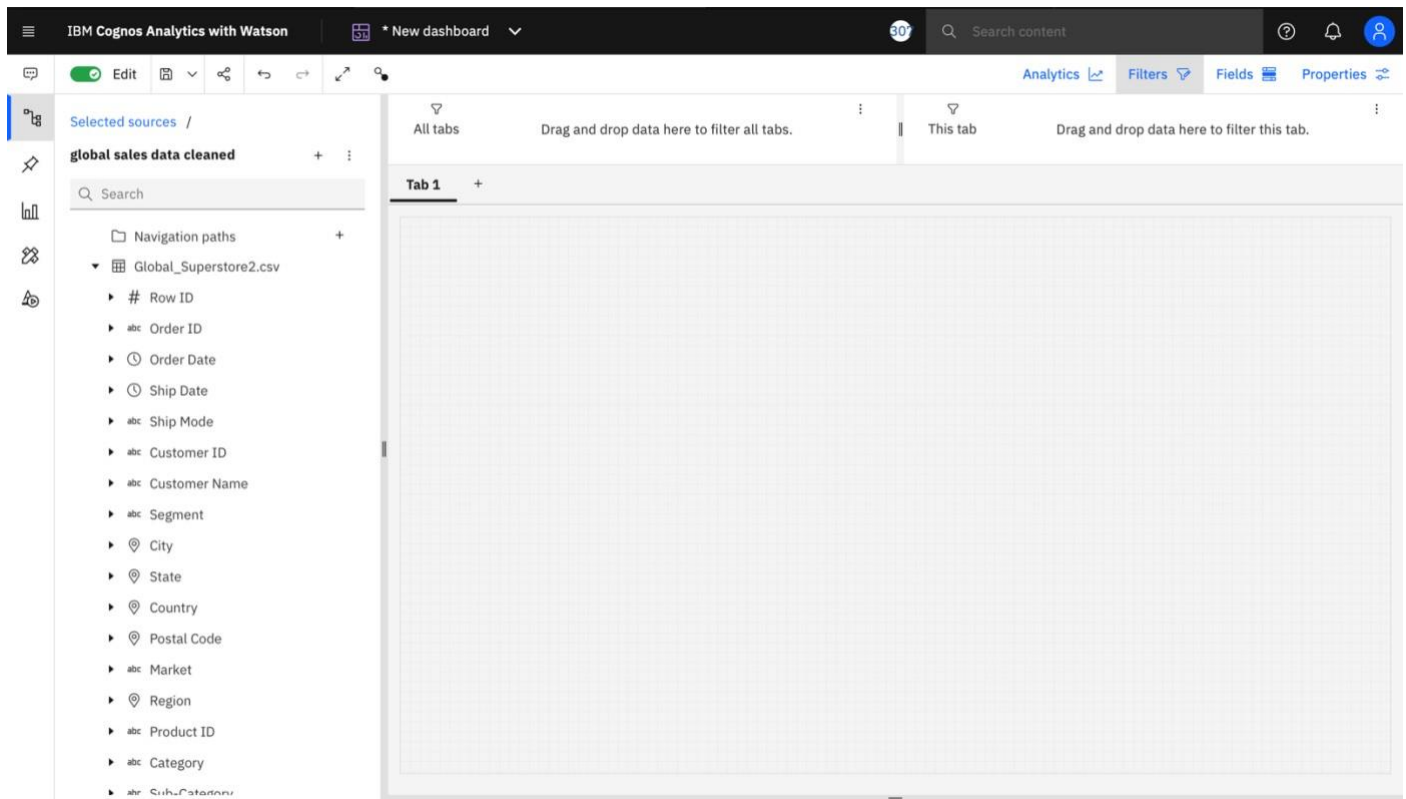
Now click on “Create” to create the empty dashboard.

