

Project Development Phase

Delivery of Sprint - 2

Date	09 November 2022
Team ID	PNT2022TMID49356
Project Name	Global Sales Data Analytics
Maximum Marks	2 Marks

Data preparation phase :-

1. Open IBM Cognos Dashboard.

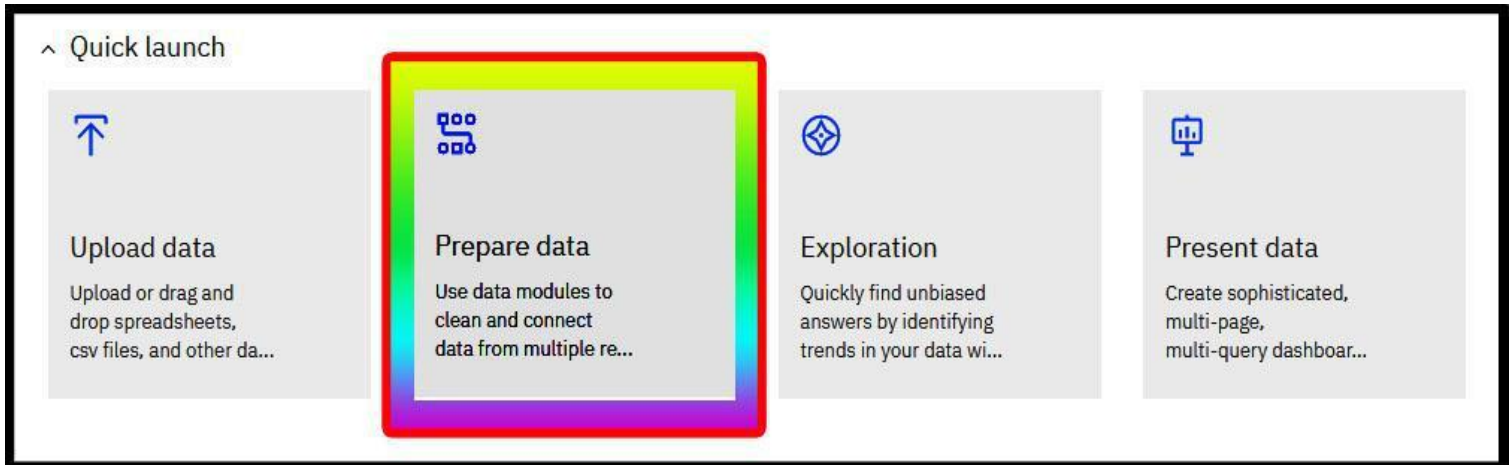
The screenshot shows the IBM Cognos Analytics dashboard. The top navigation bar includes the IBM logo, search bar, and user profile. The main content area is titled 'Quick launch' and contains four cards: 'Upload data', 'Prepare data', 'Exploration', and 'Present data'. Below these cards, there is a 'Recent' tab with a table of content items.

Name	Location	Type	Last Accessed
<input type="checkbox"/> Global_Superstore2.csv	My content	Uploaded file	11/9/2022, 3:25 AM
<input type="checkbox"/> Global_Superstore Dashboard	My content	Dashboard	11/9/2022, 3:23 AM

