

Project Development Phase

Sprint 2

Date	03 November 2022
Team ID	PNT2022TMID41225
Project Name	Global Sales Data Analytics

Sprint 2 tasks:

- Connecting data from IBM cloud to IBM cognos
- Connecting schema and table
- Data visualization
- Prepare the dataset
 - Data Joins
 - Data calculations
 - Data navigation
 - Data formatting
- Creating Dashboard

Connecting data from IBM cloud to IBM cognos:

The screenshot displays the IBM Cognos Analytics with Watson web application. The browser's address bar shows the URL `us1.ca.analytics.ibm.com/bi/?perspective=home`. The application header includes the title "IBM Cognos Analytics with Watson", a search bar, and user profile icons. A blue banner at the top of the main content area reads: "Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events". On the left, a sidebar menu is open, showing "Data server connections" with a table of active connections:

Name	Modified
Global sales	11/14/2022 5:54 AM
Weather Company	3/31/2022 8:44 PM

The main content area features a large hero image with the text "Analytics with" and "roduction video, product tour". Below this, three cards are visible: "data" (modules to clean it data from), "Exploration" (Quickly find unbiased answers by identifying trends), and "Present data" (Create sophisticated, multi-page, multi-query).

Connecting schema and table:

IBM Cognos Analytics with Watson

Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events

Data server connections

Name	Modified
Global sales	11/14/2022 5:54 AM
Weather Company	3/31/2022 8:44 PM

Analytics with

Production video, product tour

data

Exploration

Present data

IBM Cognos Analytics with Watson

Global sales

Owner: DHAR ... 92b706

Created: 11/14/2022, 5:54 AM

Modified: 11/14/2022, 5:54 AM

Type: Data Server

General Connections Permissions

Name Modified

Global sales 11/14/2022 7:25 AM

Global sales

Owner: DHAR ... 92b706

Created: 11/14/2022, 5:54 AM

Modified: 11/14/2022, 7:25 AM

Type: Connection

General Settings Schemas Permissions

Connection details

Authentication method

☒ Connect anonymously

☐ Prompt for the user ID and password

☐ Use an external namespace

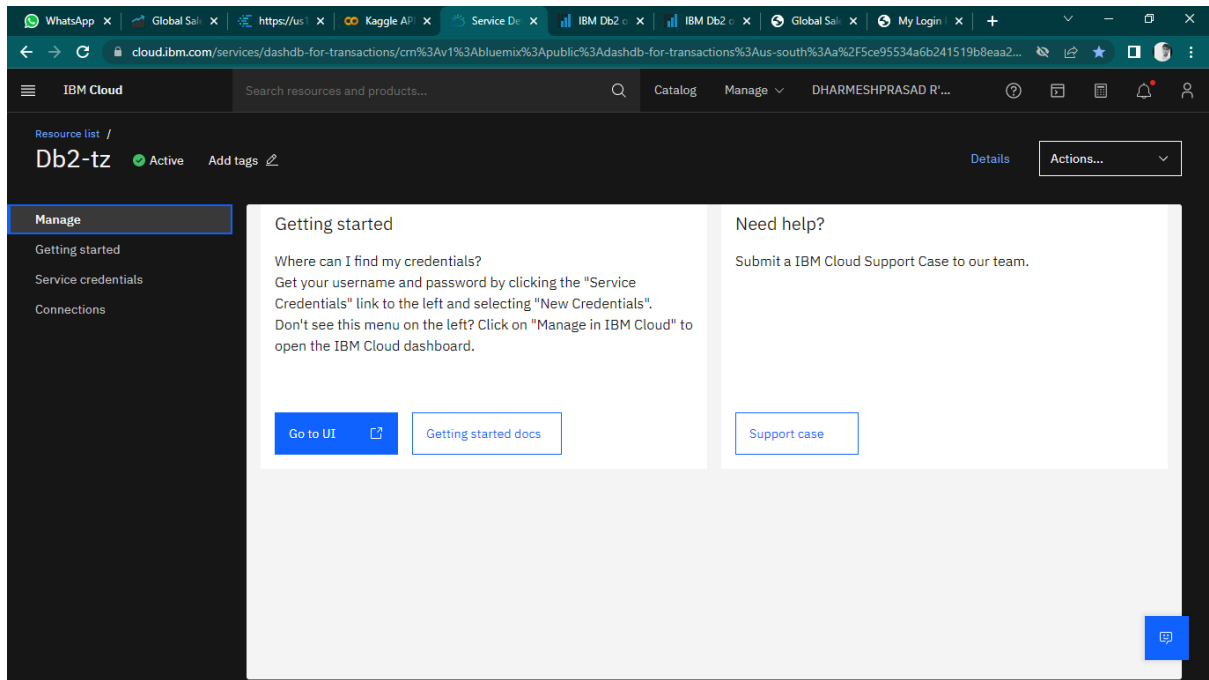
☐ Use the following signon:

Test Success

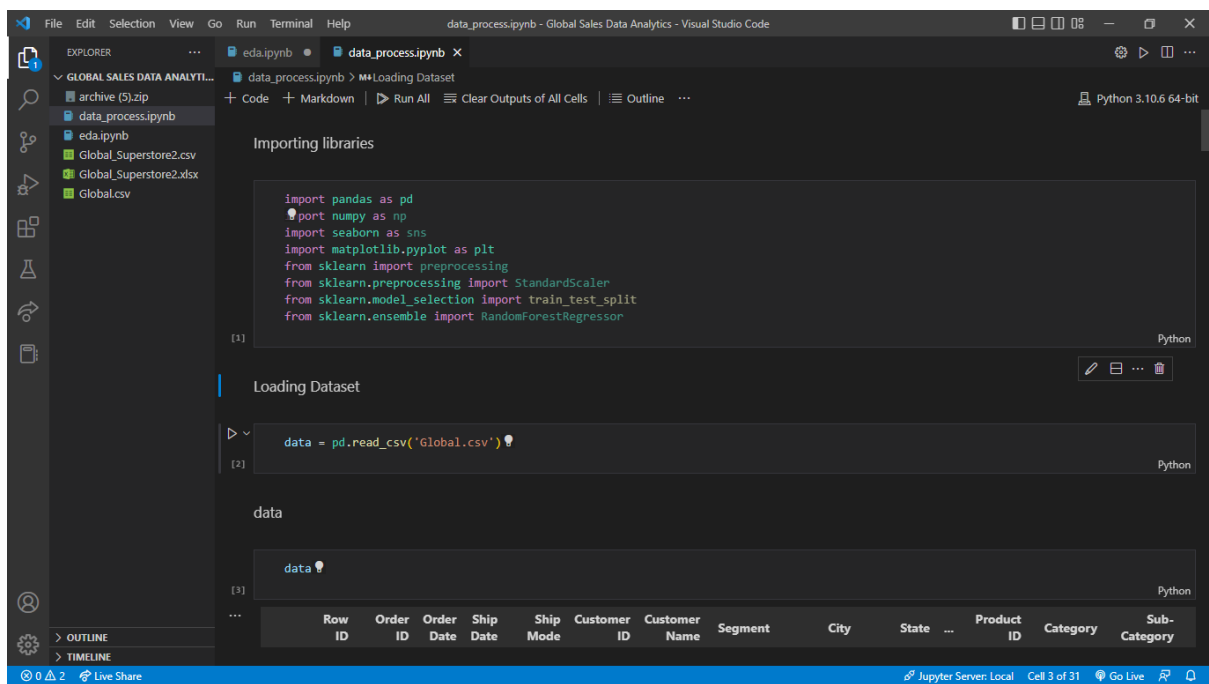
Save

Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stori...