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

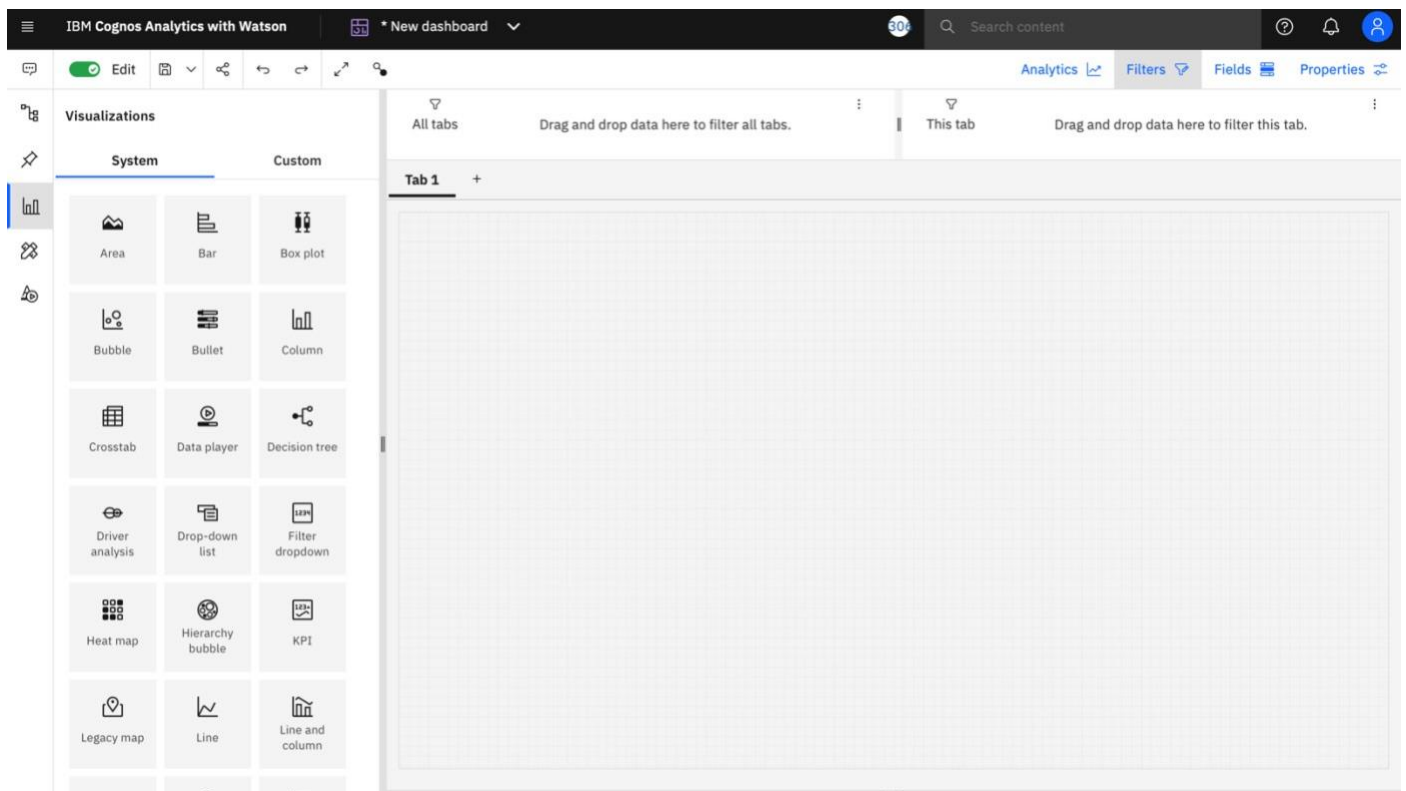


Now select the data source and click on “Add” to add the data source in order to visualize the data to get valuable insights from it.

6. Exploring the Dashboard



7. Now click on Visualizations option to create the charts



Select the Visualization charts based on the requirements.

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists 'global sales data cleaned' with a search bar and a list of fields: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, City, State, Country, Postal Code, Market, Region, Product ID, Category, and Sub-Category. The main area displays a chart titled 'Tab 1' with a bar and line visualization. The chart has four properties: 'Column color', 'Line color', 'Column length', and 'Line position', each with a 'Drag data here' placeholder. The right sidebar shows the 'Fields' and 'Properties' tabs. The 'Properties' tab is active, showing the 'Visualization properties' section with 'Visualization' and 'General' sub-tabs. The 'Color' section is expanded, showing 'Column color palette' (Carbon X Light), 'Column color' (#6929C4), 'Column heat palette' (Purple), 'Line and symbol color palette' (Carbon X Light), and 'Line and symbol color' (#1192E8).

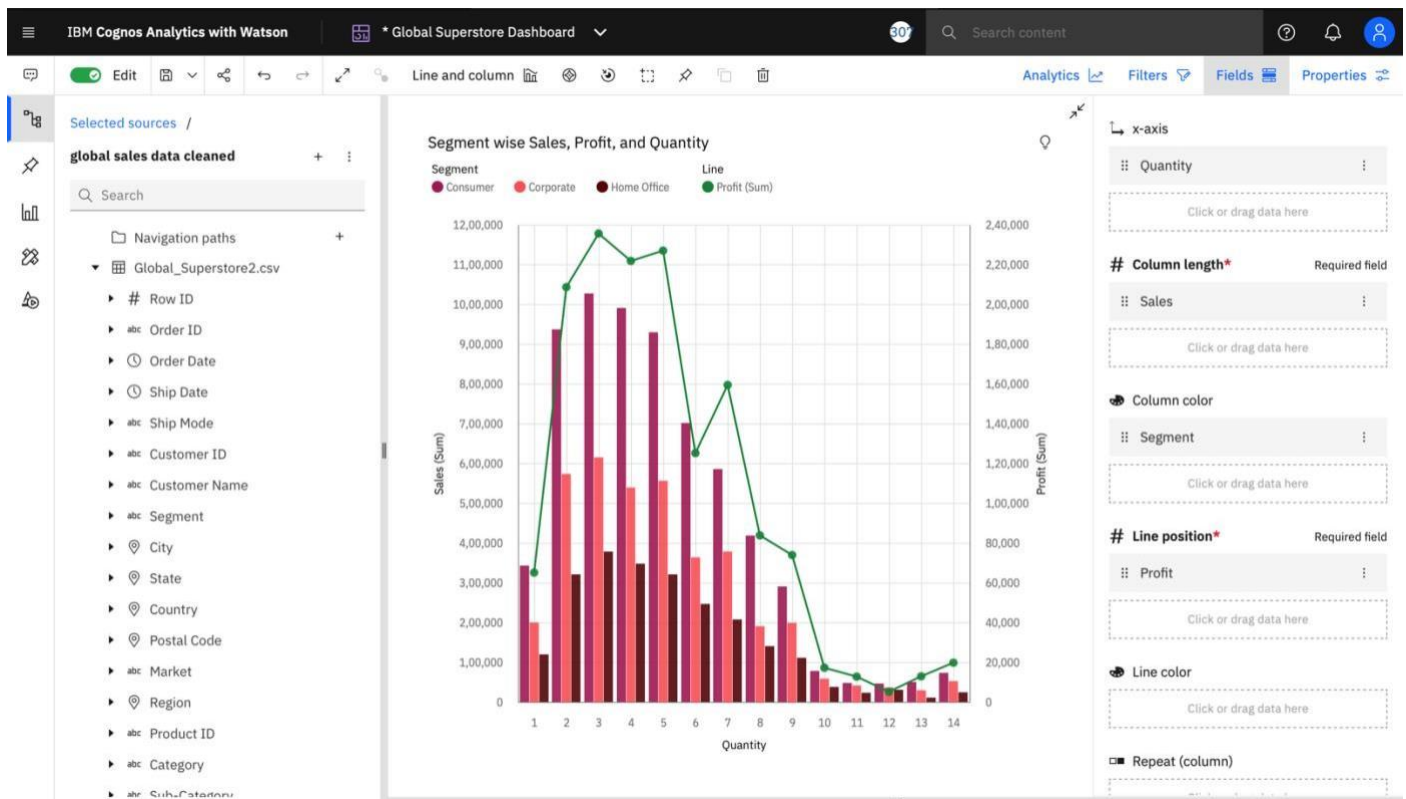
8. Chart Fields and Properties

This screenshot shows the 'Fields' tab in the IBM Cognos Analytics interface. It displays the same chart as the previous screenshot, but with the 'Fields' tab selected. The 'Fields' tab shows the chart's fields and properties, including 'x-axis', 'Column length', 'Column color', 'Line position', 'Line color', 'Repeat (column)', 'Repeat (row)', and 'Local filters'.

