

## Project Development Phase

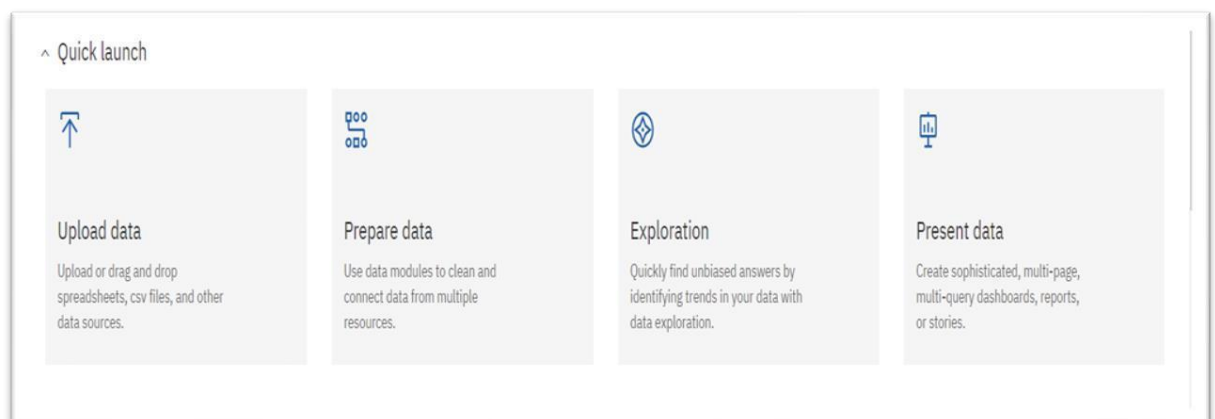
### Delivery of Sprint – 2

Date	: 09 November 2022
Team ID	: PNT2022TMID05534
Project name	: Global Sales Data Analytics

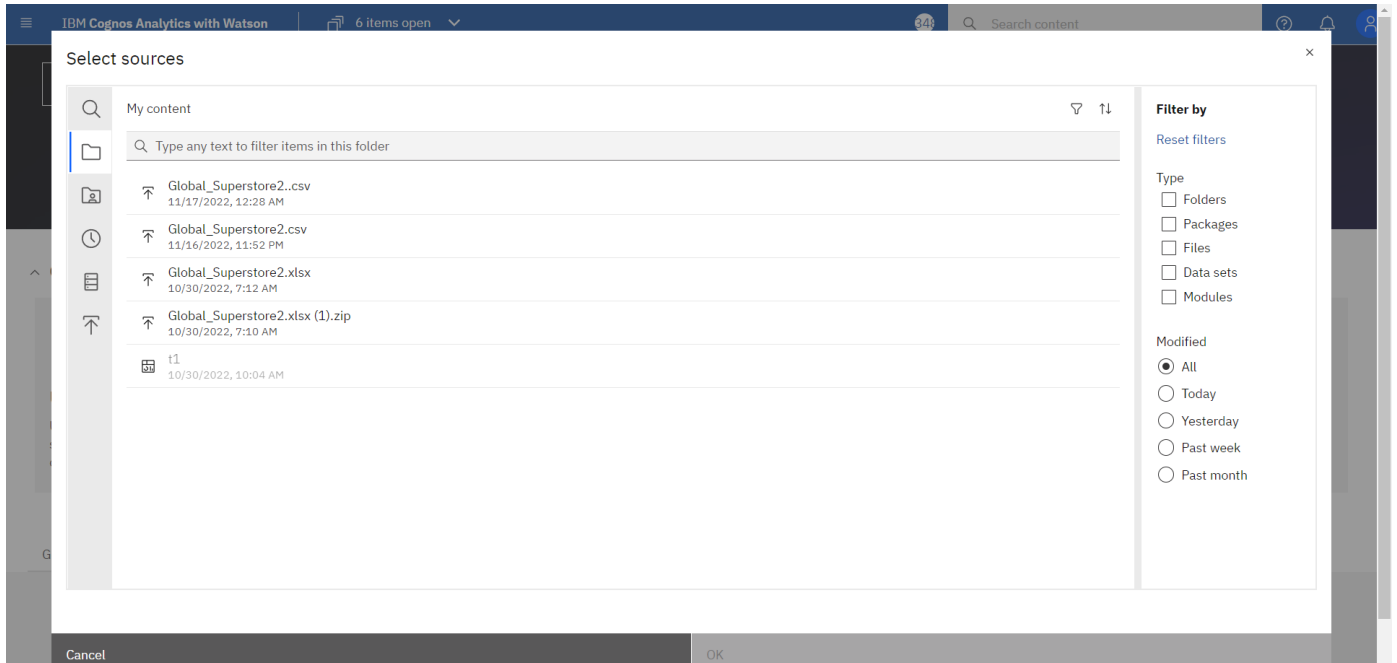
#### Data preparation phase :

