

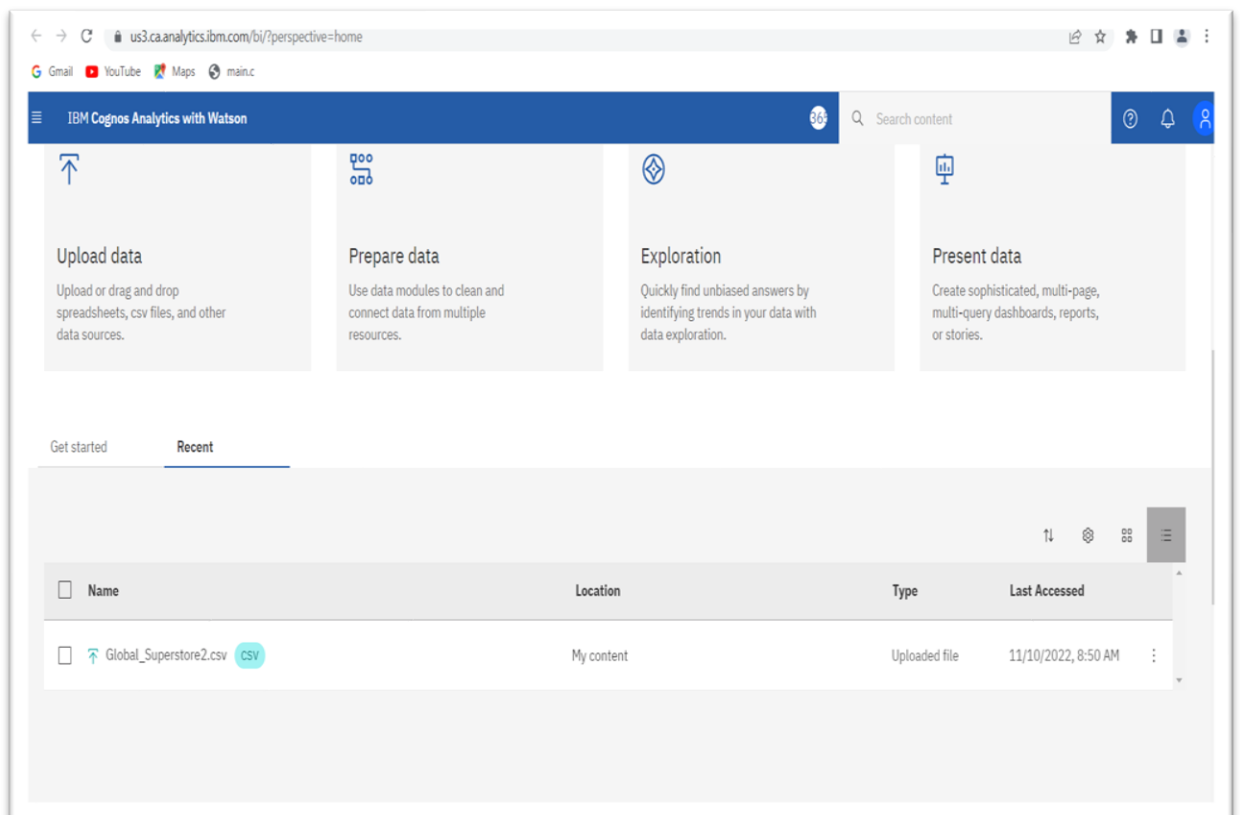
# Project Development Phase

## Delivery of Sprint – 2

<b>Date</b>	<b>: 09 November 2022</b>
<b>Team ID</b>	<b>: PNT2022TMID23152</b>
<b>Project name</b>	<b>: Global Sales Data Analytics</b>

### Data preparation phase :

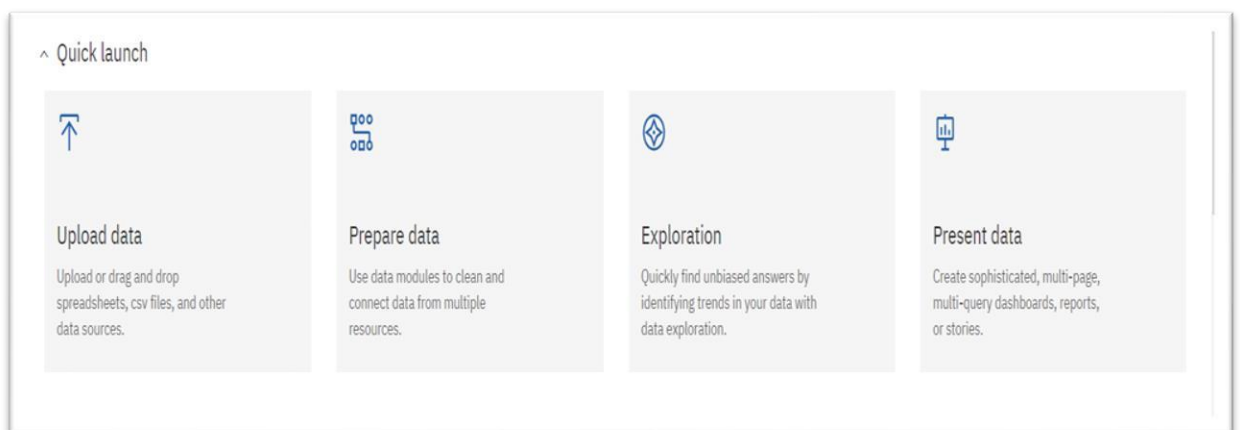
#### 1. Open IBM Cognos Dashboard.