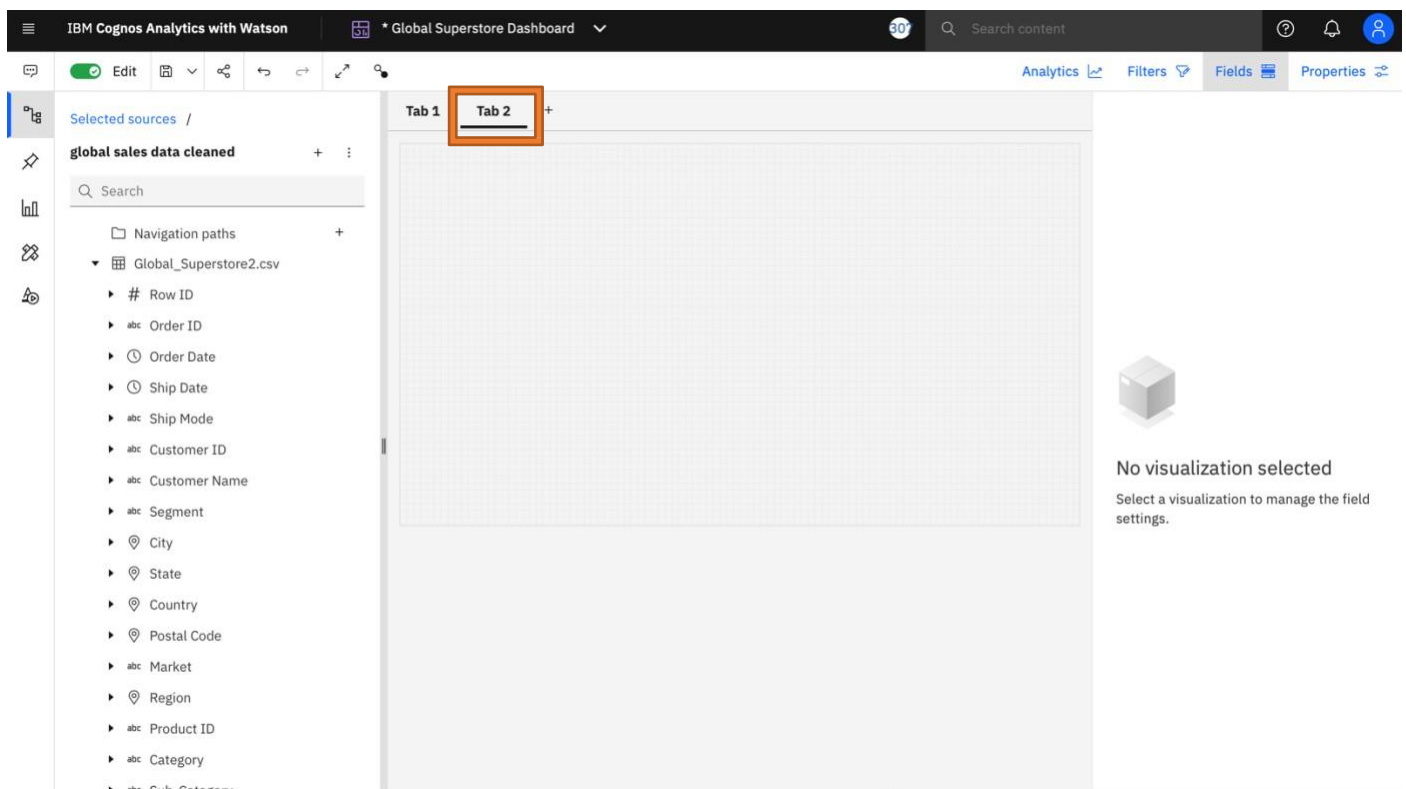
This screenshot shows the 'Properties' tab in the IBM Cognos Analytics interface. It displays the 'Visualization properties' section, which includes 'Visualization' and 'General' sub-tabs. The 'Color' section is expanded, showing the 'Column color palette' (Carbon X Light), 'Column color' (#6929C4), 'Column heat palette' (Purple), 'Line and symbol color palette' (Carbon X Light), and '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

