

Project Development Phase

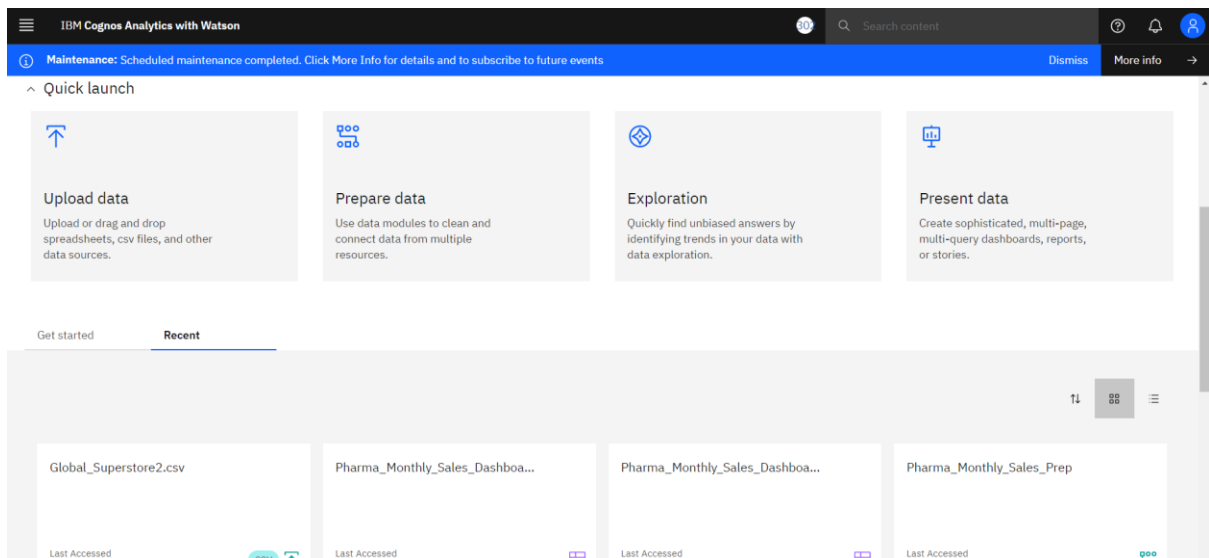
Delivery of Sprint-2

Date	12 November 2022
Team ID	PNT2022TMID31896
Project Name	Global Sales Data Analytics

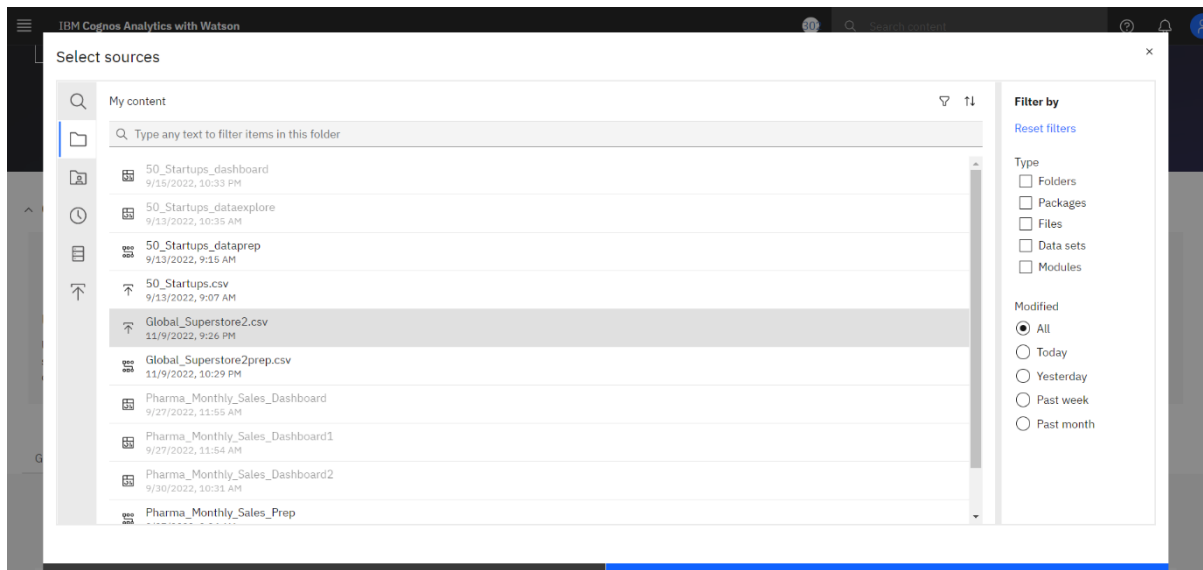
DATA PREPARATION PHASE :