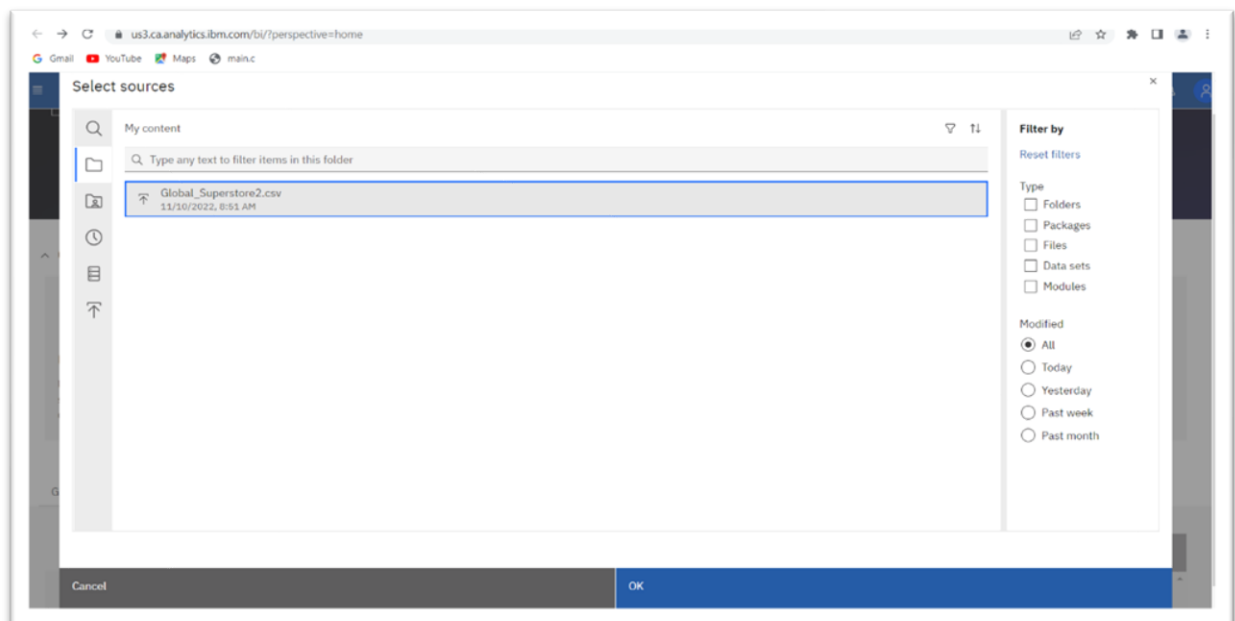
## Preparation Phase :

We must “**Prepare The Dataset**” after it has been uploaded to the **IBM Cognos** dashboard. The process of preparing data involves cleaning it up, eliminating duplicate and null values, and organizing it in a way that makes it easy to explore and analyse.