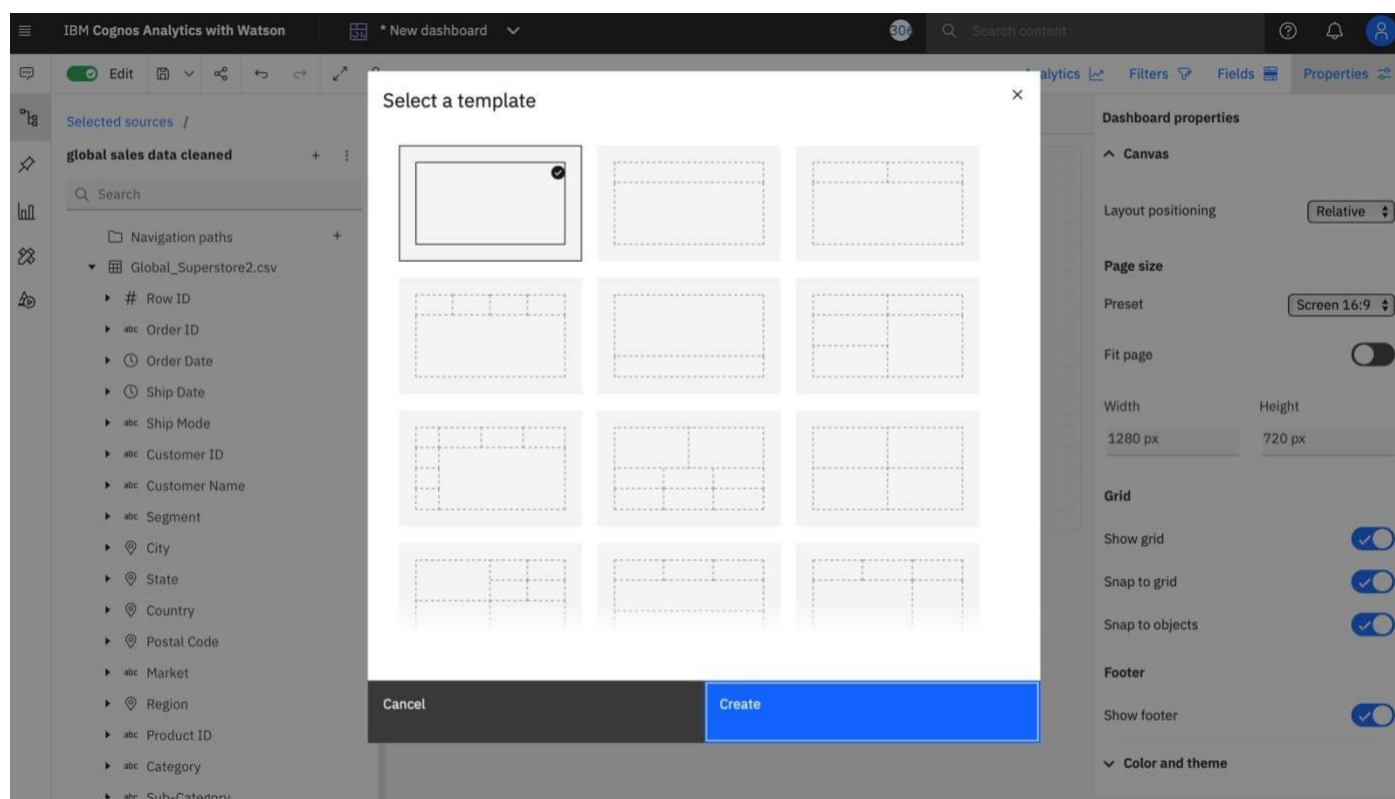


10. . Create a New Tab

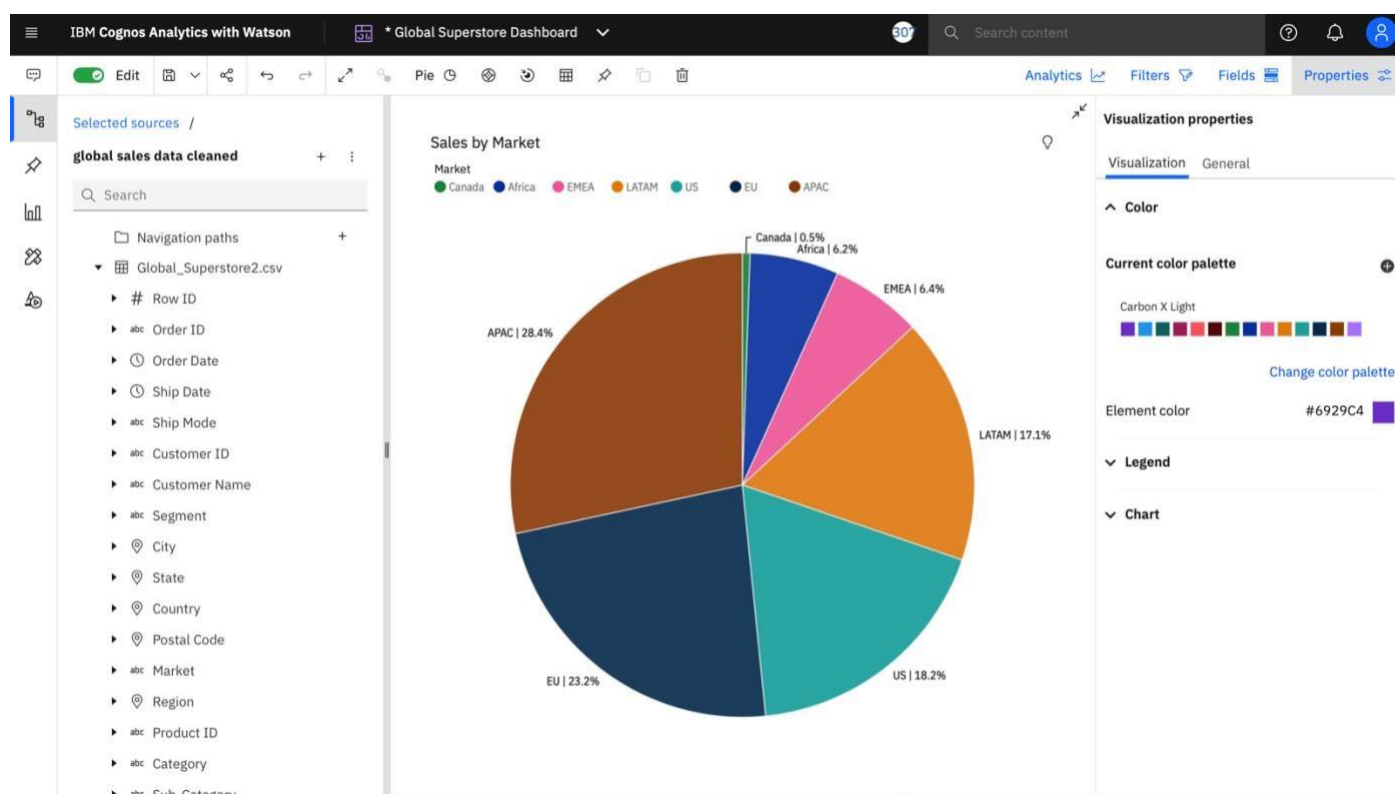


Click on the new tab option as shown in above figure to create a new Tab for creating another chart. We can have any number of tabs in this dashboard.