Once the Dataset is uploaded into the IBM Cognos dashboard, we need to prepare the dataset. The data preparation includes cleaning up the data, removing the null values, removing the duplicate values, structuring the data so that the data is well understood for exploration and analysis.

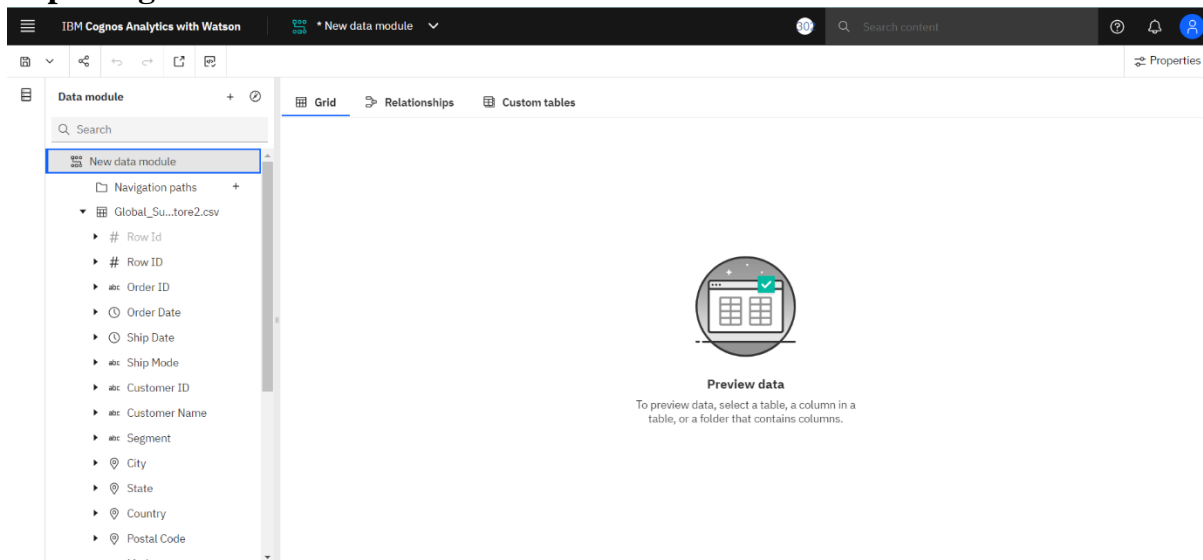
IBM Cognos Dashboard



Select the uploaded dataset from the menu



Exploring the Data modules



Understanding the Data

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Sales

Quantity

Discount

Profit

Shipping Cost

Order Priority

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

Filter the data according to the requirements and remove the unnecessary data

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Sales

Quantity

Discount

Profit

Shipping Cost

Order Priority

Ship Mode	Customer ID	Customer Name	Segment	City	State	Country
Same Day	RH-19495	Rick Hansen	Consumer	New		United States
Second Class	JR-16210	Justin Ritter	Corporate	Wolk	Vales	Australia
First Class	CR-12730	Craig Reiter	Consumer	Brist		Australia
First Class	KM-16375	Katherine Murray	Home Office	Berlin		Germany
Same Day	RH-9495	Rick Hansen	Consumer	Daka		Senegal
Second Class	JM-15655	Jim Mitchum	Corporate	Sydn	Vales	Australia
First Class	TS-21340	Toby Swindell	Consumer	Porin		New Zealand
Standard Class	MB-18085	Mick Brown	Consumer	Hamilton	Waikato	New Zealand
Standard Class	JW-15220	Jane Waco	Corporate	Sacramento	California	United States
Second Class	JH-15985	Joseph Holt	Consumer	Concord	North Carolina	United States

Filter...

