

Project Development Phase

Delivery of Sprint - 2

Date	09 November 2022
Team ID	PNT2022TMID40094
Project Name	Global Sales Data Analytics
Maximum Marks	2 Marks

Data preparation phase :-

1. Open IBM Cognos Dashboard.

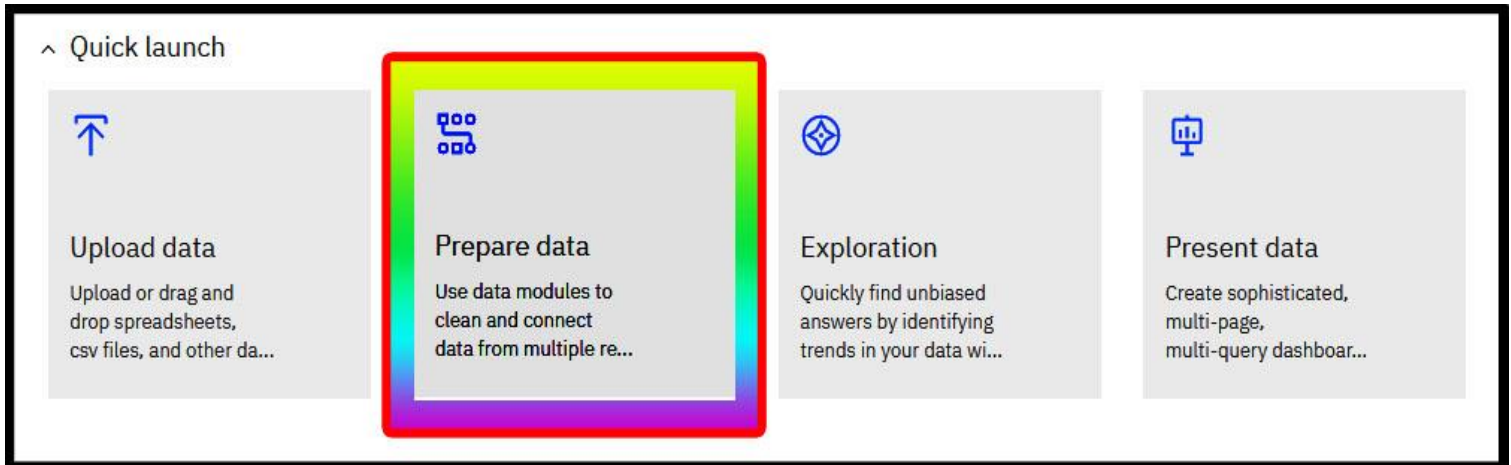
The screenshot shows the IBM Cognos Analytics web interface. The browser tabs include 'IBM', 'IBM-EPBL/IBM-Project-5', 'My IBM', and 'Home'. The address bar shows 'us1.ca.analytics.ibm.com/bi/?perspective=home'. The page header includes 'IBM Cognos Analytics with Watson', a search bar, and user profile icons. The main content area features a 'Quick launch' section with four cards: 'Upload data', 'Prepare data', 'Exploration', and 'Present data'. Below this, there are tabs for 'Get started' and 'Recent'. The 'Recent' tab is active, displaying a table of recent 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