11. Select the Template for the Tab



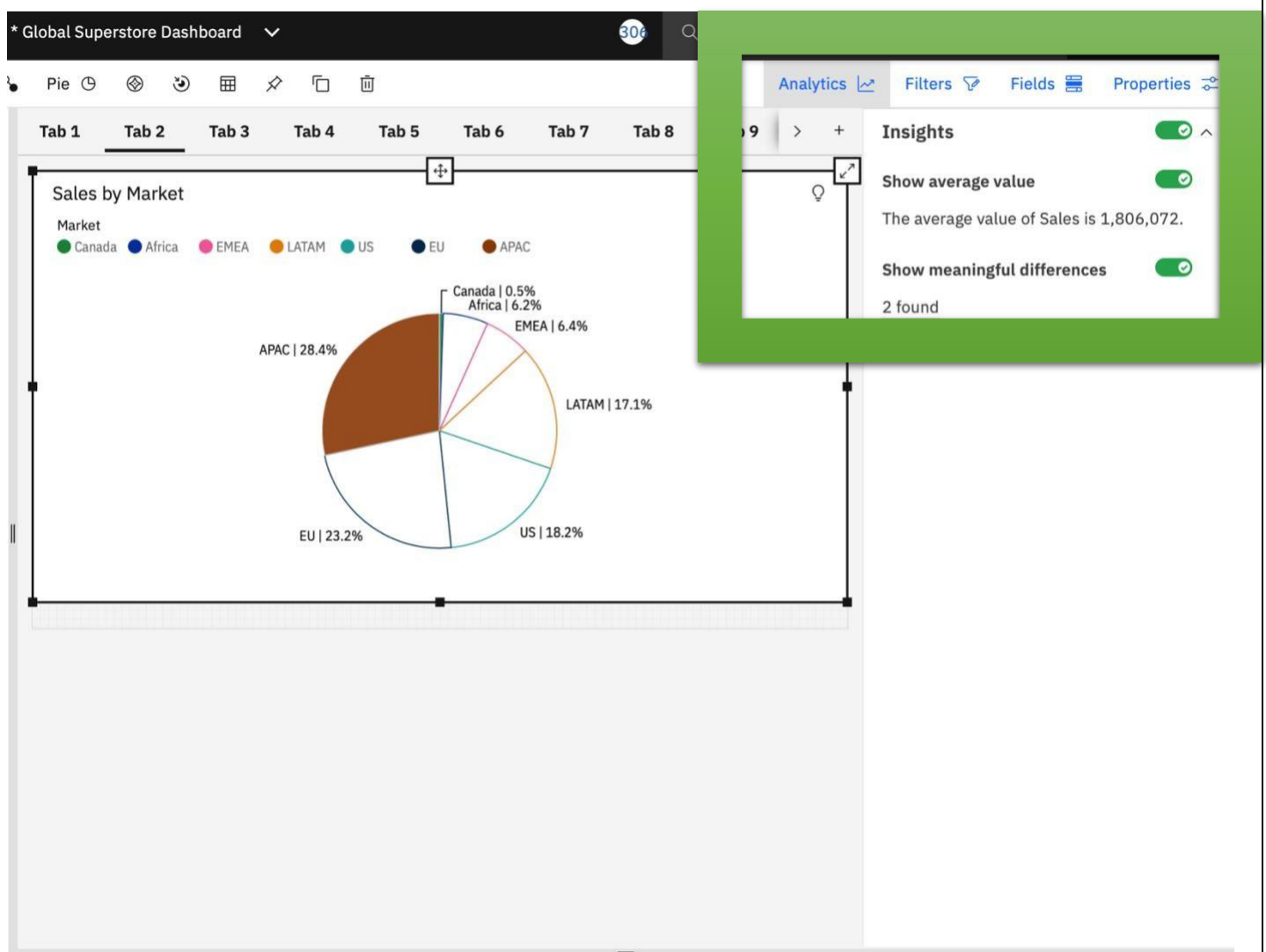
12. Sales By Market



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

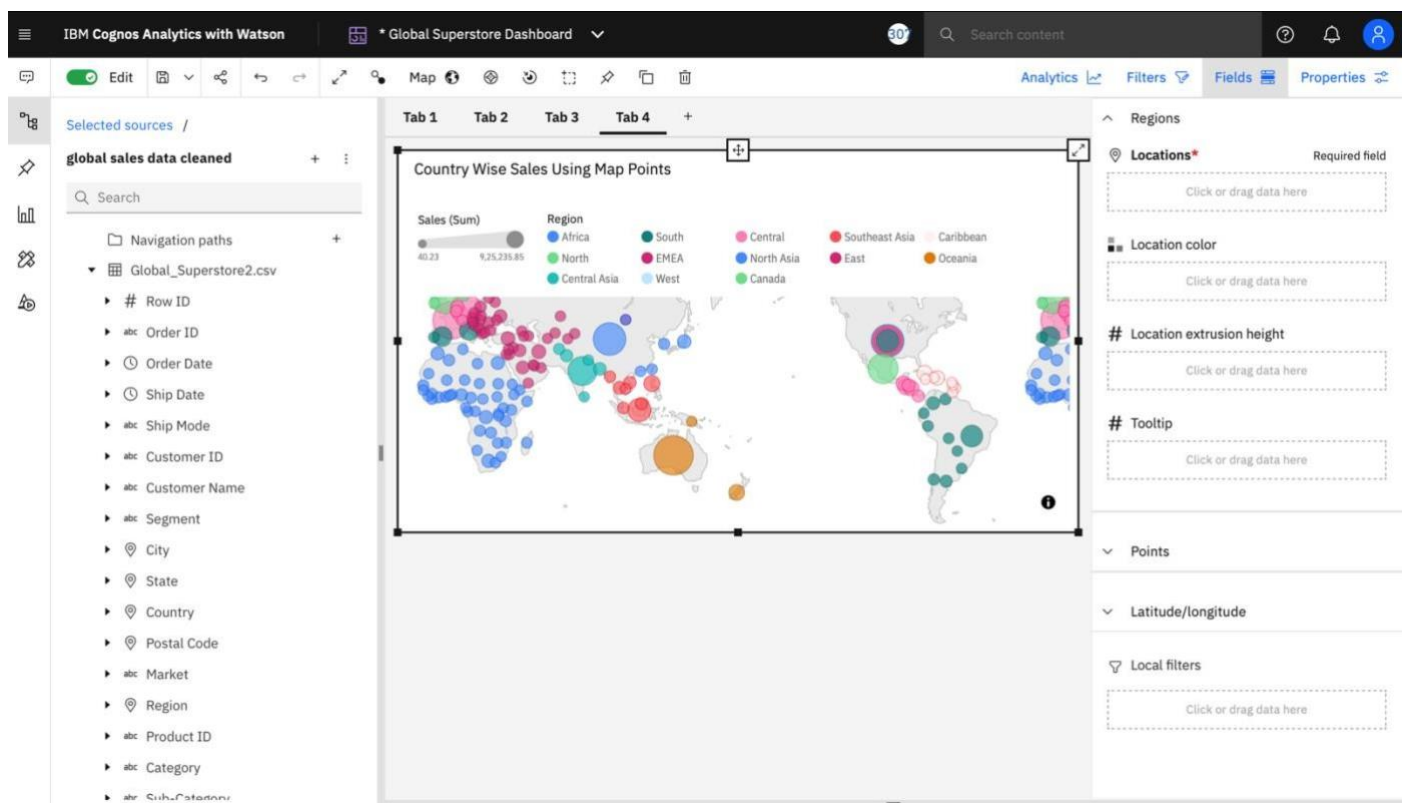
13. Getting Insights from the charts

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