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.

#### Click on the Prepare Data option :



**Now select the upload dataset from the menu**



**Explore the Data modules**



## Filtering the Data

IBM Cognos Analytics with Watson New data module 143 Search content ? 🔔 👤

**Data module** + 🔍

Grid Relationships Custom tables

🔍 Search

- # Row Id
- # 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

Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day	RH-19495
2	26341	IN-2013-77878	05-02-2013	07-02-2013	Second Class	JR-16210
3	25330	IN-2013-71249	17-10-2013	18-10-2013	First Class	CR-12730
4	13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class	KM-16375
5	47221	SG-2013-4320	05-11-2013	06-11-2013	Same Day	RH-9495
6	22732	IN-2013-42360	28-06-2013	01-07-2013	Second Class	JM-15655
7	30570	IN-2011-81826	07-11-2011	09-11-2011	First Class	TS-21340
8	31192	IN-2012-86369	14-04-2012	18-04-2012	Standard Class	MB-18085
9	40155	CA-2014-135909	14-10-2014	21-10-2014	Standard Class	JW-15220
10	40936	CA-2012-116638	28-01-2012	31-01-2012	Second Class	JH-15985

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

IBM Cognos Analytics with Watson New data module 143 Search content ? 🔔 👤

**Data module** + 🔍

Grid Relationships Custom tables

🔍 Search

- 🕒 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
- abc Product Name
- 📊 Sales

Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day	RH-19495
2	26341	IN-2013-77878	05-02-2013	07-02-2013	Second Class	JR-16210
3	25330	IN-2013-71249	17-10-2013	18-10-2013	First Class	CR-12730
4	13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class	KM-16375
5	47221	SG-2013-4320	05-11-2013	06-11-2013	Same Day	RH-9495
6	22732	IN-2013-42360	28-06-2013	01-07-2013	Second Class	JM-15655
7	30570	IN-2011-81826	07-11-2011	09-11-2011	First Class	TS-21340
8	31192	IN-2012-86369	14-04-2012	18-04-2012	Standard Class	MB-18085
9	40155	CA-2014-135909	14-10-2014	21-10-2014	Standard Class	JW-15220
10	40936	CA-2012-116638	28-01-2012	31-01-2012	Second Class	JH-15985

Filter...  
 Create data group...  
 Create navigation path...  
 Split...  
 Convert to date...  
 Hide from users  
 Remove  
 Format data...  
 Clean...  
 Sort descending  
 Sort ascending  
 Properties