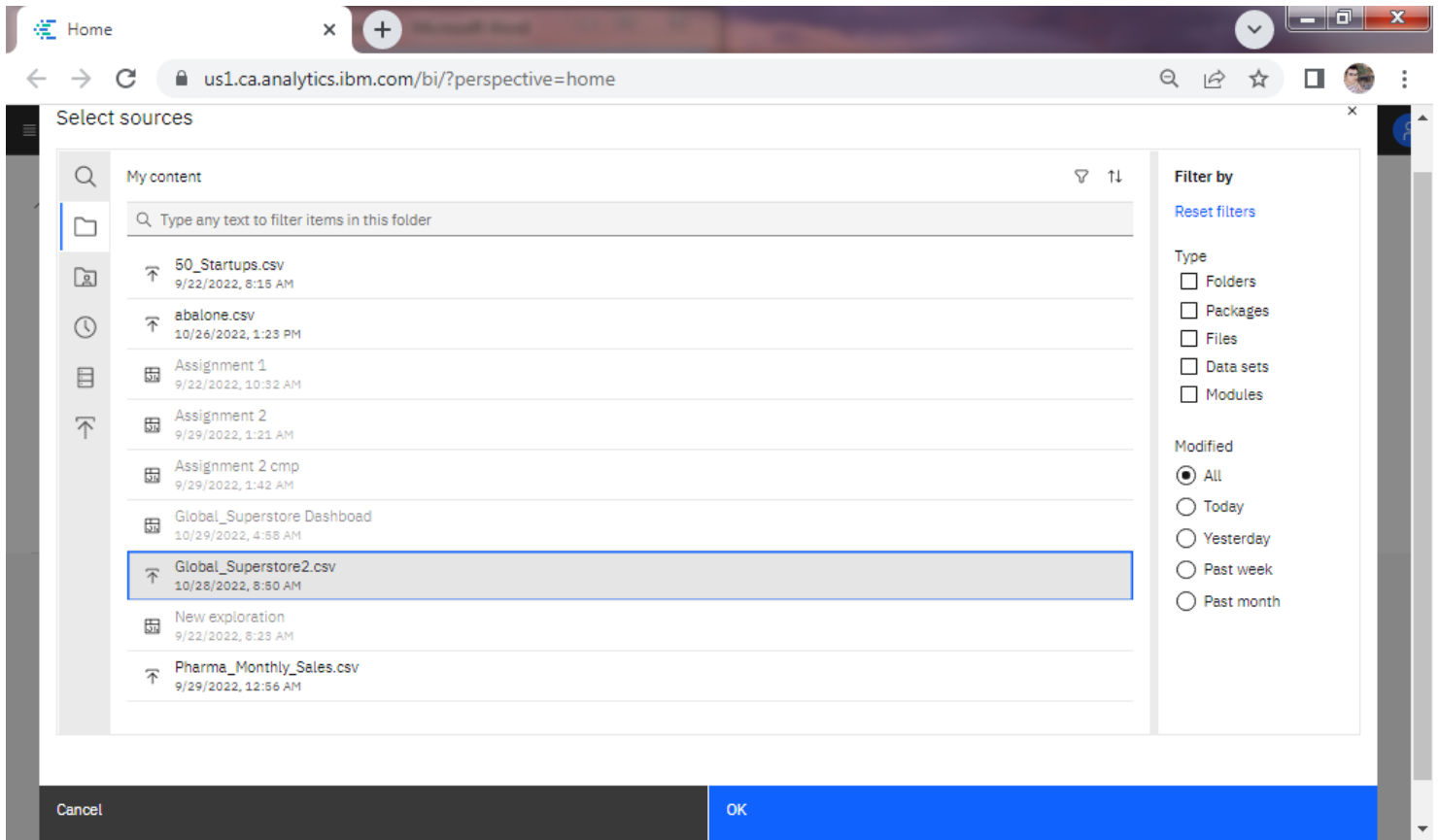
Preparation Phase :-

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.

The screenshot shows the IBM Cognos Analytics web interface. The browser address bar displays the URL: `us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901_9460a1772563449d837c71b100d7...`. The page title is "IBM Cognos Analytics with Watson". The main navigation bar includes a search bar and a "Properties" button. The left sidebar, titled "Data module", contains a search bar and a list of data sources. The "New data module" is selected, showing a list of tables and folders. The main content area displays a "Preview data" instruction with a circular icon containing a table and a checkmark.

Data module

- Navigation paths +
- Global_Su...ore2.csv
 - # 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

Preview data

To preview data, select a table, a column in a table, or a folder that contains columns.

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 table:

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 'Grid' view of data. 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. The data table has columns: Row Id, Row ID, Order ID, Order Date, Ship Date, and Ship Mode. The data rows are as follows:

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 interface. A 'Filter - Order ID' dialog box is open, allowing the user to select specific Order IDs to filter. The dialog includes a search bar, a list of Order IDs with checkboxes, and buttons for 'Clear all', 'Invert', 'Cancel', and 'OK'. The 'AE-2013-1530' entry is selected. In the background, a data tree on the left lists fields like 'Order ID', 'Order Date', 'Ship Date', 'Ship Mode', etc. On the right, a table displays 'Ship Date' and 'Ship Mode' for various orders.