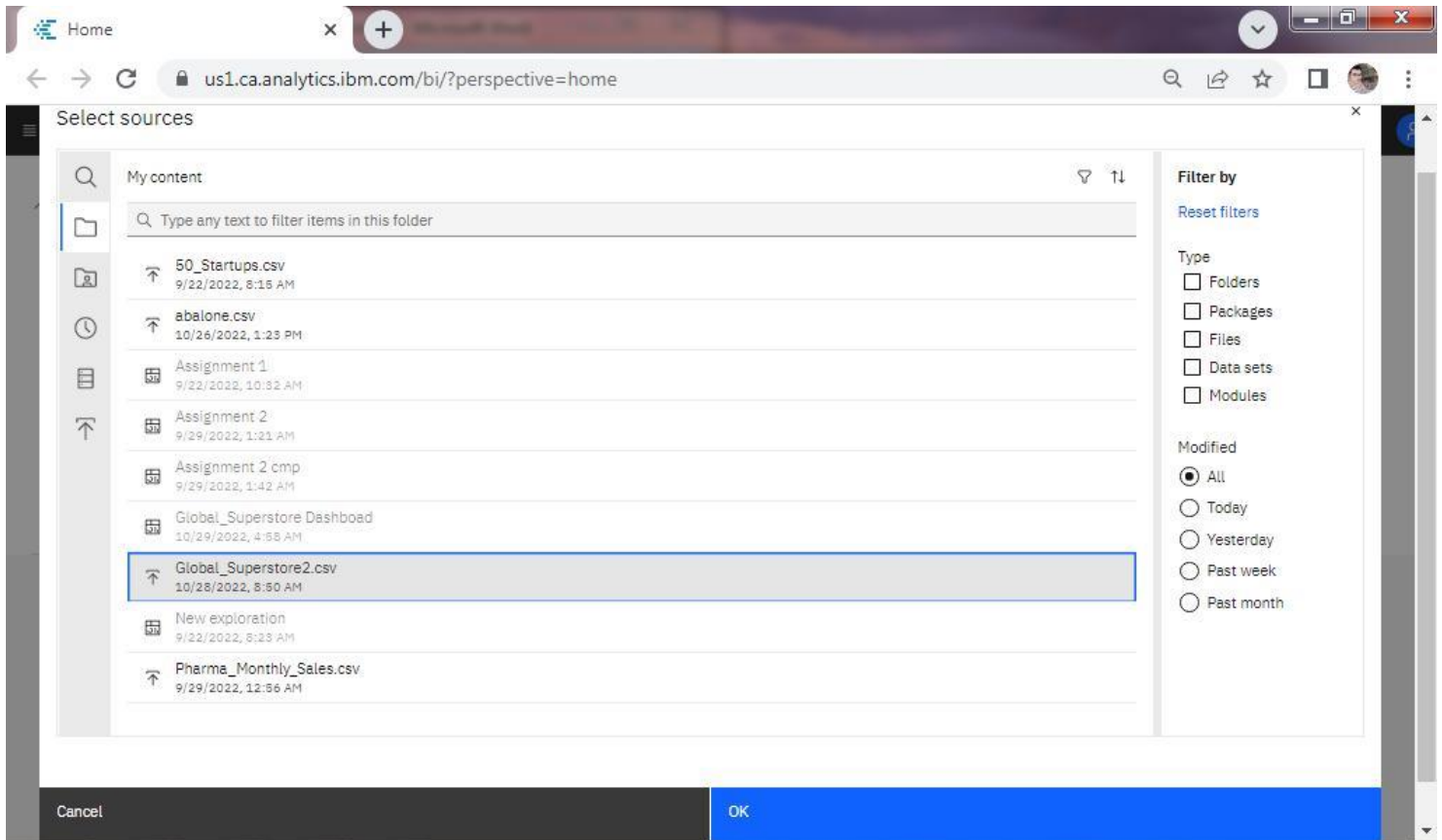
Preparation Phase :-

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 analyze.