## Choose the required fields to be filtered.

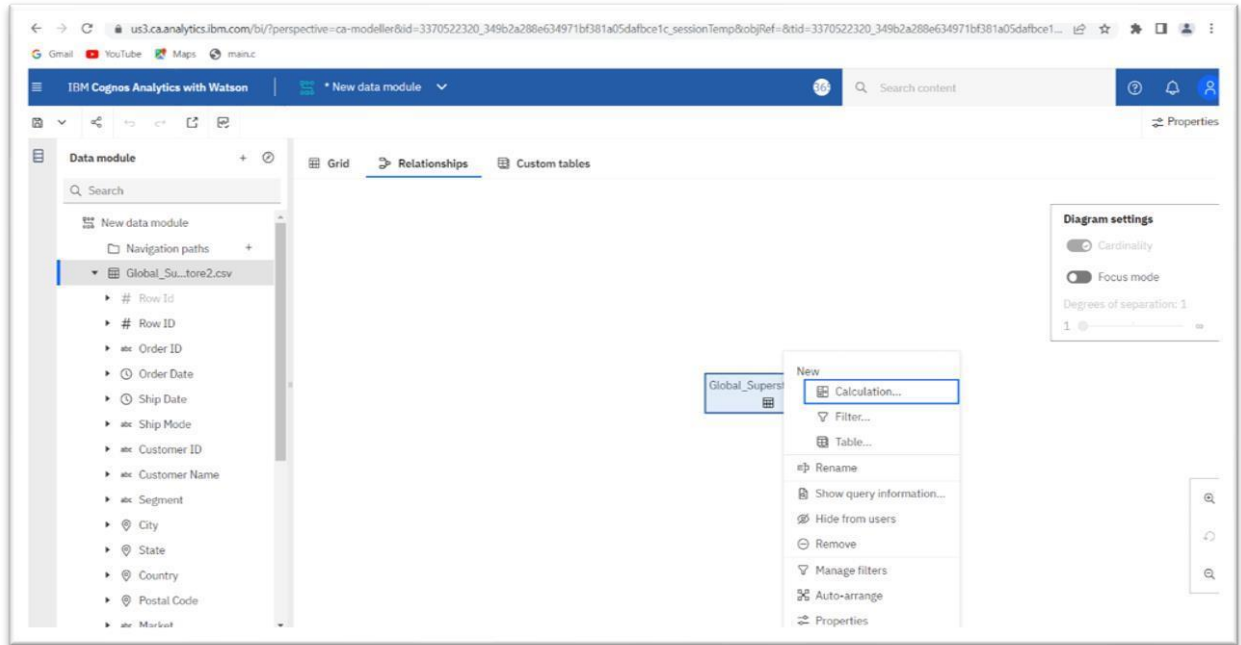
The screenshot shows the IBM Cognos Analytics interface with a 'Data format' dialog box open for the 'Order Date' column. The dialog box has a 'Format type' dropdown set to 'Date'. Below it, there are four settings: 'Date separator' (set to '-'), 'Date style' (set to 'Default'), 'Date ordering' (set to 'Year, Month, Day'), and 'Missing value characters' (set to '<empty>'). At the bottom of the dialog are 'Advanced options', 'Reset properties', 'Cancel', and 'OK' buttons.

Ship Mode	Customer ID
Same Day	RH-19495
Second Class	JR-16210
First Class	CR-12730
First Class	KM-16375
Same Day	RH-9495
Second Class	JM-15655
First Class	TS-21340
Standard Class	MB-18085
Standard Class	JW-15220
Second Class	JH-15985