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 shows a tree structure with 'Global_Su...ore2.csv' selected. The main workspace shows a diagram with a single node labeled 'Global_Superstore2.csv'. A context menu is open over this node, offering options such as 'New', 'Calculation...', 'Filter...', 'Table...', 'Rename', 'Show query information...', 'Hide from users', 'Remove', 'Manage filters', 'Auto-arrange', and 'Properties'. On the right, a 'Diagram settings' panel is visible, featuring toggle switches for 'Cardinality' and 'Focus mode', and a 'Degrees of separation: 1' slider. The top of the interface includes a browser window with the URL 'us1.ca.analytics.ibm.com/bj/?perspective=ca-modeller&id=1074720901_9460a1772563449d837c71b100d7...' and a toolbar with various icons for navigation and editing.

8. Save the dataset after preparing the data

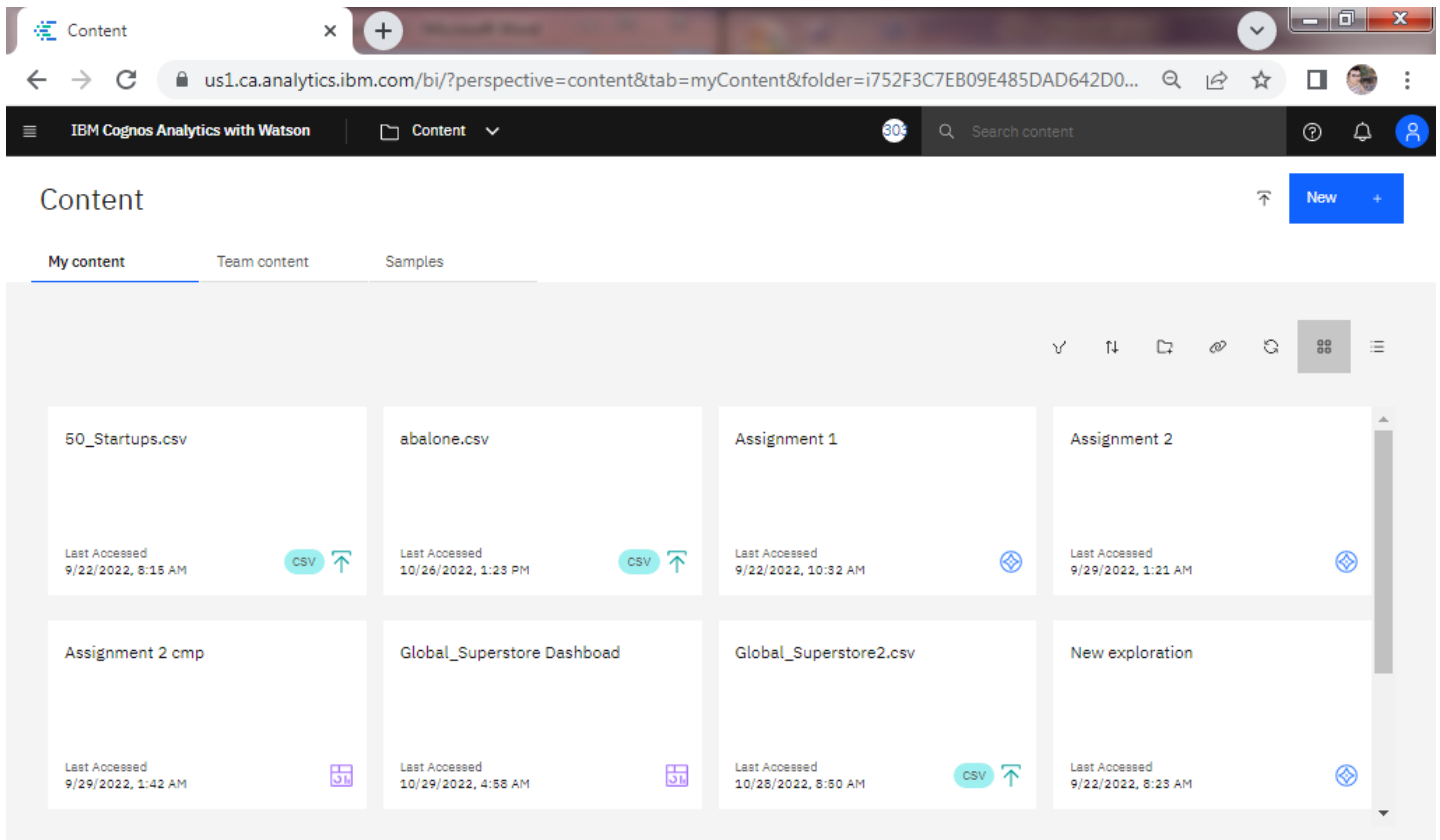
The screenshot shows the IBM Cognos Analytics interface with a 'Save as' dialog box open. The dialog box contains the following elements:

- Name:** A text input field containing 'Delivery of Sprint - 2'.
- Selected destination:** A label indicating 'My content'.
- Content List:** A table showing the contents of the selected destination.