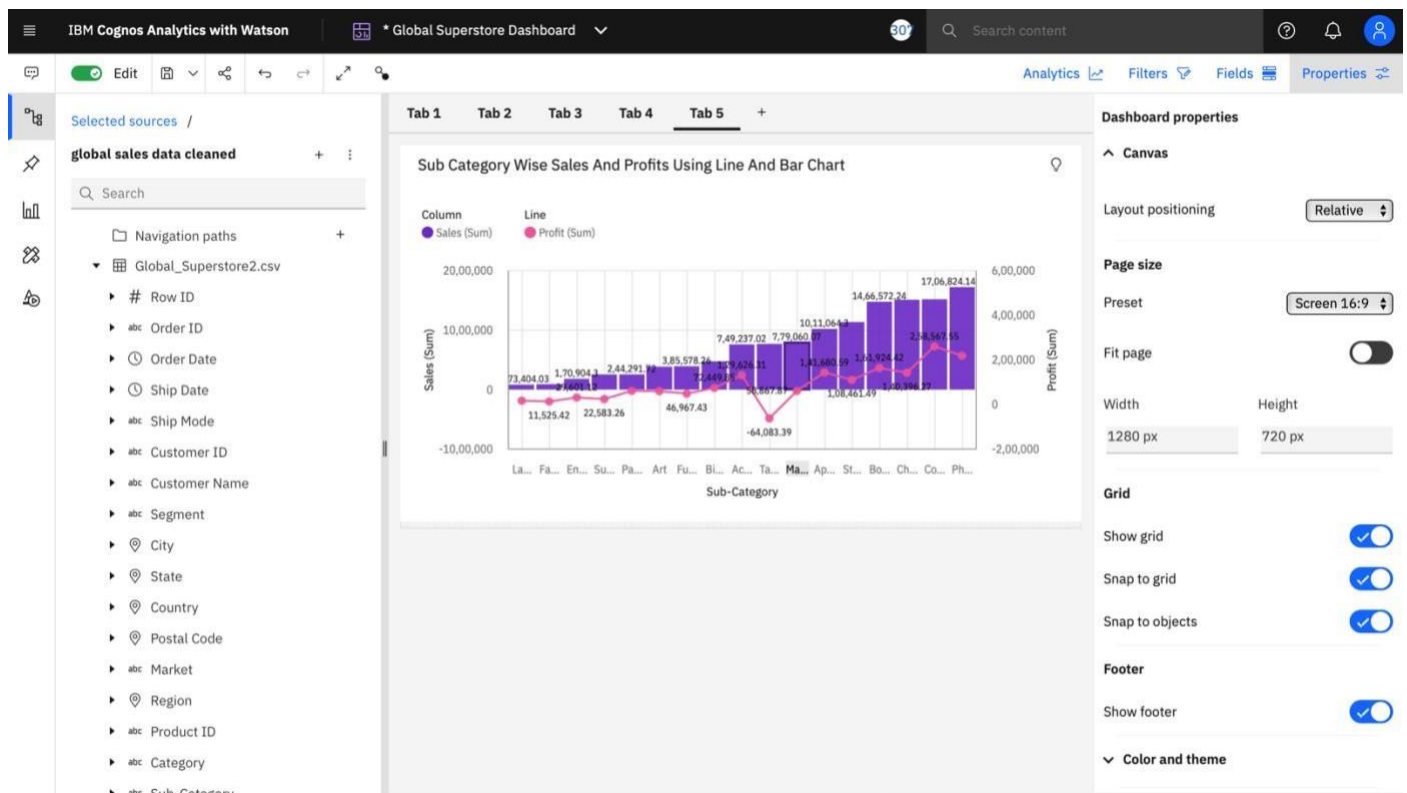


The Insights about the data gives the lot of information about the business problems. And give the meaningful data driven solution to it.

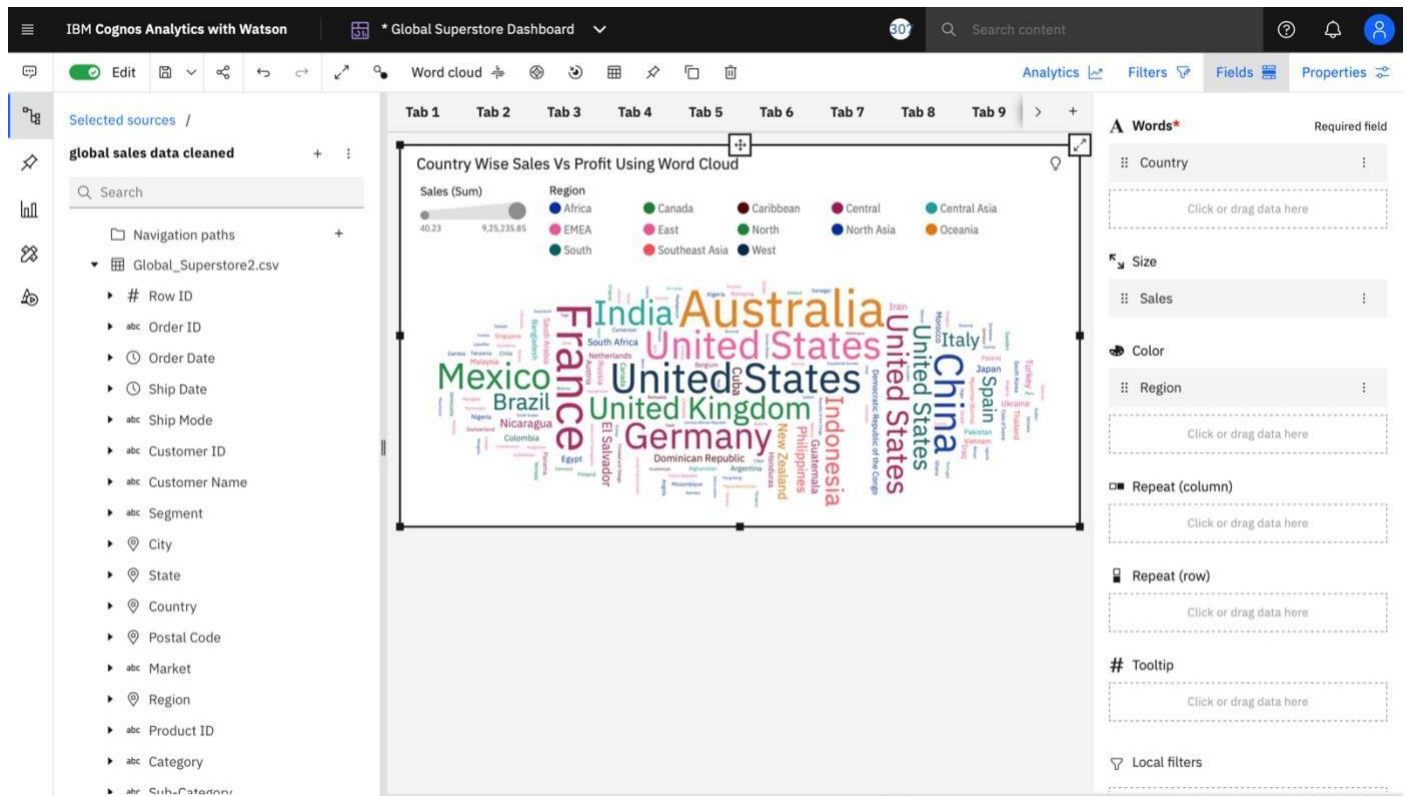
14. Country wise sales using the Map points.