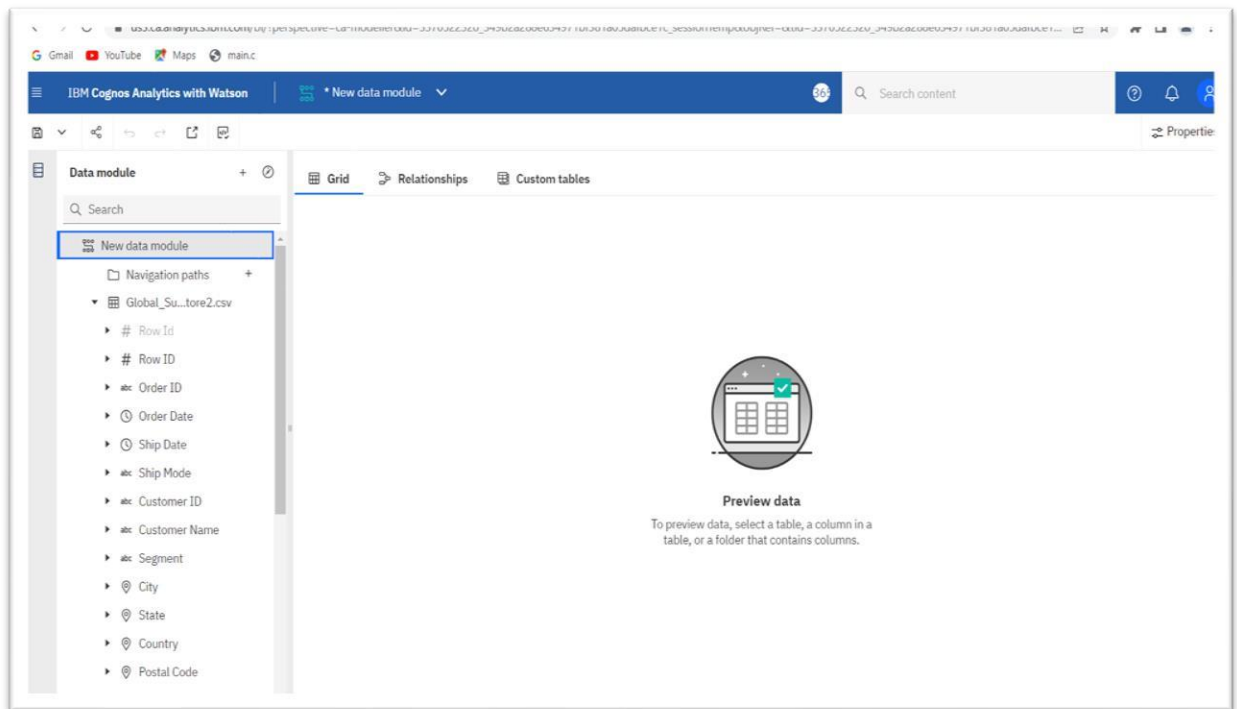
### 2. Click on the Prepare Data option :



### 3. Now select the upload dataset from the menu



## 4. Explore the Data modules



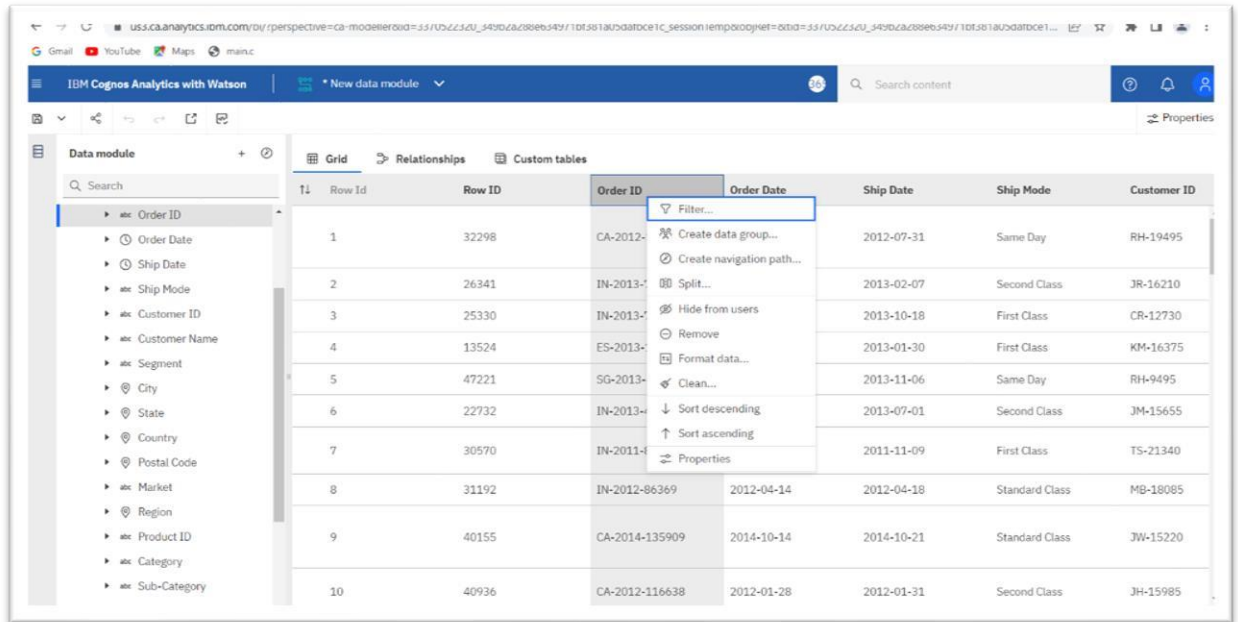
## 5. Understanding the Data

The screenshot shows the IBM Cognos Analytics with Watson interface with a data table displayed. The table has the following columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, and Customer ID. The data is as follows:

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	CA-2012-124891	2012-07-31	2012-07-31	Same Day	RH-19495
2	IN-2013-77878	2013-02-05	2013-02-07	Second Class	JR-16210
3	IN-2013-71249	2013-10-17	2013-10-18	First Class	CR-12730
4	ES-2013-1579342	2013-01-28	2013-01-30	First Class	KM-16375
5	SG-2013-4320	2013-11-05	2013-11-06	Same Day	RH-9495
6	IN-2013-42360	2013-06-28	2013-07-01	Second Class	JM-15655
7	IN-2011-81826	2011-11-07	2011-11-09	First Class	TS-21340
8	IN-2012-86369	2012-04-14	2012-04-18	Standard Class	MB-18085
9	CA-2014-135909	2014-10-14	2014-10-21	Standard Class	JW-15220
10	CA-2012-116638	2012-01-28	2012-01-31	Second Class	JH-15985

## 6. Filtering the Data

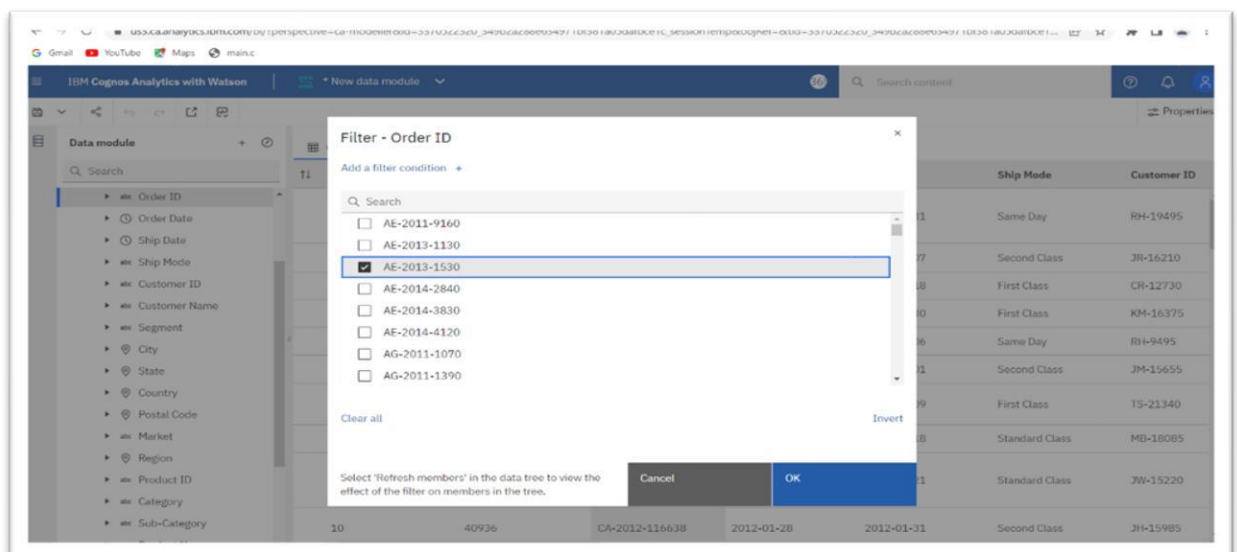
Sort the data to meet your needs and eliminate any extraneous information.



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various fields: 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 data grid with columns: Row ID, Order ID, Order Date, Ship Date, Ship Mode, and Customer ID. A context menu is open over the 'Order ID' column, showing options: Filter..., Create data group..., Create navigation path..., Split..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties.

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	CA-2012-32298		2012-07-31	Same Day	RH-19495
2	IN-2013-26341		2013-02-07	Second Class	JR-16210
3	IN-2013-25330		2013-10-18	First Class	CR-12730
4	ES-2013-13524		2013-01-30	First Class	KM-16375
5	SG-2013-47221		2013-11-06	Same Day	RH-9495
6	IN-2013-22732		2013-07-01	Second Class	JM-15655
7	IN-2011-30570		2011-11-09	First Class	TS-21340
8	IN-2012-86369	2012-04-14	2012-04-18	Standard Class	MB-18085
9	CA-2014-135909	2014-10-14	2014-10-21	Standard Class	JW-15220
10	CA-2012-116638	2012-01-28	2012-01-31	Second Class	JH-15985