2. Click on the Prepare Data option :-

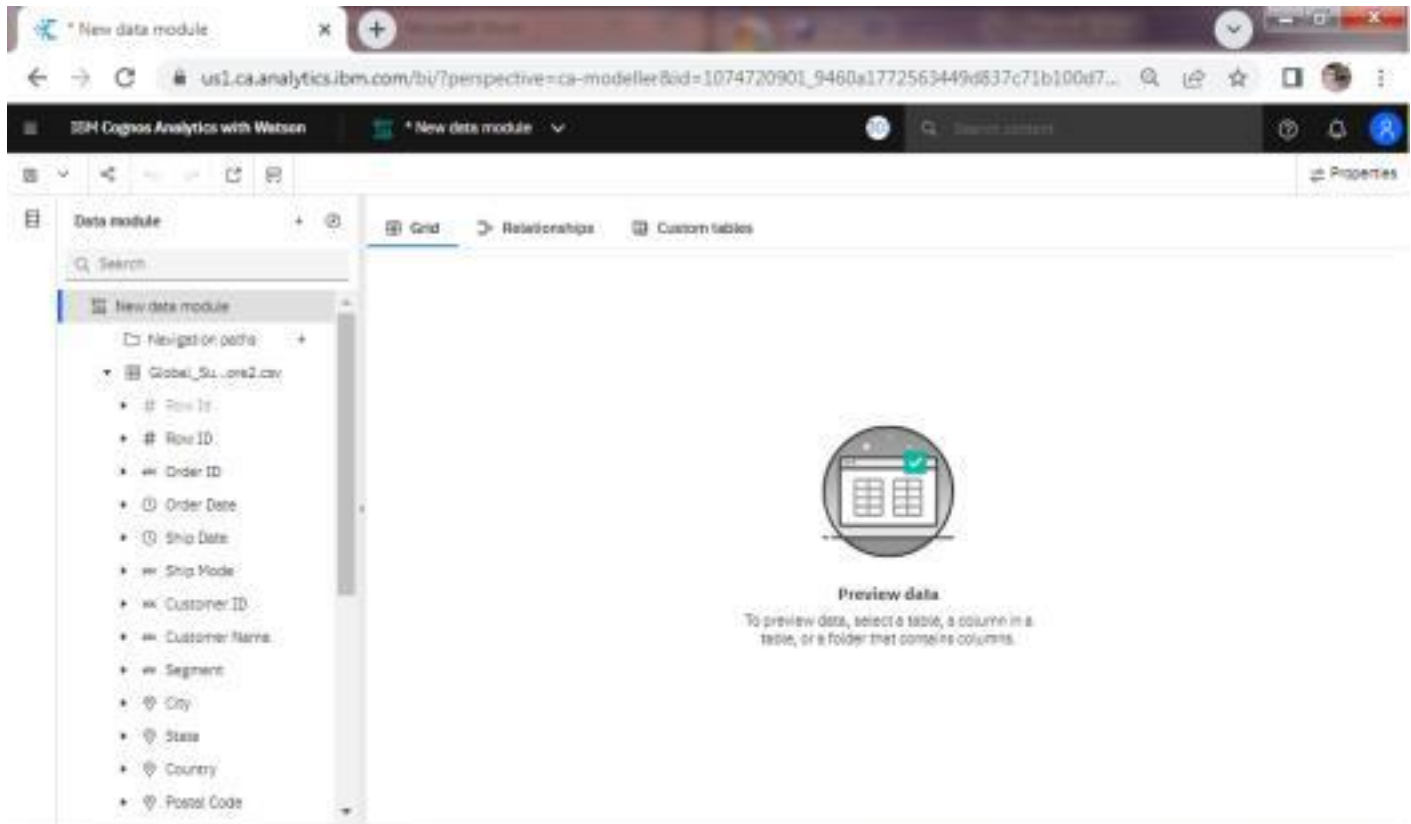


3. Now select the upload dataset from the menu



Select the dataset to be cleaned and prepares now.

4. Explore the Data modules.



5. Understanding the Data.

The screenshot displays the IBM Cognos Analytics web application. The browser address bar shows the URL: `us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_9460a1772563449d837c71b100d7...`. The application header includes the text "IBM Cognos Analytics with Watson" and a search bar. The main interface is divided into a left sidebar and a central workspace.

Data module sidebar:

- Search
- Order ID
- Order Date
- Ship Date
- Ship Mode
- Customer ID
- Customer Name
- Segment
- City
- State
- Country
- Postal Code
- Market
- Region
- Product ID
- Category
- Sub-Category

Grid View:

Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode
1	32298	CA-2012-124891	2012-07-31	2012-07-31	Same Day
2	26341	IN-2013-77878	2013-02-05	2013-02-07	Second Class
3	25330	IN-2013-71249	2013-10-17	2013-10-18	First Class
4	13524	ES-2013-1579342	2013-01-28	2013-01-30	First Class
5	47221	SG-2013-4320	2013-11-05	2013-11-06	Same Day
6	22732	IN-2013-42360	2013-06-28	2013-07-01	Second Class
7	30570	IN-2011-81826	2011-11-07	2011-11-09	First Class
8	31192	IN-2012-86369	2012-04-14	2012-04-18	Standard Class
9	40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class

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, a 'Data module' sidebar 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, Row ID, Order ID, Order Date, Ship Date, and Ship Mode. A context menu is open over the 'Order ID' column header, showing options: Filter..., Create data group..., Create navigation path..., Split..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties. The grid contains 9 rows of data.

Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode
1	32298	CA-2012-124891		2012-07-31	Same Day
2	26341	IN-2013-77878		2013-02-07	Second Class
3	25330	IN-2013-71249		2013-10-18	First Class
4	13524	ES-2013-1579342		2013-01-30	First Class
5	47221	SG-2013-4320		2013-11-06	Same Day
6	22732	IN-2013-42360		2013-07-01	Second Class
7	30570	IN-2011-81826		2011-11-09	First Class
8	31192	IN-2012-86369	2012-04-14	2012-04-18	Standard Class
9	40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class

Choose the required fields to be filtered.

The screenshot shows the IBM Cognos Analytics web interface. A 'Filter - Order ID' dialog box is open, displaying a list of order IDs with checkboxes. The order ID 'AE-2013-1530' is selected. The background shows a data table with columns 'Ship Date' and 'Ship Mode'.

Filter - Order ID

Search

- ☐ AE-2011-9160
- ☐ AE-2013-1130
- ☒ AE-2013-1530
- ☐ AE-2014-2840
- ☐ AE-2014-3830
- ☐ AE-2014-4120
- ☐ AG-2011-1070
- ☐ AG-2011-1390

Clear all Invert

Select 'Refresh members' in the data tree to view the effect of the filter on members in the tree.

Cancel OK

Ship Date	Ship Mode
2012-07-31	Same Day
2013-02-07	Second Class
2013-10-18	First Class
2013-01-30	First Class
2013-11-06	Same Day
2013-07-01	Second Class
2011-11-09	First Class
2012-04-18	Standard Class
2014-10-21	Standard Class

7. Creating Relationship among the data.

The screenshot displays the IBM Cognos Analytics interface in the 'Relationships' view. On the left, a 'Data module' pane lists the fields of the 'Global_Superstore2.csv' dataset, including Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, City, State, Country, and Postal Code. The main workspace shows a single data module node labeled 'Global_Superstore2.csv'. A right-click context menu is open over this node, offering options such as 'New' (with sub-options: Calculation..., Filter..., Table...), 'Rename', 'Show query information...', 'Hide from users', 'Remove', 'Manage filters', 'Auto-arrange', and 'Properties'. On the right side, a 'Diagram settings' panel is visible, featuring toggles for 'Cardinality' and 'Focus mode', and a 'Degrees of separation' slider set to 1. The top of the interface shows the browser address bar with the URL 'us1.ca.analytics.ibm.com/bj/?perspective=ca-modeller&id=1074720901_9460a1772563449d837c71b100d7...' and the application header 'IBM Cognos Analytics with Watson'.