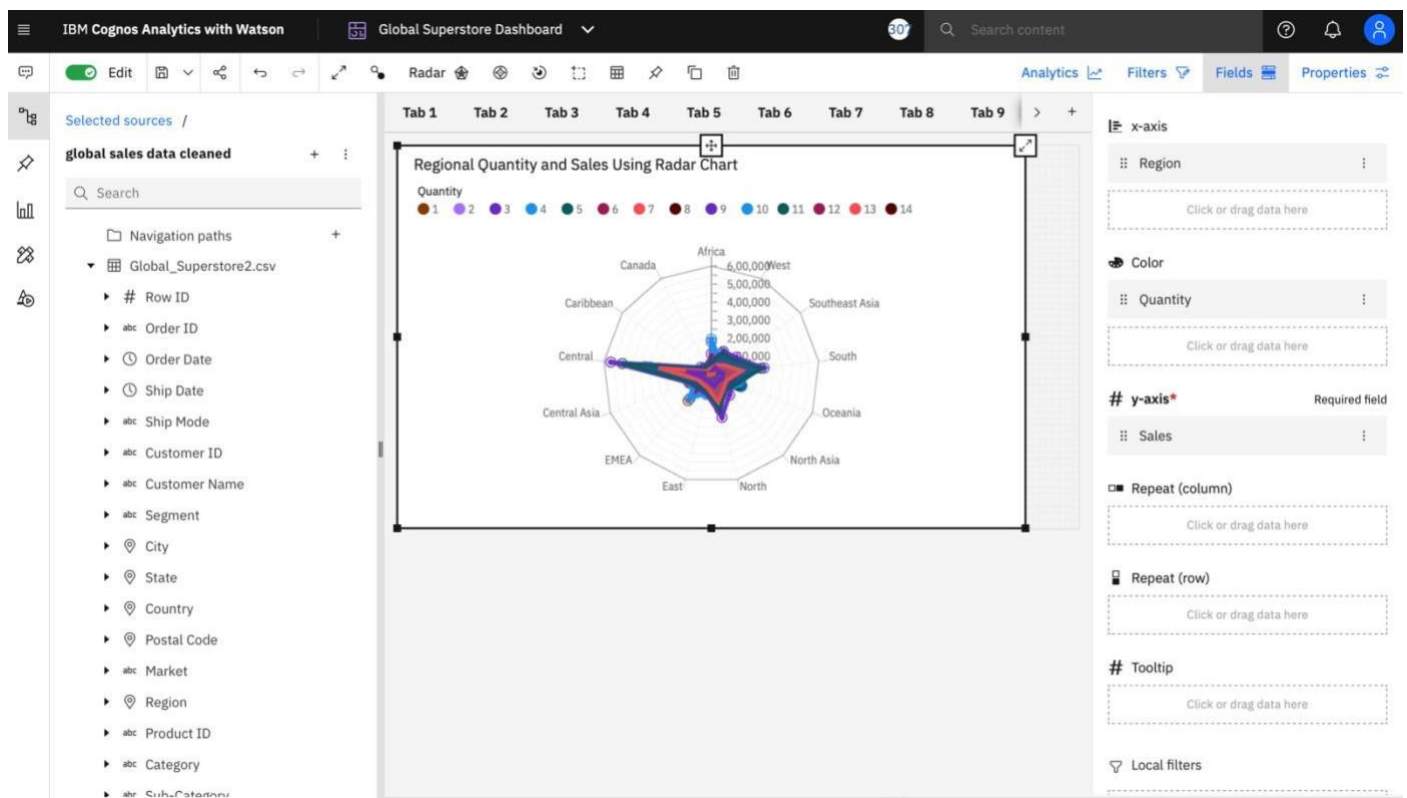
15. Sub category wise sales and profits using line and bar charts