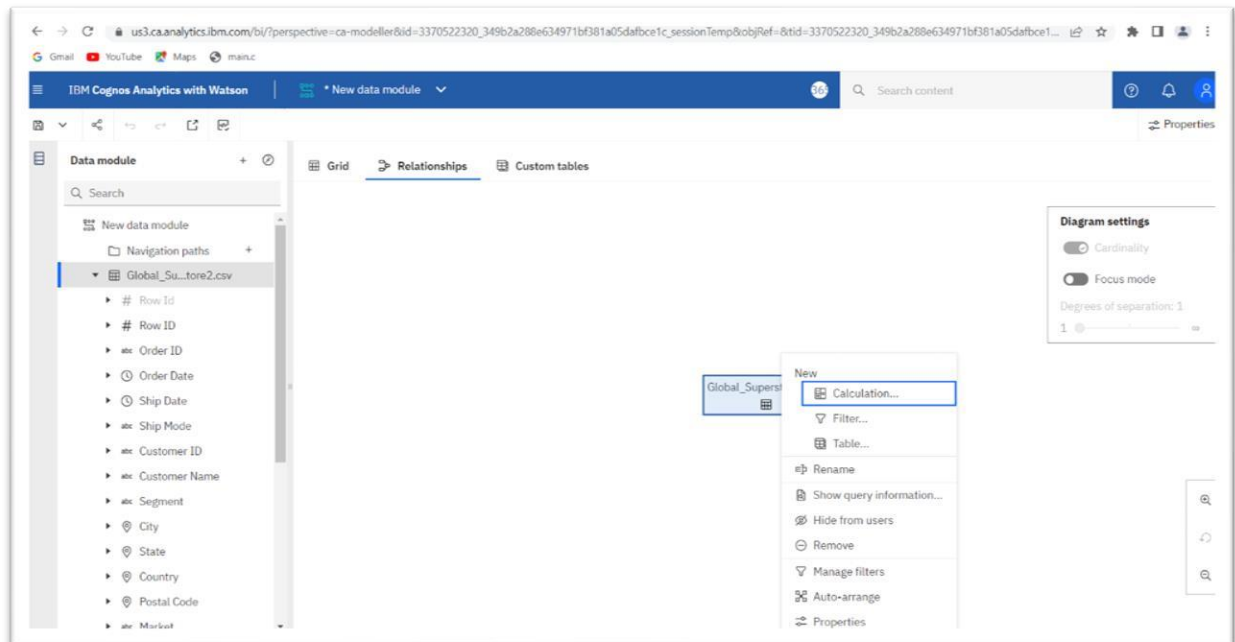
Choose the required fields to be filtered.



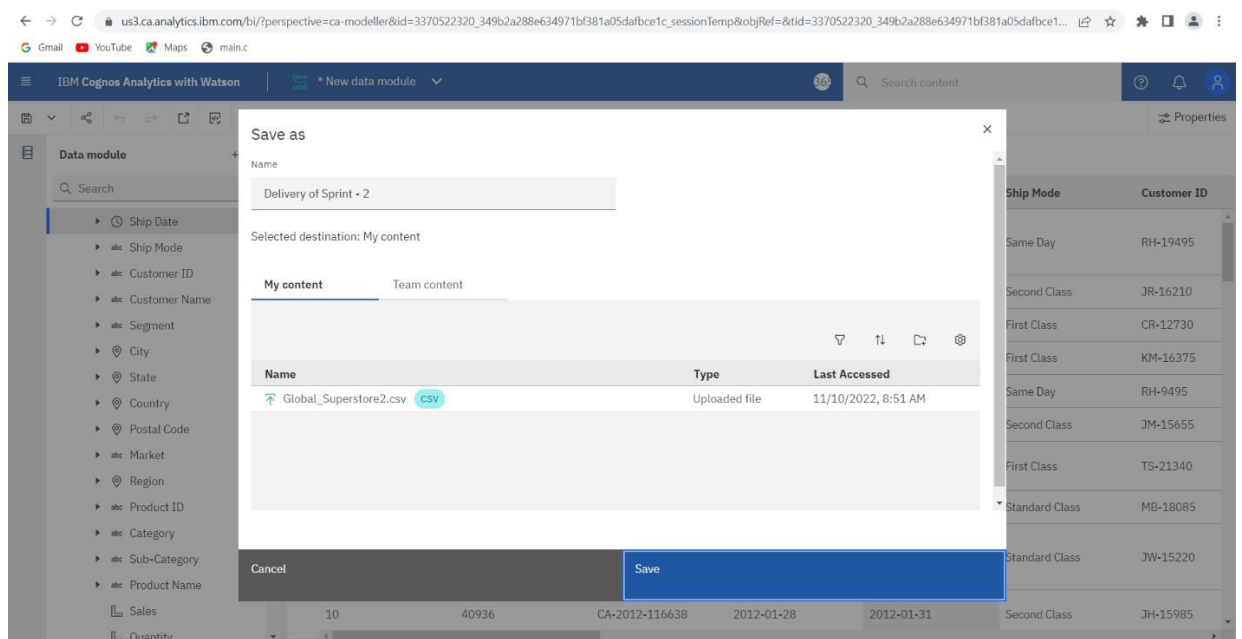
The screenshot shows the 'Filter - Order ID' dialog box. It has a search bar and a list of Order IDs with checkboxes. The 'AE-2013-1530' checkbox is selected. At the bottom, there are 'Cancel' and 'OK' buttons. A note at the bottom says: 'Select "Refresh members" in the data tree to view the effect of the filter on members in the tree.'