Data visualization:

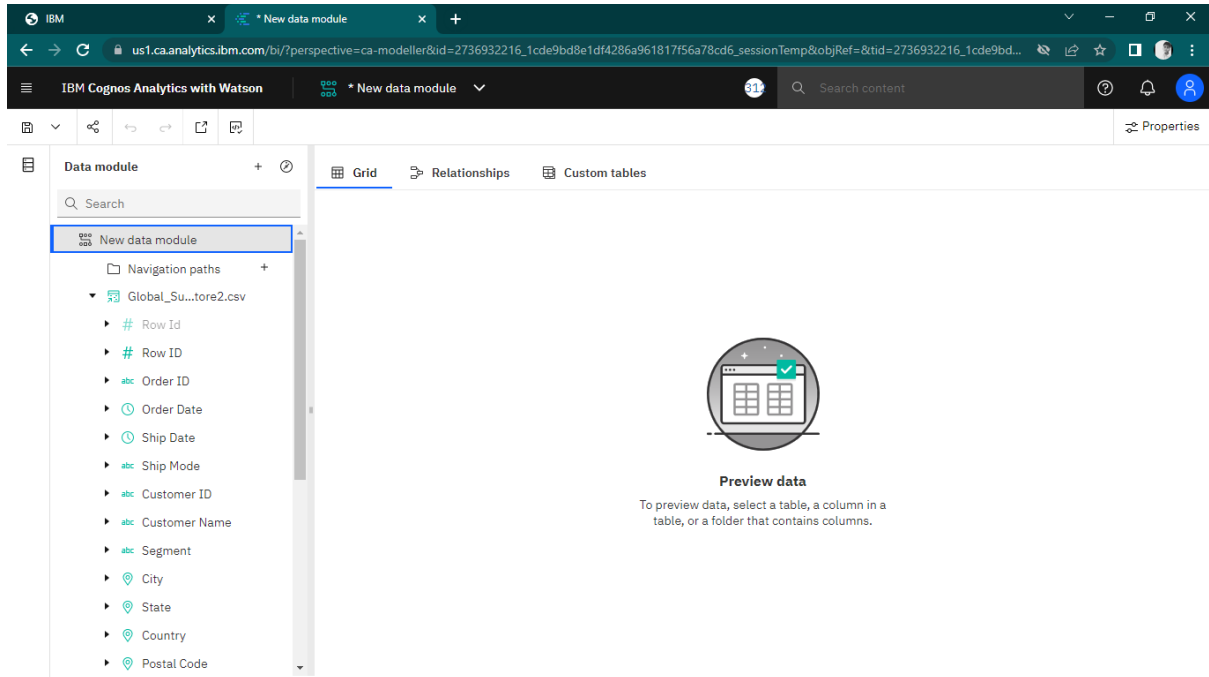


Prepare the dataset:

Understanding rows and columns of the data.

a. Data Joins:

Analysing that the dataset module requires joins.