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

At the bottom of the dialog box are two buttons: 'Cancel' and 'Save'.

9. Open “Content” from the menu bar.

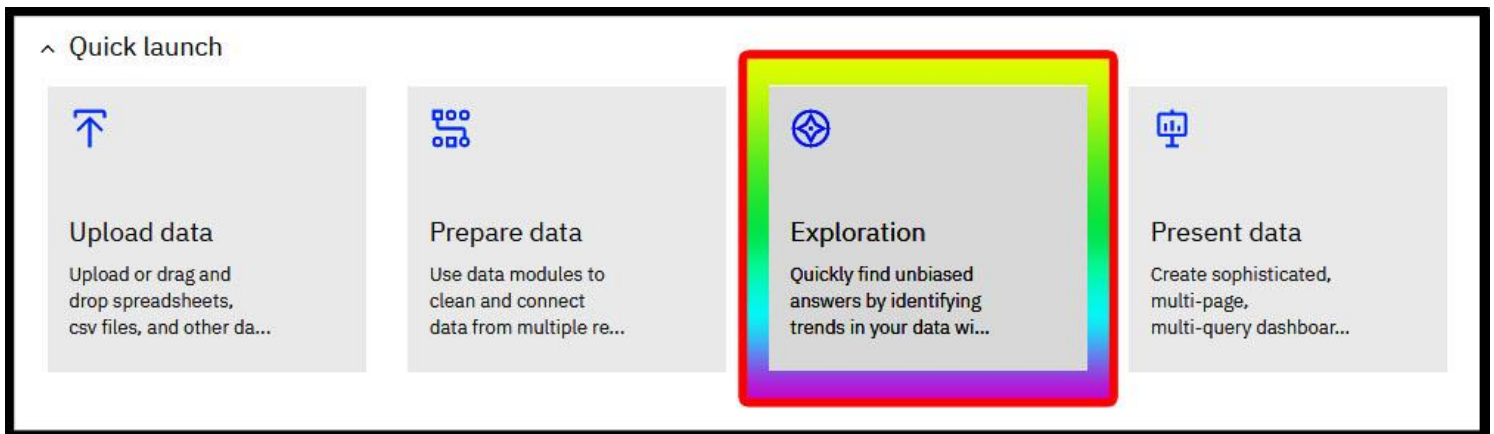


The screenshot shows the IBM Cognos Analytics web interface. The browser address bar displays the URL: `us1.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i752F3C7EB09E485DAD642D0...`. The page header includes the IBM Cognos Analytics logo, a "Content" dropdown menu, a search bar with the placeholder "Search content", and a user profile icon. The main content area is titled "Content" and features a "New" button. Below the title, there are tabs for "My content", "Team content", and "Samples". The "My content" tab is selected, showing a grid of content items. Each item card displays the name, last accessed time, and a status icon (CSV or dashboard). The items are arranged in two rows of four.

Item Name	Last Accessed	Status
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	9/29/2022, 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, 8:23 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.

Home

us1.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

2 items open

Search content

Quick launch

Upload data

Upload or drag and drop spreadsheets, csv files, other data sources.

Get started

Get up and running

How-to videos

Learn how to use IBM Cognos Analytics and start gaining insights in minutes. Watch videos.