Order ID	Selected
AE-2011-9160	<input type="checkbox"/>
AE-2013-1130	<input type="checkbox"/>
AE-2013-1530	<input checked="" type="checkbox"/>
AE-2014-2840	<input type="checkbox"/>
AE-2014-3830	<input type="checkbox"/>
AE-2014-4120	<input type="checkbox"/>
AG-2011-1070	<input type="checkbox"/>
AG-2011-1390	<input type="checkbox"/>

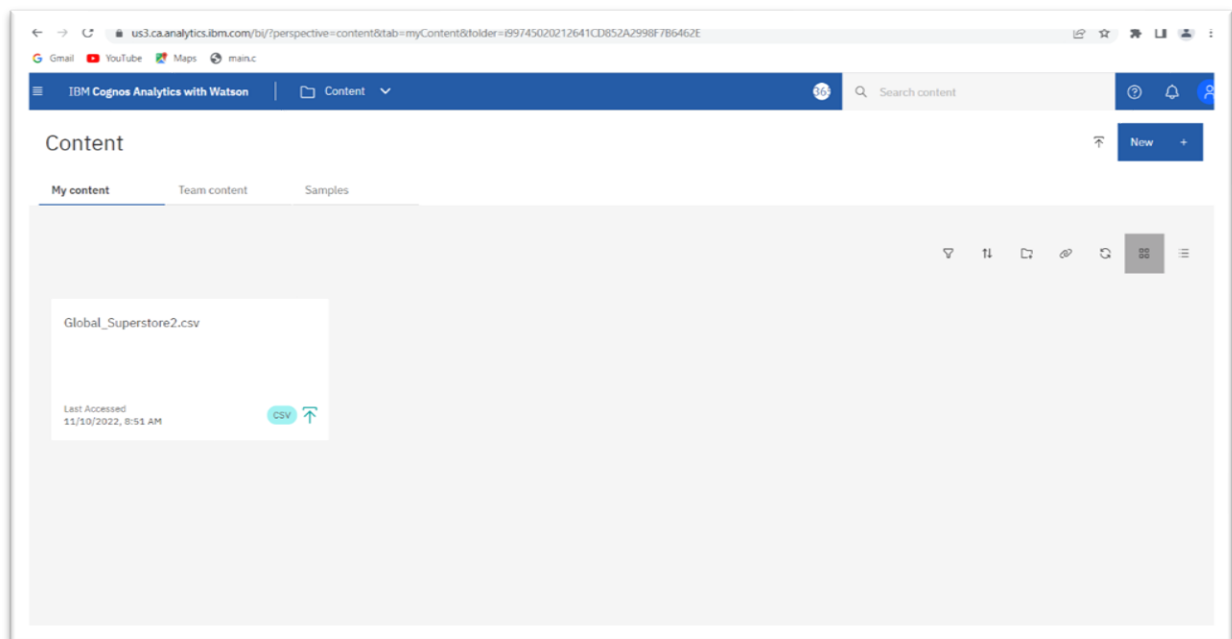
## 7. Creating Relationship among the data.