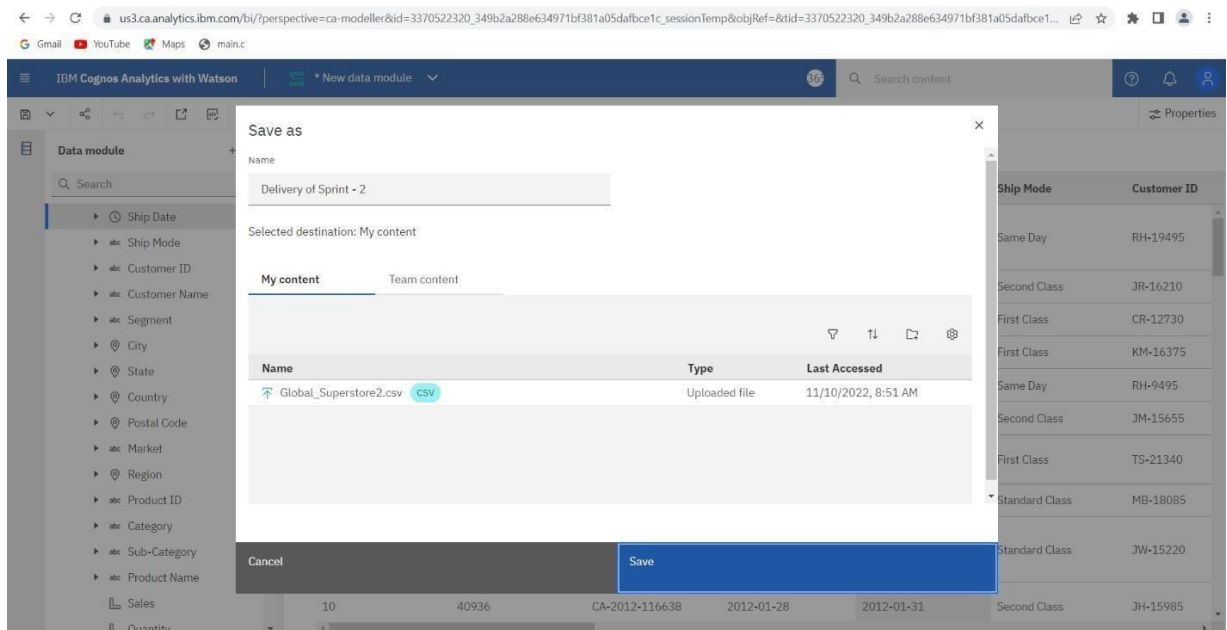
The screenshot shows the IBM Cognos Analytics interface with a 'Filter - Category' dialog box open. The dialog box has a search bar and a list of categories: 'Furniture' (checked), 'Office Supplies' (unchecked), and 'Technology' (unchecked). At the bottom of the dialog are 'Clear all', 'Invert', 'Cancel', and 'OK' buttons. Below the dialog, a table of data is visible, showing 'Product ID' and 'Category' columns.

Product ID	Category
TEC-AC-10003033	Technology
FUR-CH-10003950	Furniture
TEC-PH-10004664	Technology
TEC-PH-10004583	Technology
TEC-SHA-10000501	Technology
TEC-PH-10000030	Technology
FUR-CH-10004050	Furniture
FUR-TA-10002958	Furniture
OFF-BI-10003527	Office Supplies
FUR-TA-10000198	Furniture