Add a data source to explore

My content Team content

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

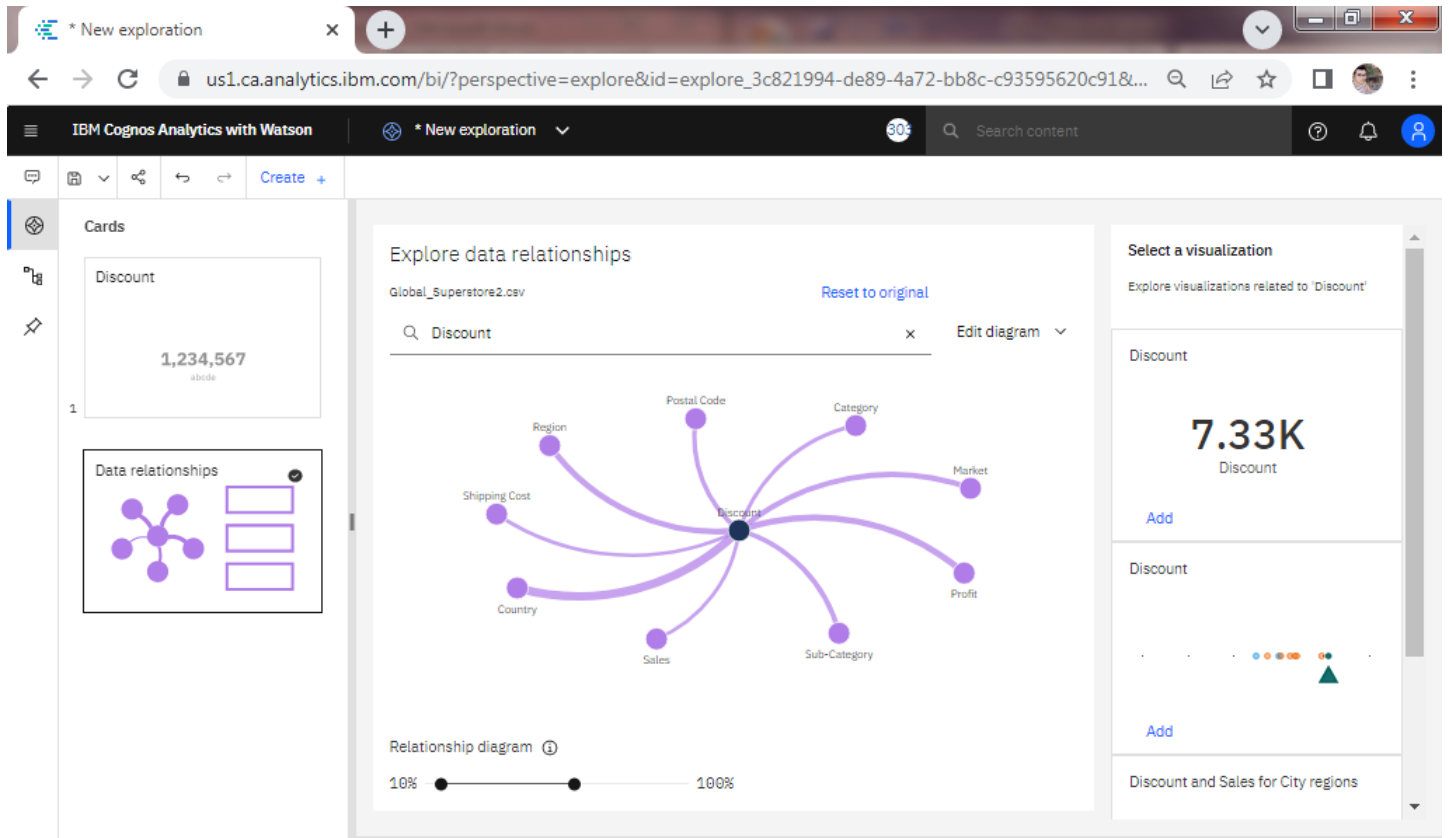
Cancel Add

Browse catalog

watching videos.

Launch the learn pane

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



13. Save the Exploration.

The screenshot shows the IBM Cognos Analytics web interface. A 'Save as' dialog box is open in the center, allowing the user to save the current exploration. The dialog has a 'Name' field containing 'Delivery of Sprint - 2'. Below the name field, it indicates 'Selected destination: My content'. There are two tabs: 'My content' (selected) and 'Team content'. Under 'My content', there is a table listing existing files and explorations.

Name	Type	Last Accessed
50_Startups.csv	CSV	Uploaded file
abalone.csv	CSV	Uploaded file
Assignment 1	Exploration	
Assignment 2	Exploration	

At the bottom of the dialog, there are 'Cancel' and 'Save' buttons. The background shows a dashboard with a 'Discount' card displaying '7.3%' and a 'Data relationships' diagram.