Create data group...

Create navigation path...

Split...

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. A 'Filter - City' dialog box is open, allowing the user to select cities to filter. The dialog has a search bar and a list of cities with checkboxes. The following cities are selected:

- ☒ San Francisco
- ☒ San Jose del Monte

The background shows a data table with columns: State, Country, City. The table contains data for various locations, including New York, New South Wales, Queensland, Berlin, Dakar, New South Wales, Wellington, Waikato, California, and North Carolina.

Relationships among the data

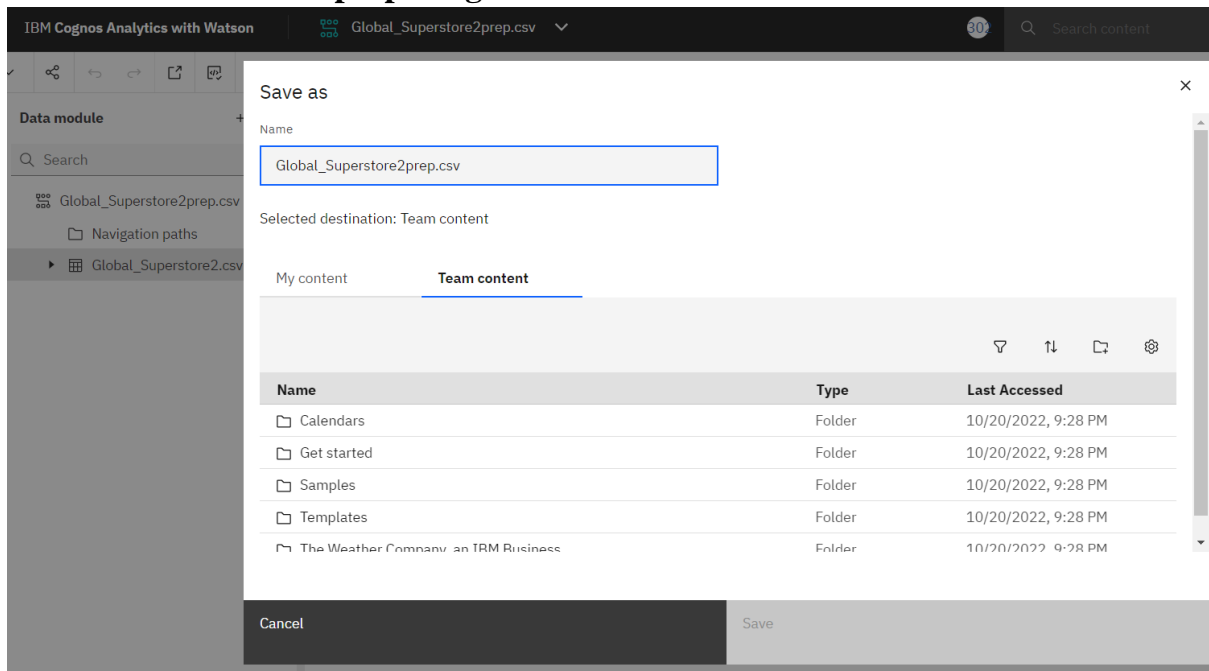
The screenshot shows the IBM Cognos Analytics interface with the 'Relationships' tab selected. A context menu is open for the data source 'Global_Superstore2.csv'. The menu options are:

- New
- Calculation...
- Filter...
- Table...
- Rename
- Show query information...
- Hide from users
- Remove
- Manage filters
- Auto-arrange
- Properties