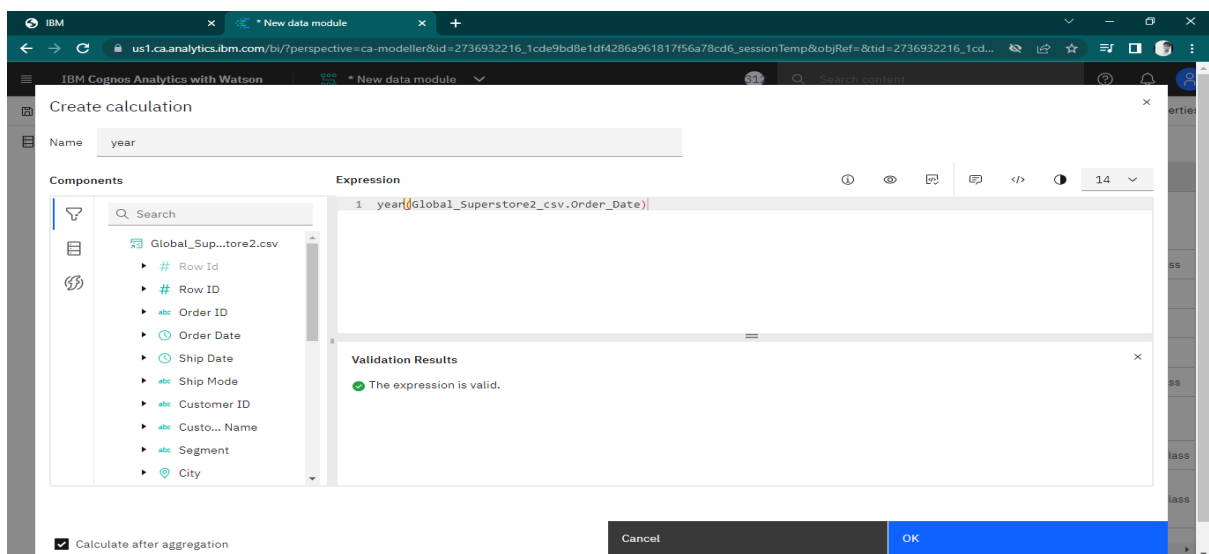


b. Data Calculations:

Creating calculations for extracting year, month and day from order date column.

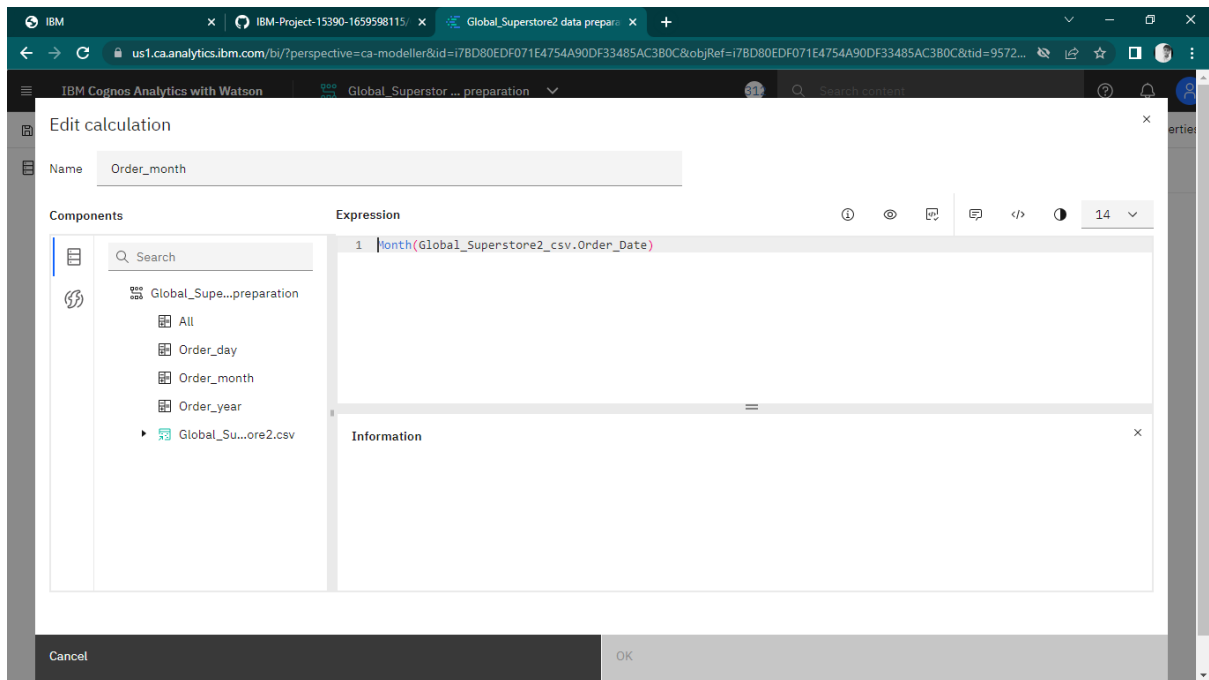
1. Year calculation

Creating calculations for extracting year from order date column.