## 8. Save the dataset after preparing the data

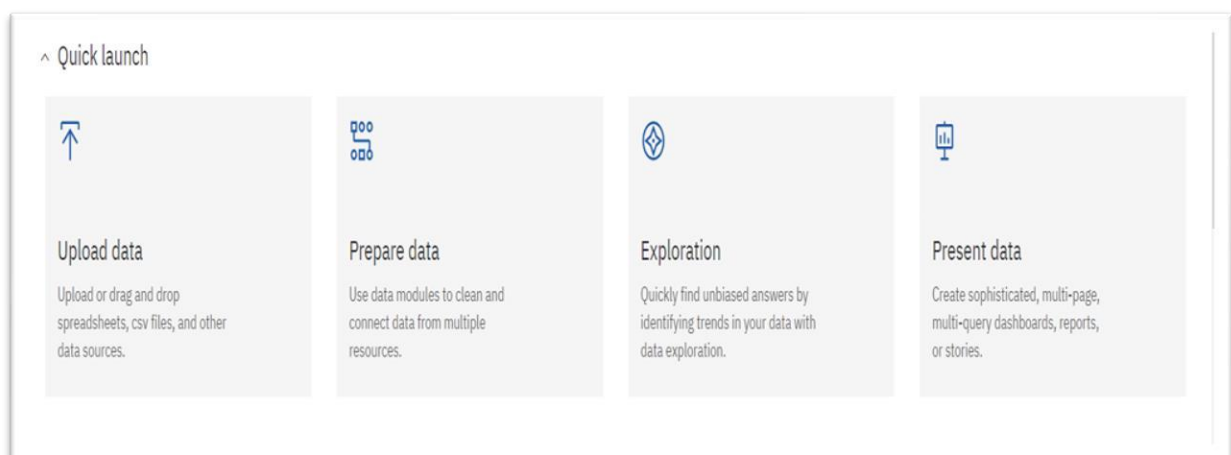


## 9. Open “Content” from the menu bar



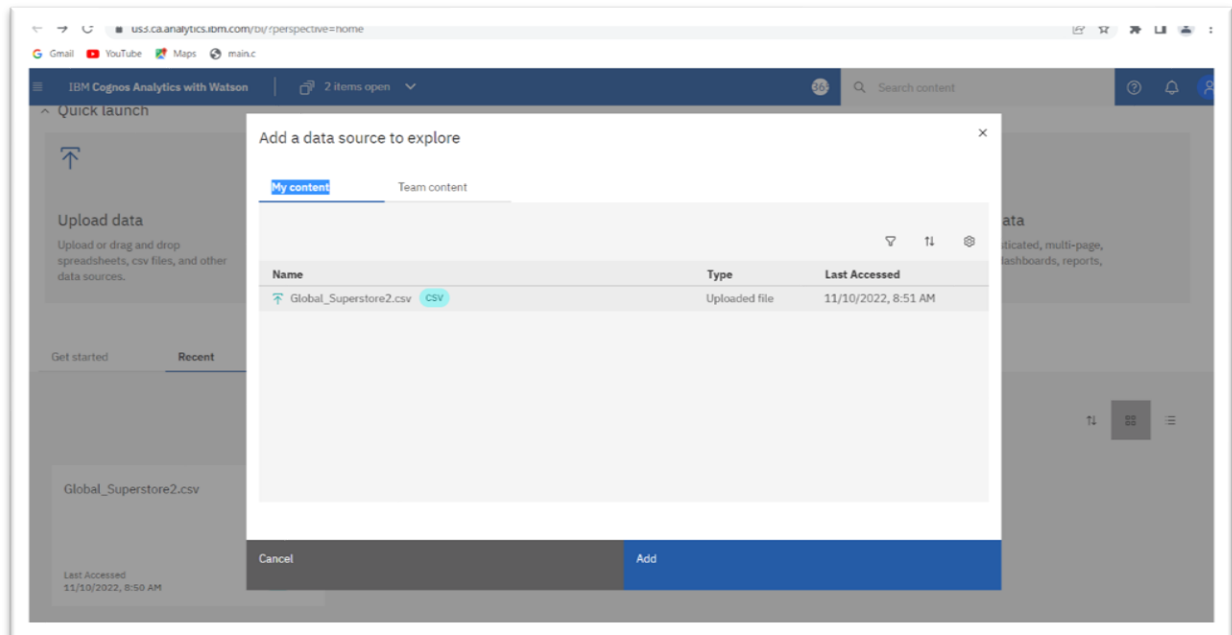
## DATA EXPLORATION PHASE :