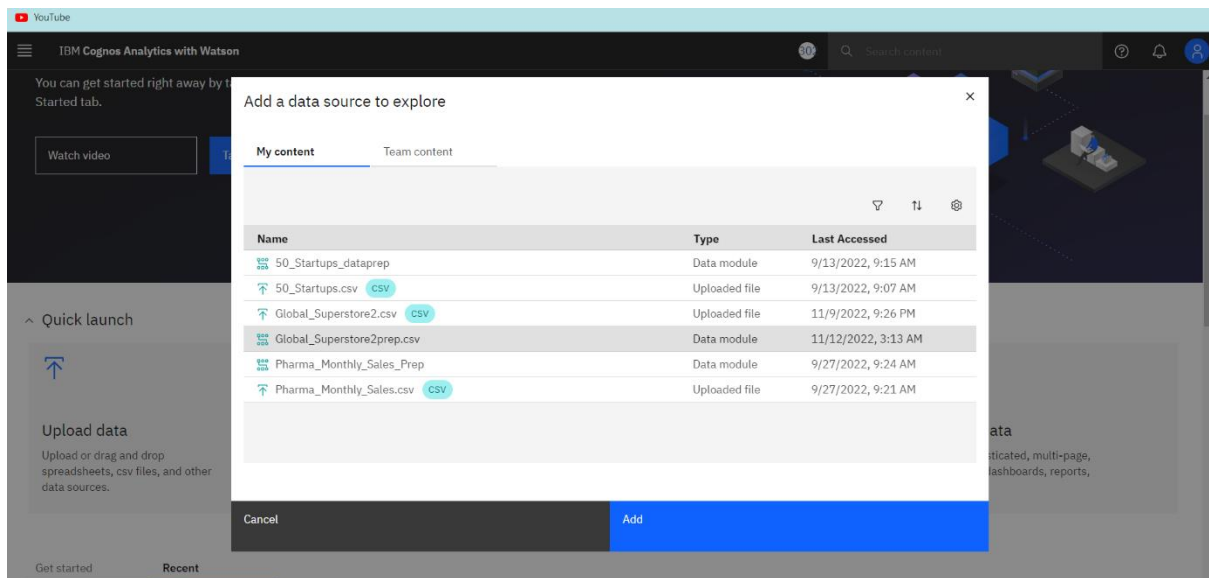
The 'Diagram settings' panel on the right shows the following options:

- Cardinality: ☐
- Focus mode: ☐
- Degrees of separation: 1

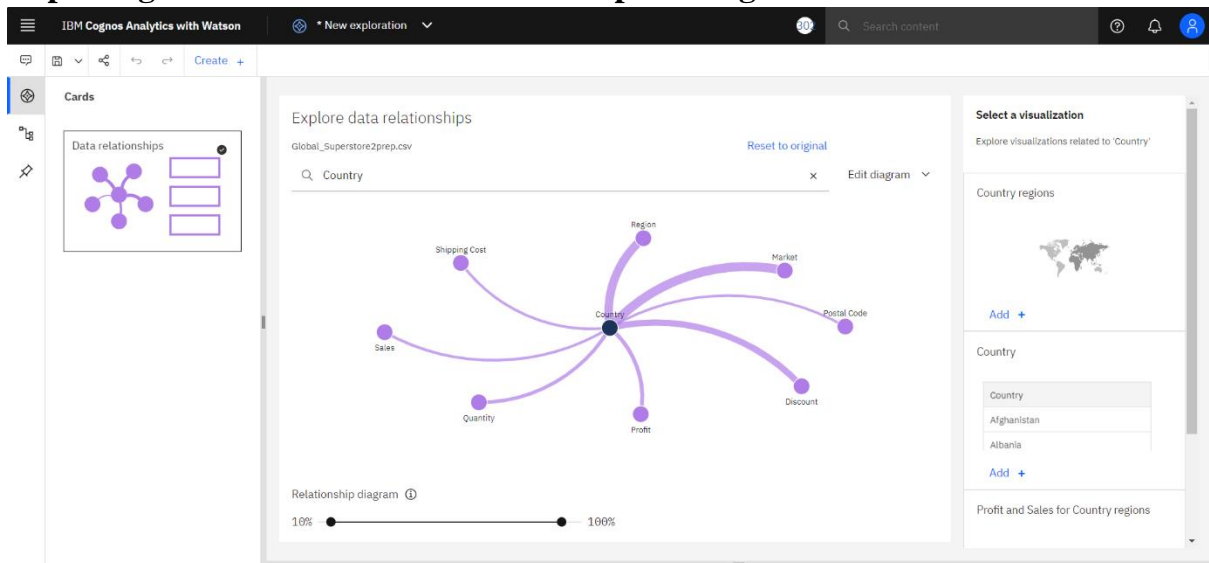
Save the dataset after preparing the data



Select the Data to be explored



Exploring the data and create relationships among the data



Save the exploration