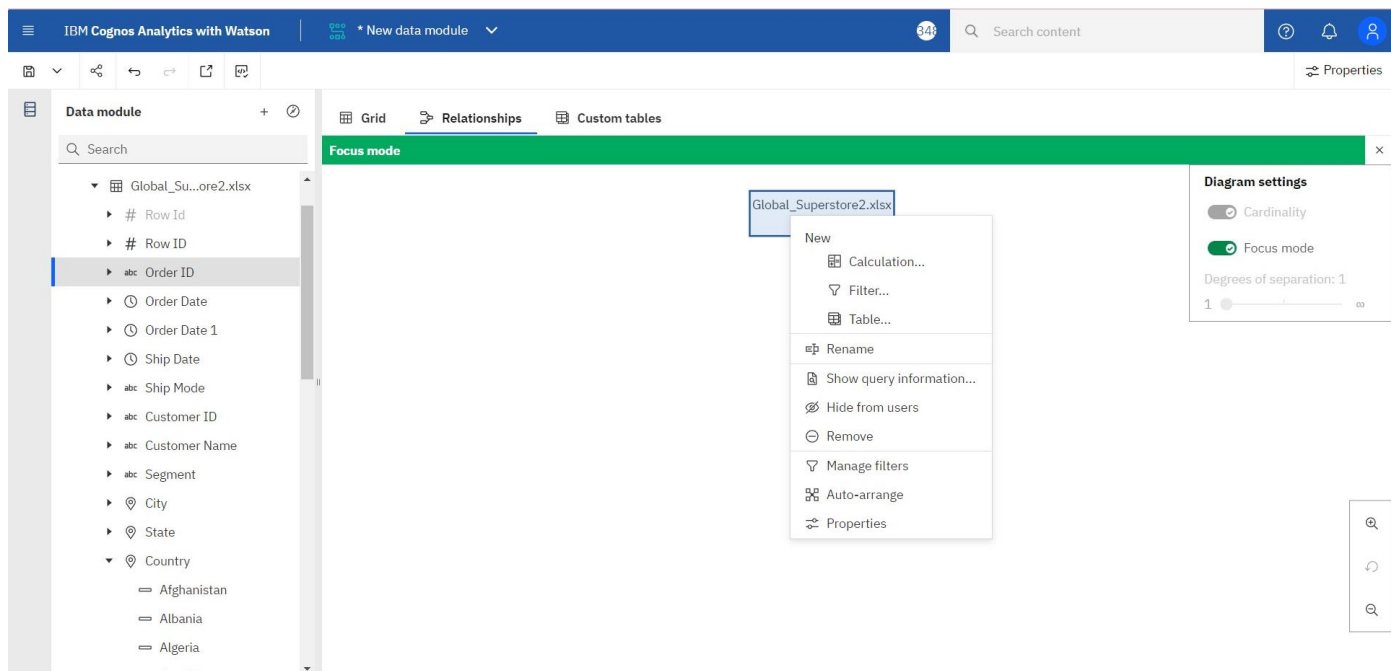
## Creating Relationship among the data.