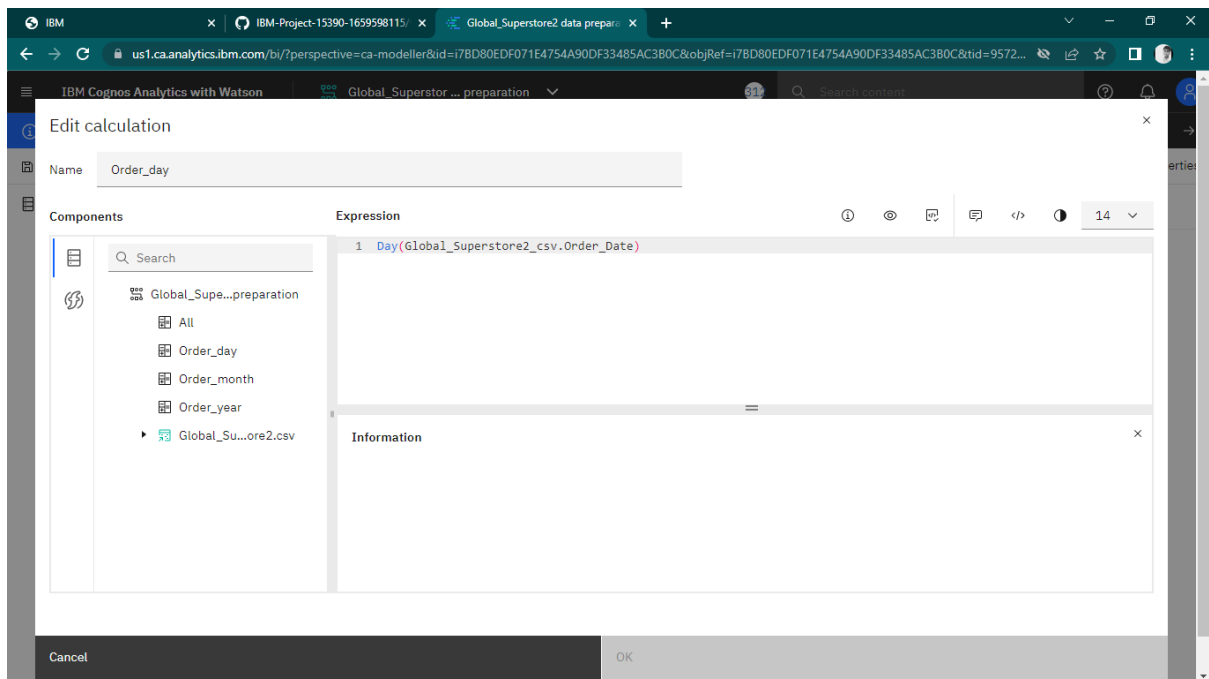
2. Month calculation

Creating calculations for extracting month from order date column.