## 10. Data Exploration

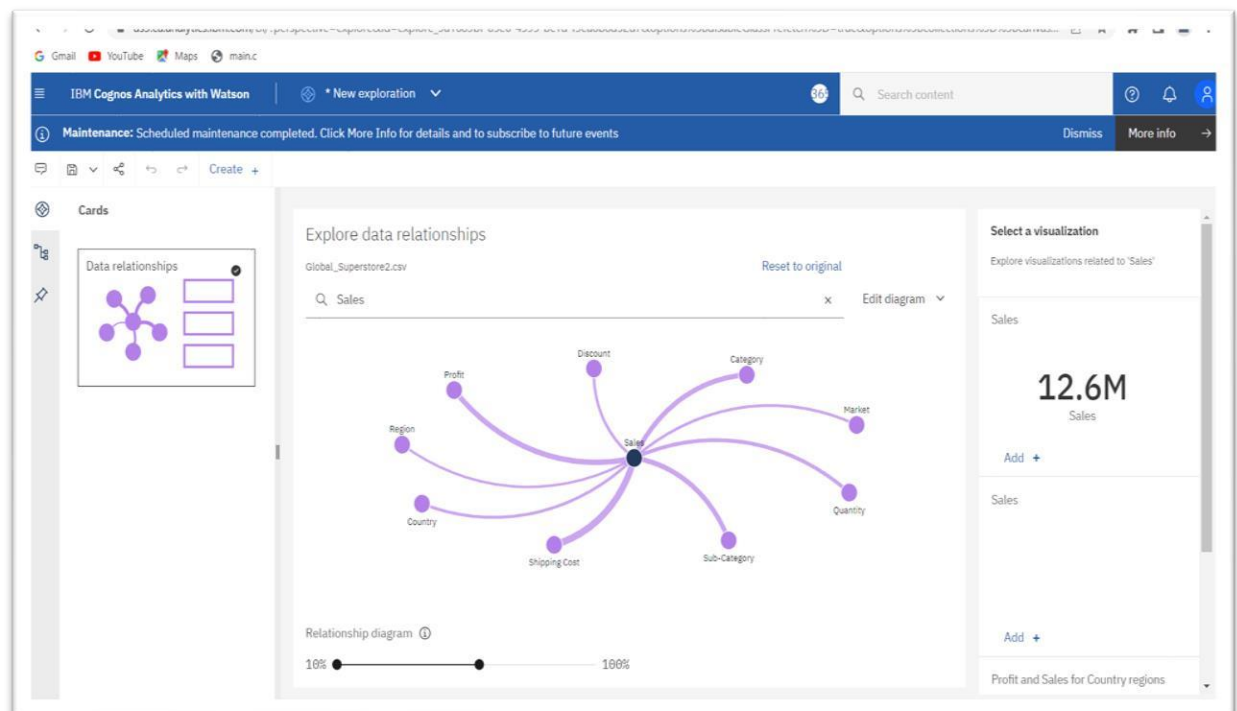


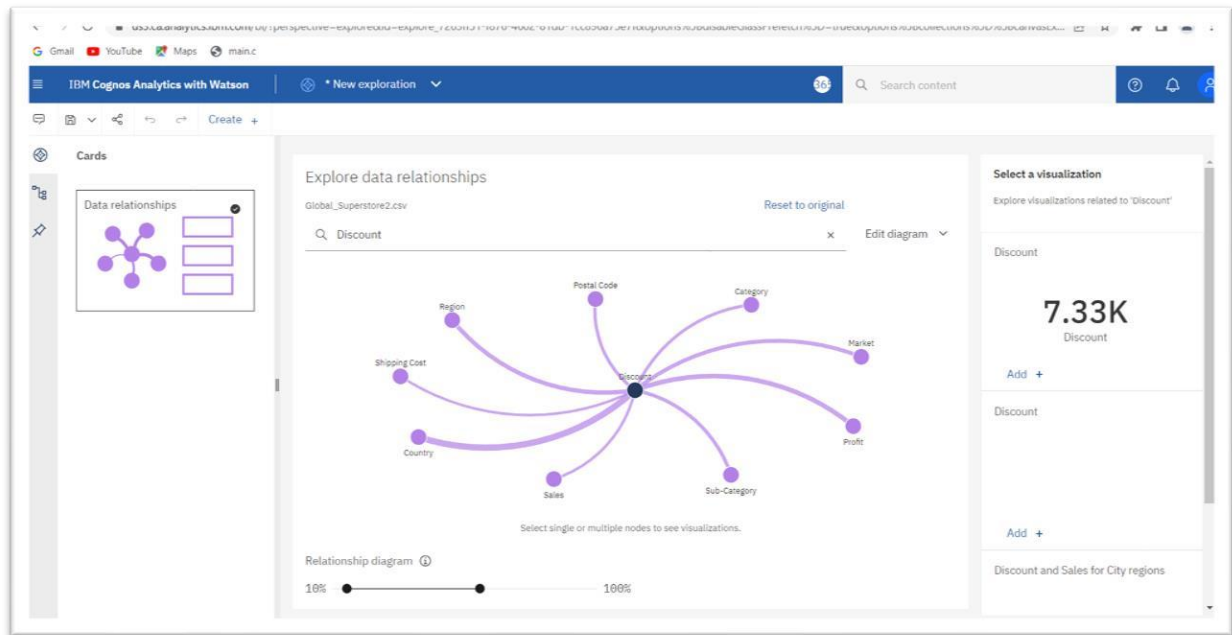
## 11. Select the data to be explored

To begin browsing the cleaned and prepared data choose “My Content” from the menu.



## 12. Start Exploring the data and create relationship among the dataset





### 13. Save the Exploration