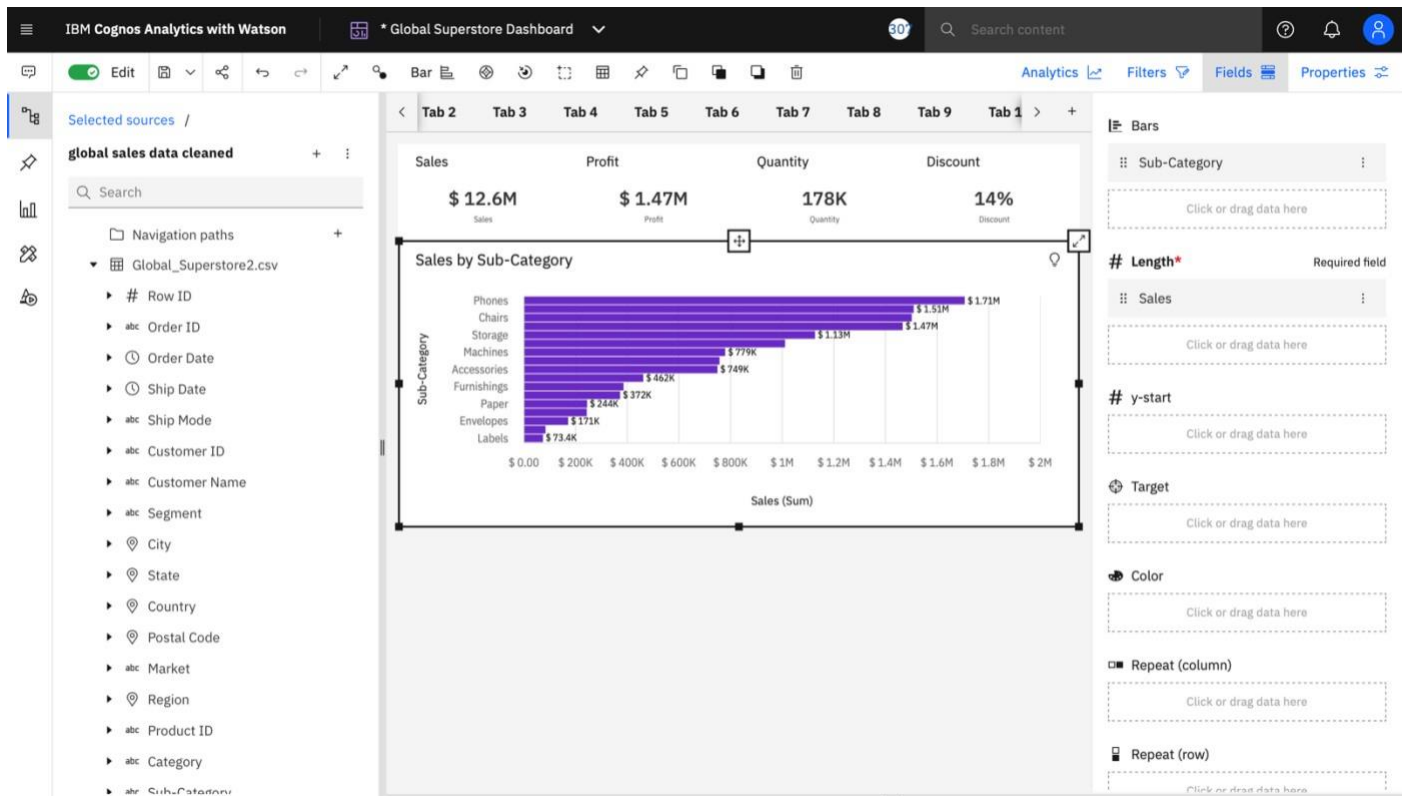
16. Country wise sales Vs profit using word cloud



17. Regional quantity and sales using Radar chart

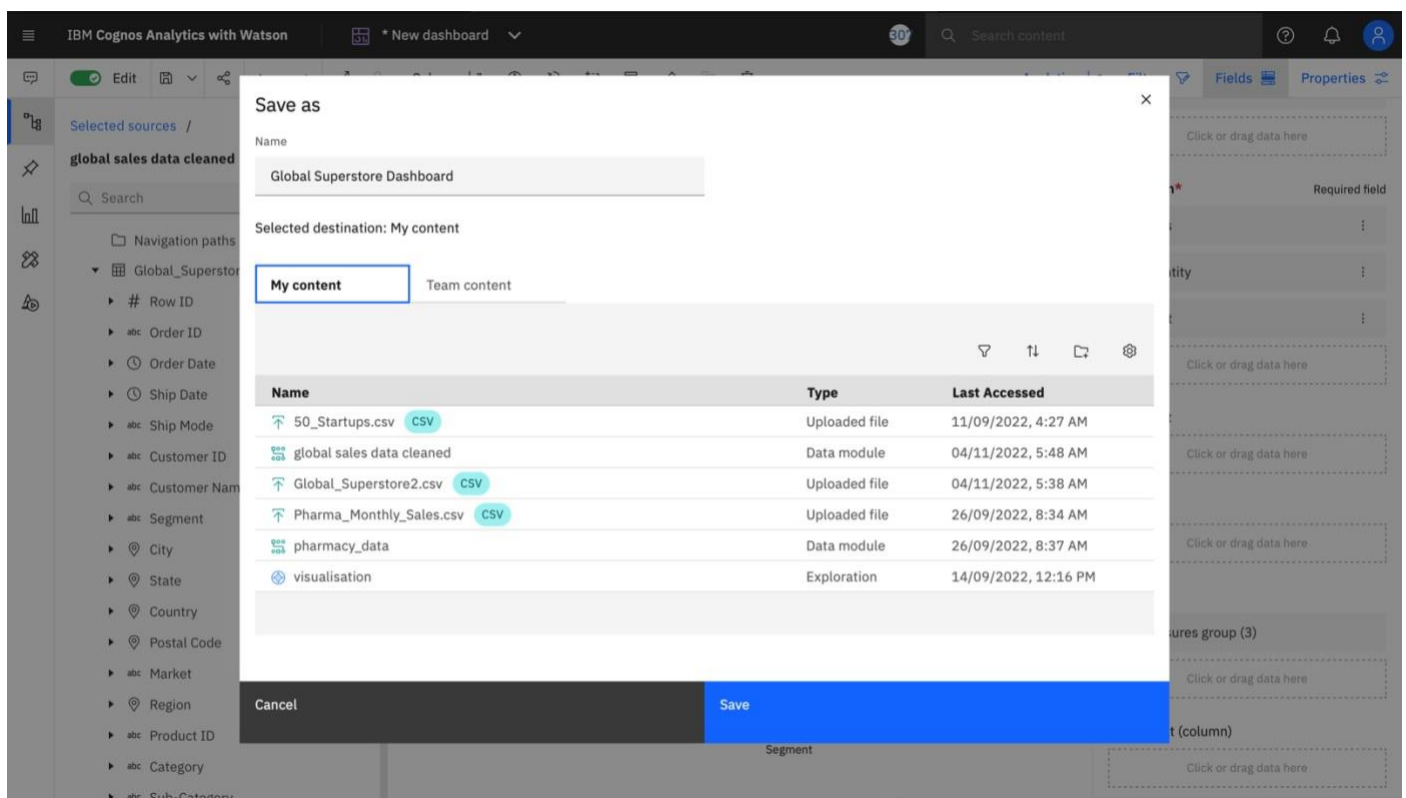


18. Creating a dashboard



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.