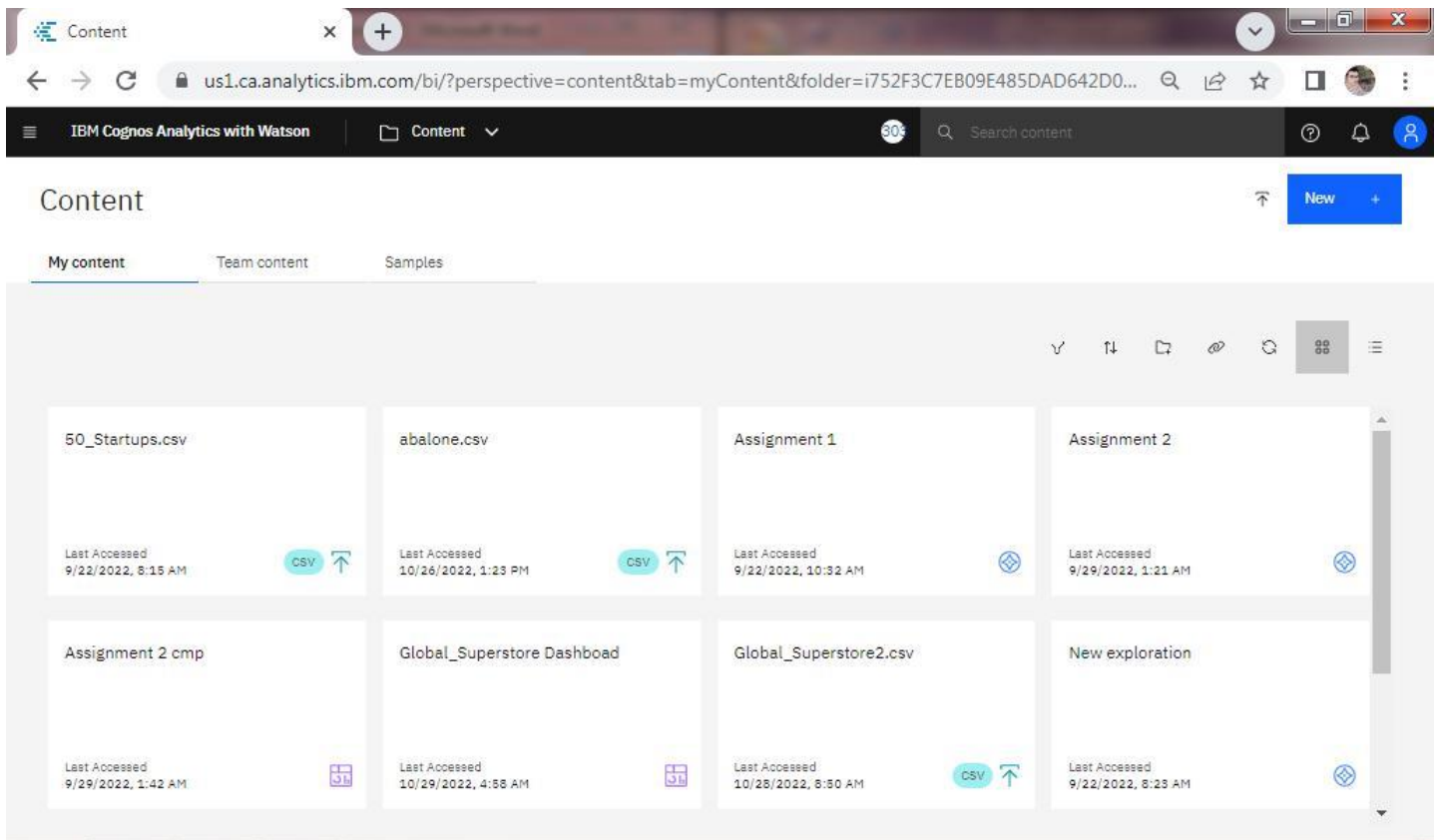
8. Save the dataset after preparing the data

The screenshot shows the IBM Cognos Analytics interface with a 'Save as' dialog box open. The dialog box contains a text field with the name 'Delivery of Sprint - 2', a 'Selected destination: My content' label, and a table of content items. The table lists the following items:

Name	Type	Last Accessed
50_Startups.csv	Uploaded file	9/22/2022, 8:15 AM
abalone.csv	Uploaded file	10/26/2022, 1:23 PM
Assignment 1	Exploration	9/22/2022, 10:32 AM
Assignment 2	Exploration	9/29/2022, 1:21 AM

The 'Save' button is highlighted in blue, and the 'Cancel' button is in grey. The background shows the IBM Cognos Analytics interface with a sidebar on the left and a main content area on the right.

9. Open “Content” from the menu bar.



The screenshot shows the IBM Cognos Analytics web interface. The browser address bar displays the URL: `us1.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i752F3C7EB09E485DAD642D0...`. The page header includes the IBM Cognos Analytics logo, a 'Content' dropdown menu, a search bar, and user profile icons. The main content area is titled 'Content' and features three tabs: 'My content', 'Team content', and 'Samples'. A 'New' button is located in the top right corner. The 'My content' tab is active, displaying a grid of content items. Each item card shows the name, last accessed date, and a file icon (CSV or Dashboard). The items are arranged in two rows of four.

Item Name	Last Accessed	File Type
50_Startups.csv	9/22/2022, 8:15 AM	CSV
abalone.csv	10/26/2022, 1:23 PM	CSV
Assignment 1	9/22/2022, 10:32 AM	Dashboard
Assignment 2	9/22/2022, 1:21 AM	Dashboard
Assignment 2 cmp	9/29/2022, 1:42 AM	Dashboard
Global_Superstore Dashboard	10/29/2022, 4:58 AM	Dashboard
Global_Superstore2.csv	10/28/2022, 8:50 AM	CSV
New exploration	9/22/2022, 8:25 AM	Dashboard