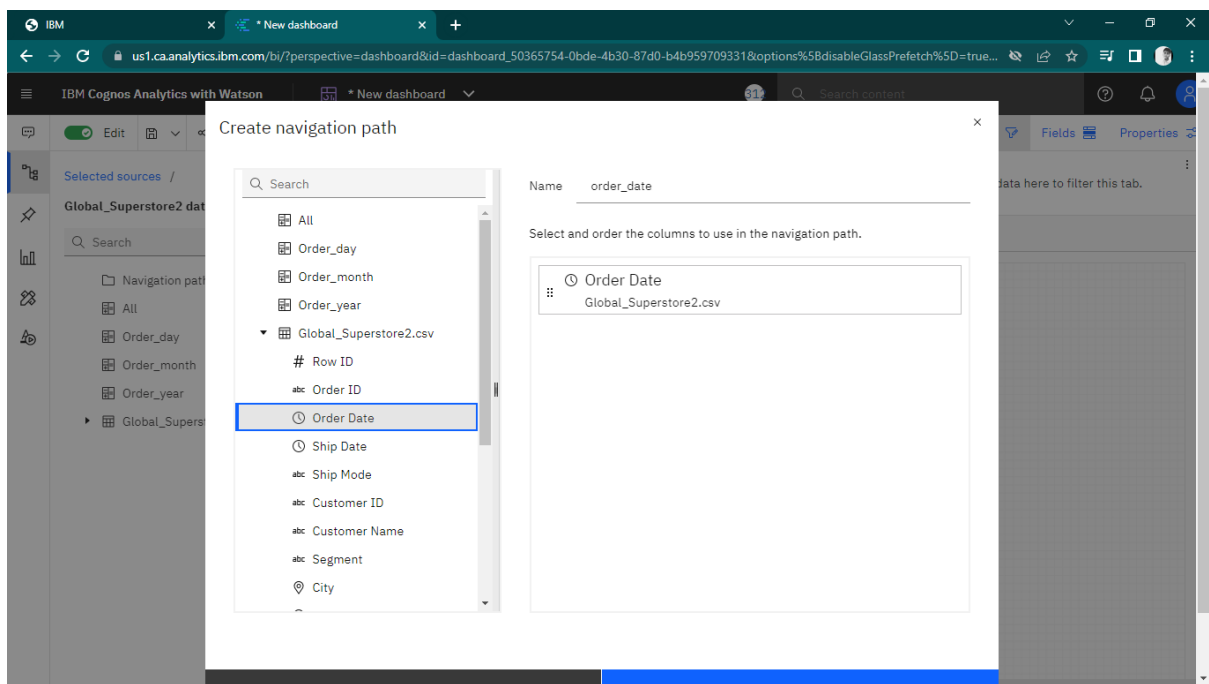
3. Day calculation

Creating calculations for extracting day from order date column.



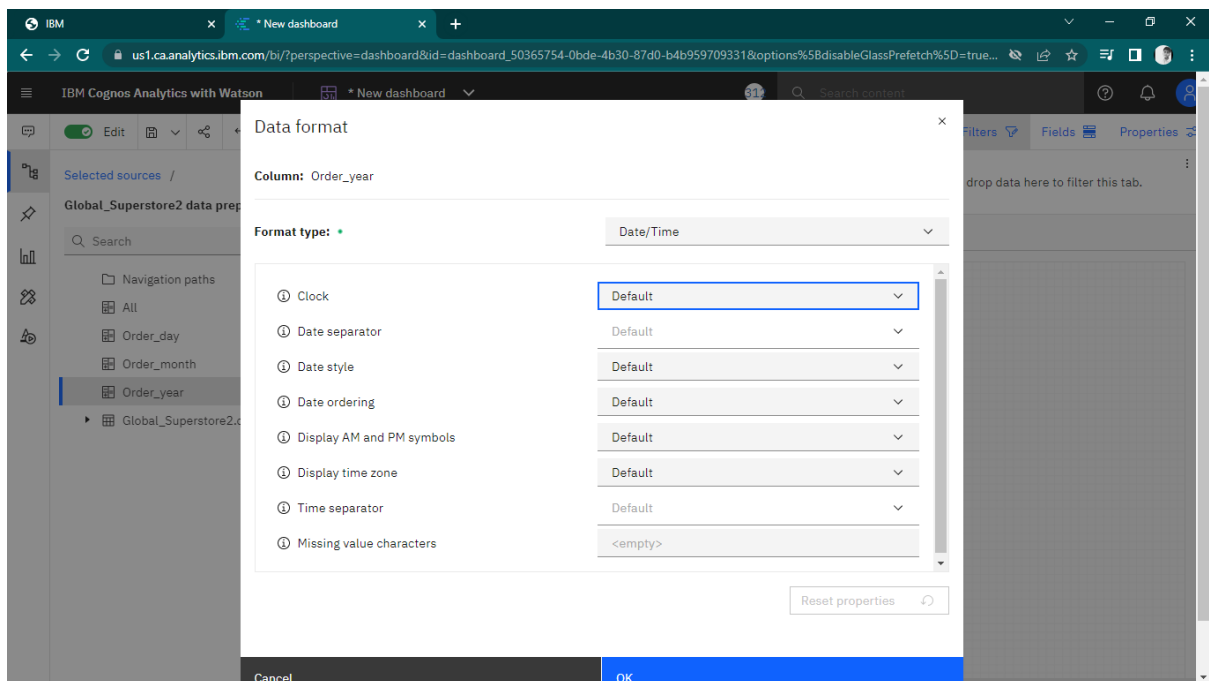
c. Navigation path:

Creating navigation path for order date, order year, order month and order day



d. Data formatting:

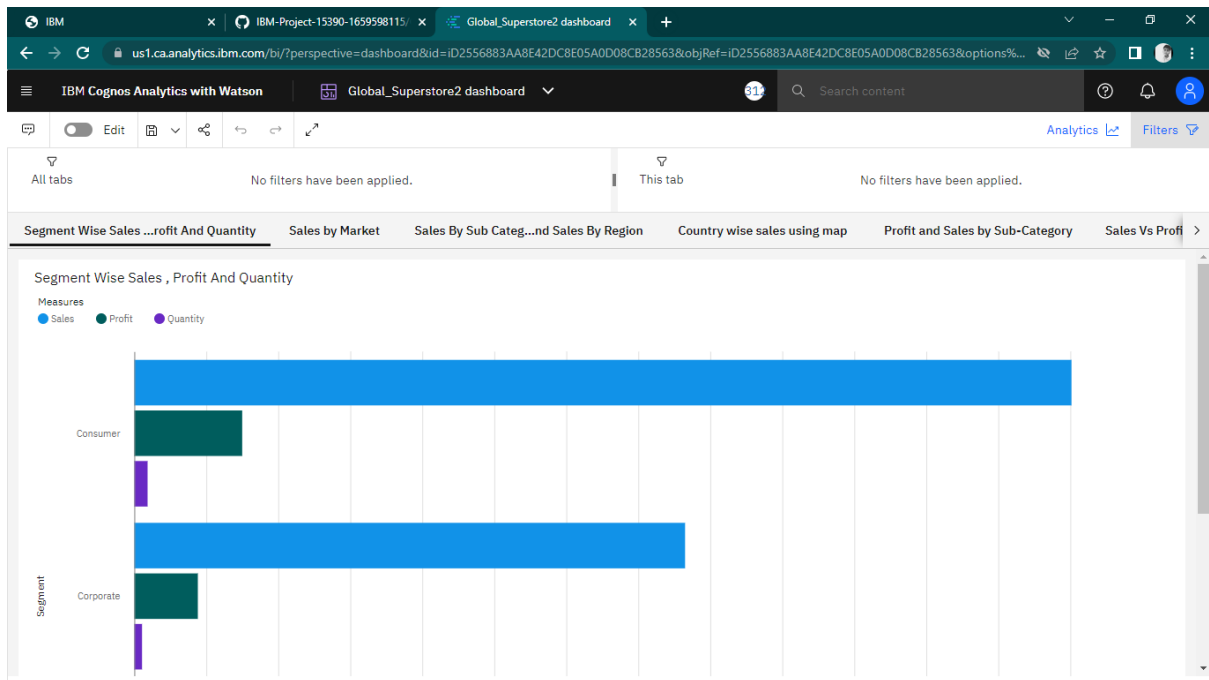
Creating navigation path for order date, order year, order month and order day.



Creating Dashboard:

Segment wise sales, Profit and Quantity:

The following bar chart shows the distribution of Sales, Profit and Quantity by segments.



Sales by Market:

The below Pie visualization represents the Sales distribution by market.