## Save the dataset after preparing the data

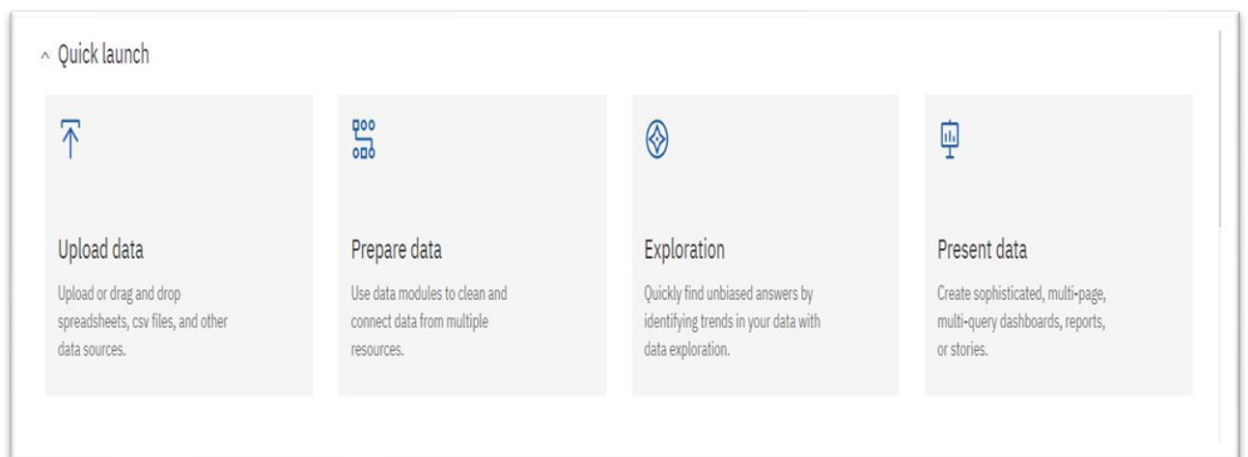


## Open “Content” from the menu bar

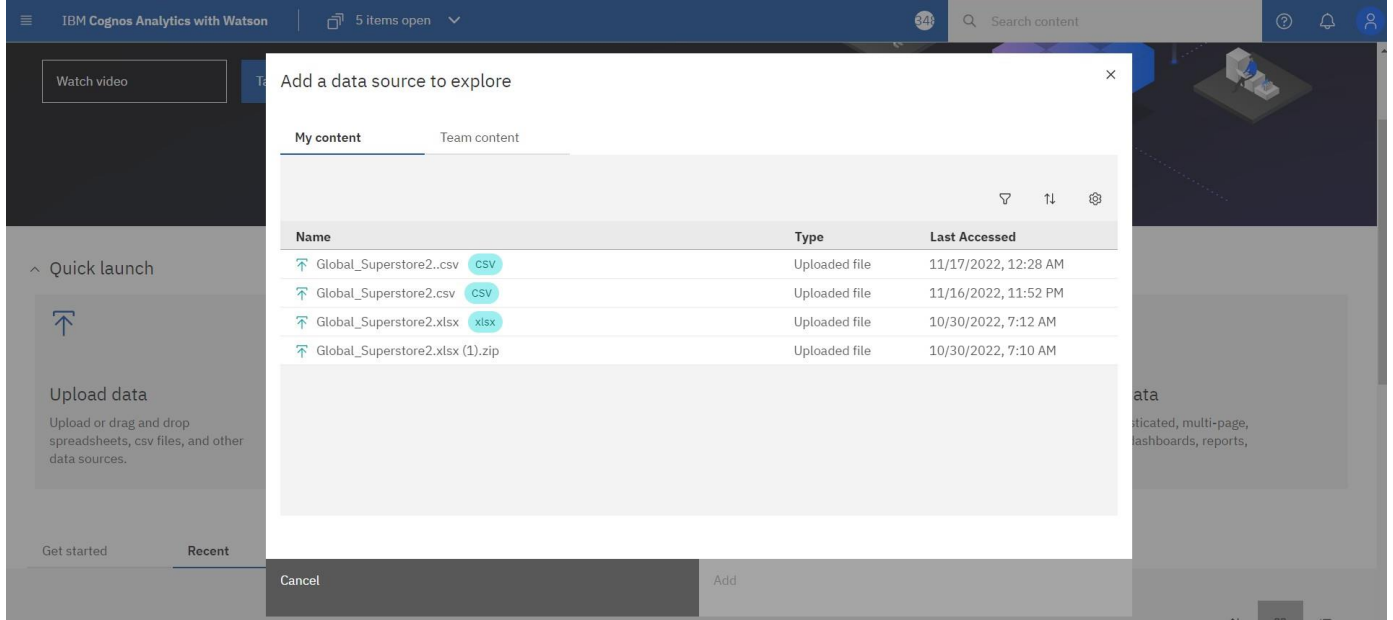


## DATA EXPLORATION PHASE :

### Data Exploration

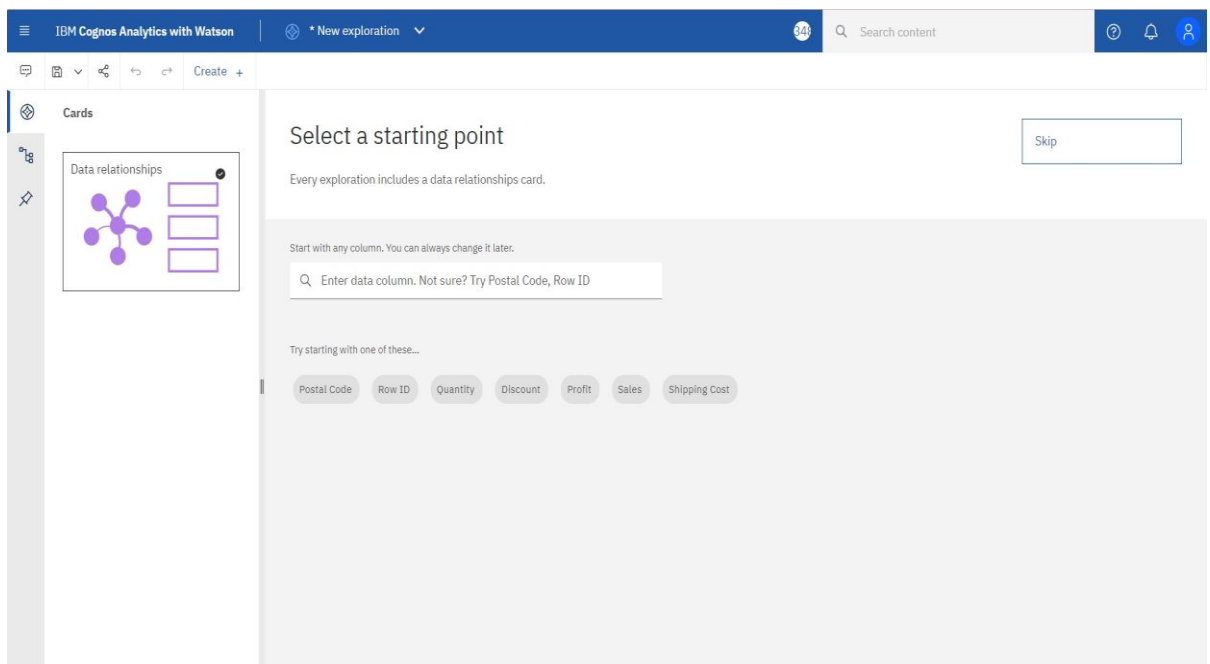


### Select the data to be explored

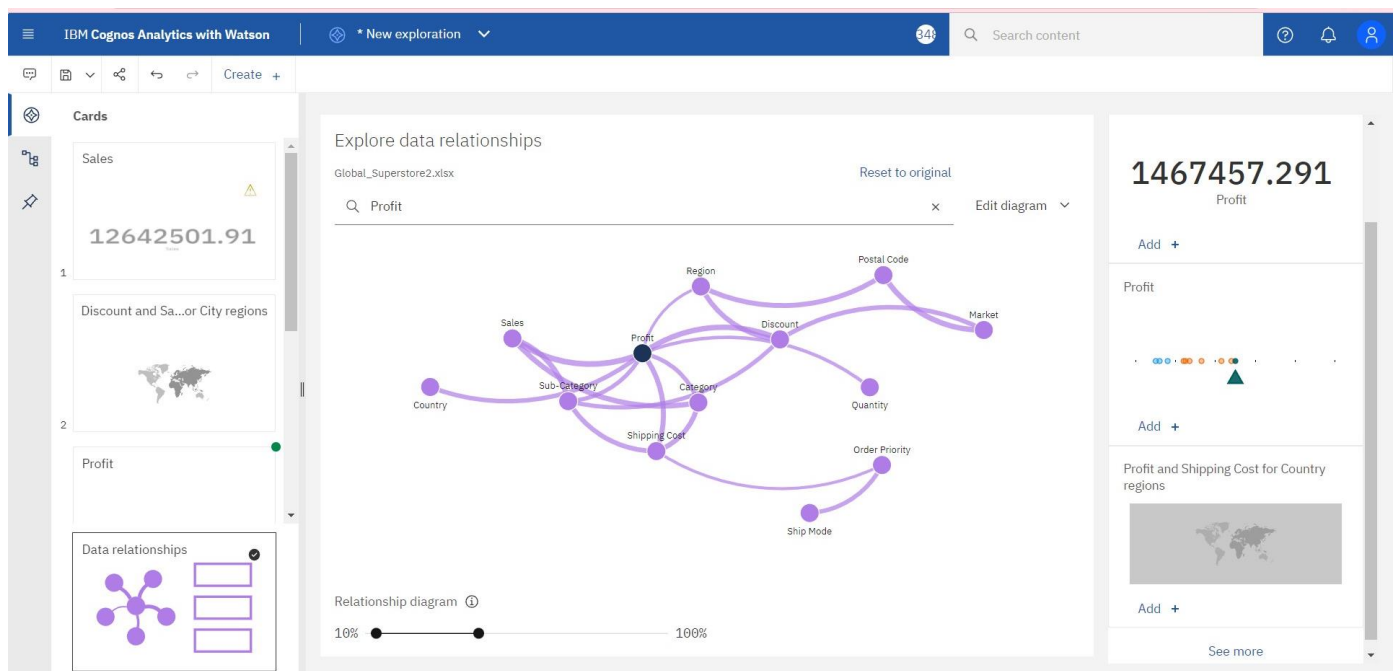
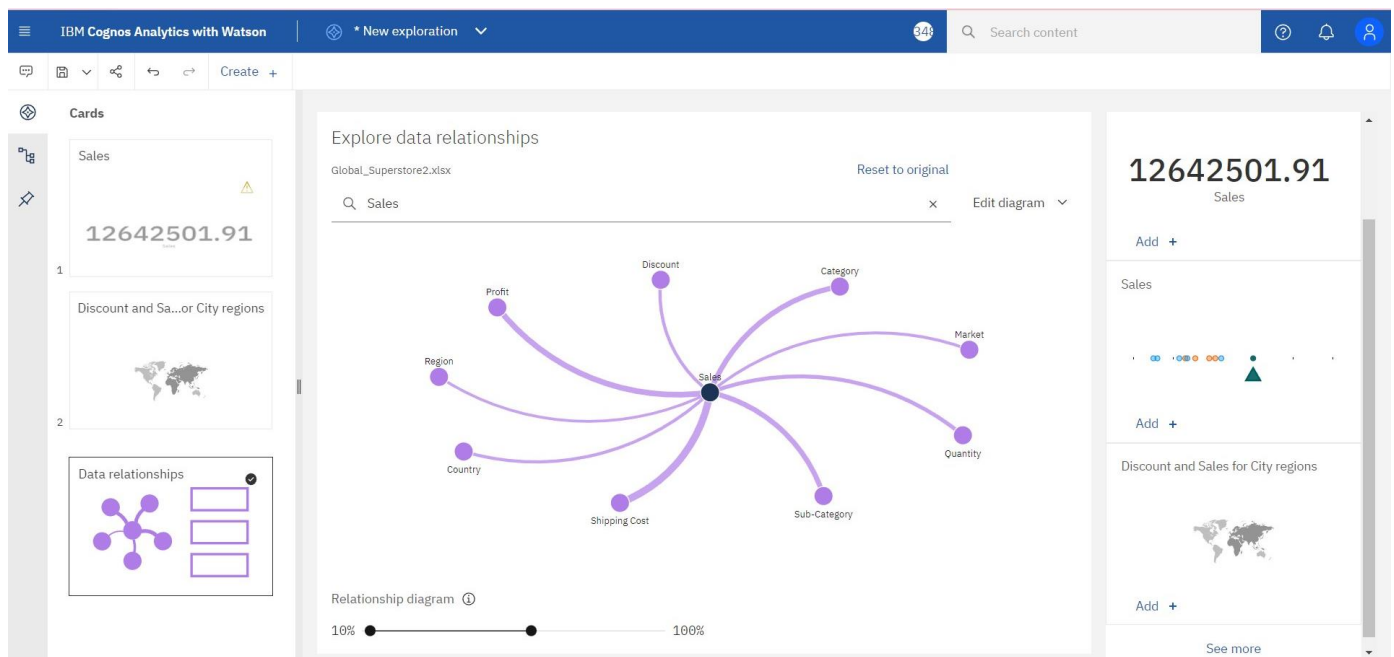


To begin browsing the cleaned and prepared data choose “My Content” form the menu.

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







**Save the Exploration**

The screenshot shows the IBM Cognos Analytics interface. A 'Save as' dialog box is open in the foreground. The dialog box has a 'Name' field containing 'exploration 1'. Below this, it says 'Selected destination: exploration'. There are two tabs: 'My content' and 'Team content'. The 'Team content' tab is selected, showing a list of items. The list is empty, with a message 'No items' at the bottom. The background shows a dashboard with a card titled 'Sales' displaying '12642501.91' and a card titled 'Profit' displaying '1467457.291'.