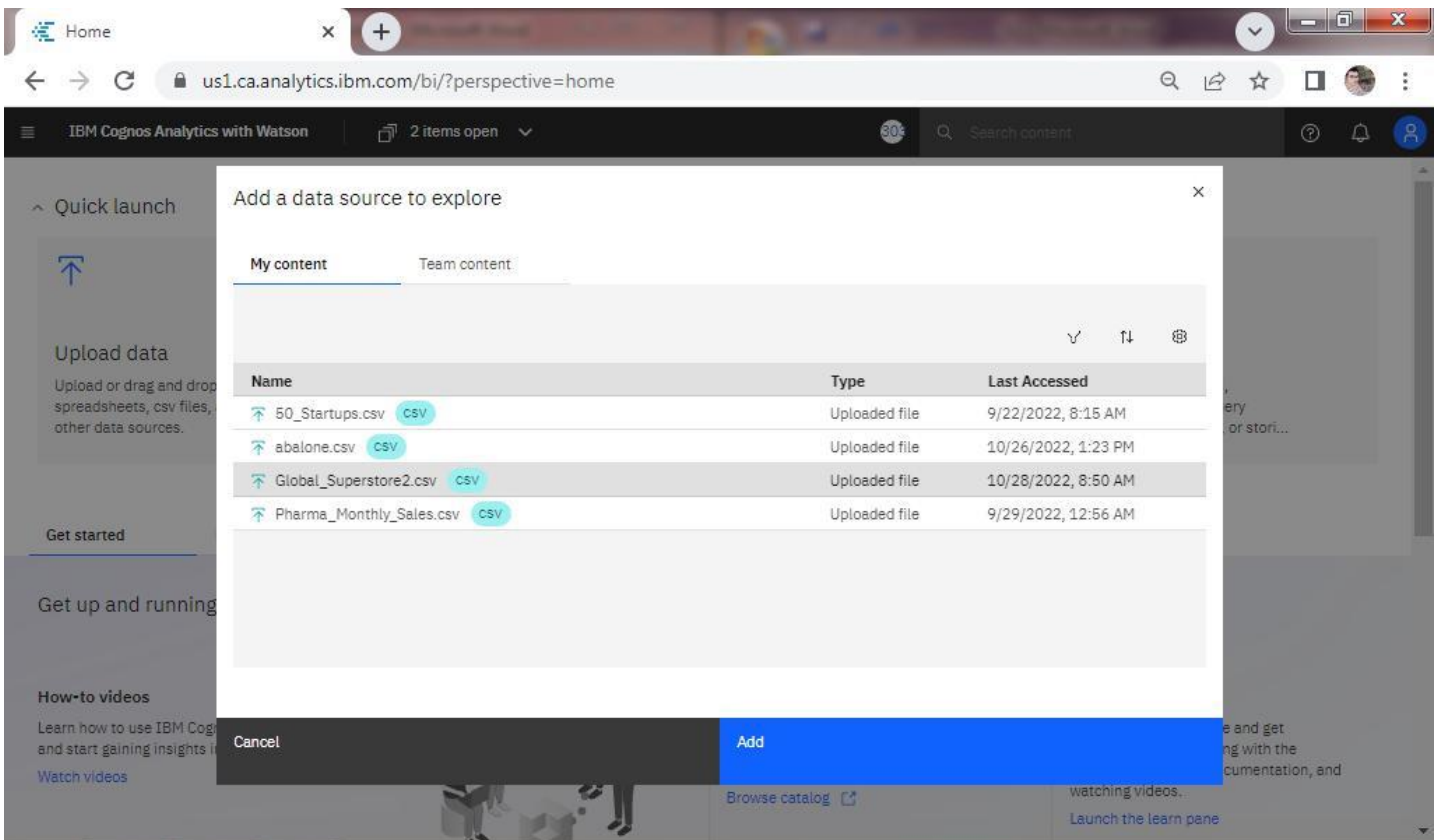
DATA EXPLORATION PHASE :-

10. Data Exploration.



11. Select the data to be explored.

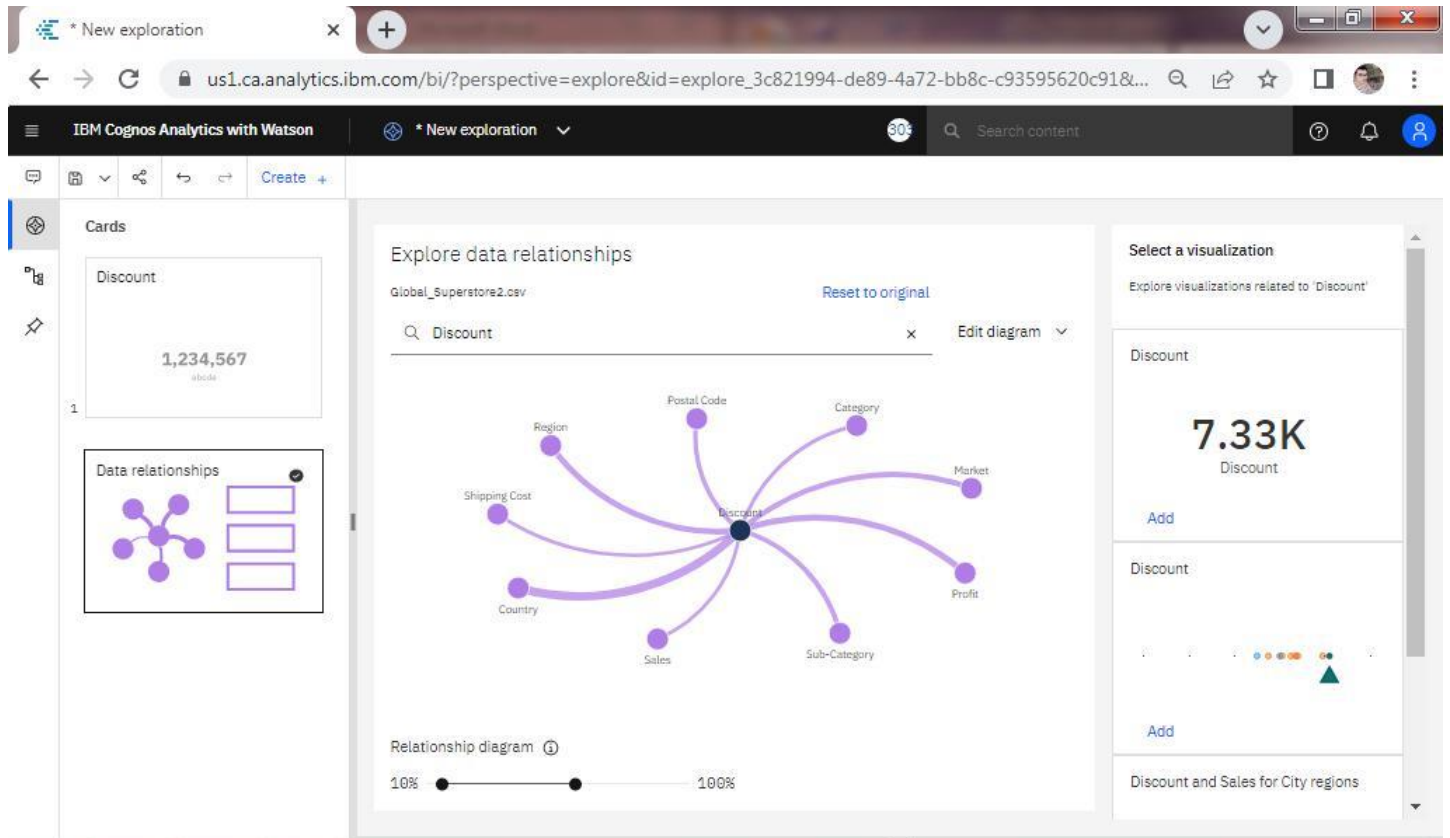
To begin browsing the cleaned and prepared data choose **“My Content”** form the menu.



The screenshot shows the IBM Cognos Analytics web interface. A modal dialog titled "Add a data source to explore" is open, displaying the "My content" tab. The dialog shows a list of four CSV files that have been uploaded. The background interface includes a sidebar with "Quick launch" options like "Upload data", "Get started", and "How-to videos". The top navigation bar shows "IBM Cognos Analytics with Watson" and a search bar.

Name	Type	Last Accessed
50_Startups.csv	Uploaded file	9/22/2022, 8:15 AM
abalone.csv	Uploaded file	10/26/2022, 1:23 PM
Global_Superstore2.csv	Uploaded file	10/28/2022, 8:50 AM
Pharma_Monthly_Sales.csv	Uploaded file	9/29/2022, 12:56 AM

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



13. Save the Exploration.

