

PROJECT DEVELOPMENT PHASE

Delivery of Sprint - 2

Team ID	PNT2022TMID42697
Project Name	Global Sales Data Analytics

• DATA PREPARATION PHASE


1. Open IBM Cognos Dashboard

IBM Cognos Analytics with Watson

30°


Search content

Quick launch




Upload data

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




Prepare data

Use data modules to clean and connect data from multiple resources.



Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.



Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

Get started


Recent

Get up and running in IBM Cognos Analytics

How-to videos

Learn how to use IBM Cognos Analytics and start gaining insights into your data.

[Watch videos](#)



Accelerator Catalog

Browse a growing catalog of industry use, best practice guides, custom visualizations, and more.

[Browse catalog](#)

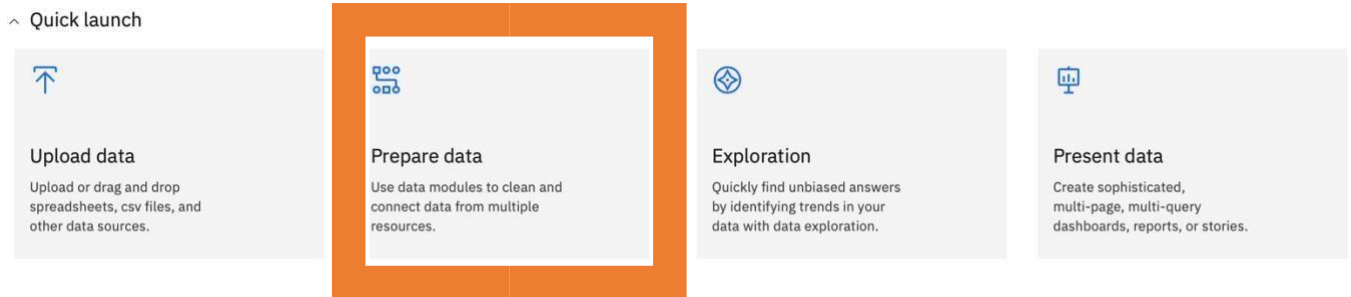
Learning resources

Expand your knowledge and get assistance by connecting with the community, reading documentation, and watching videos.

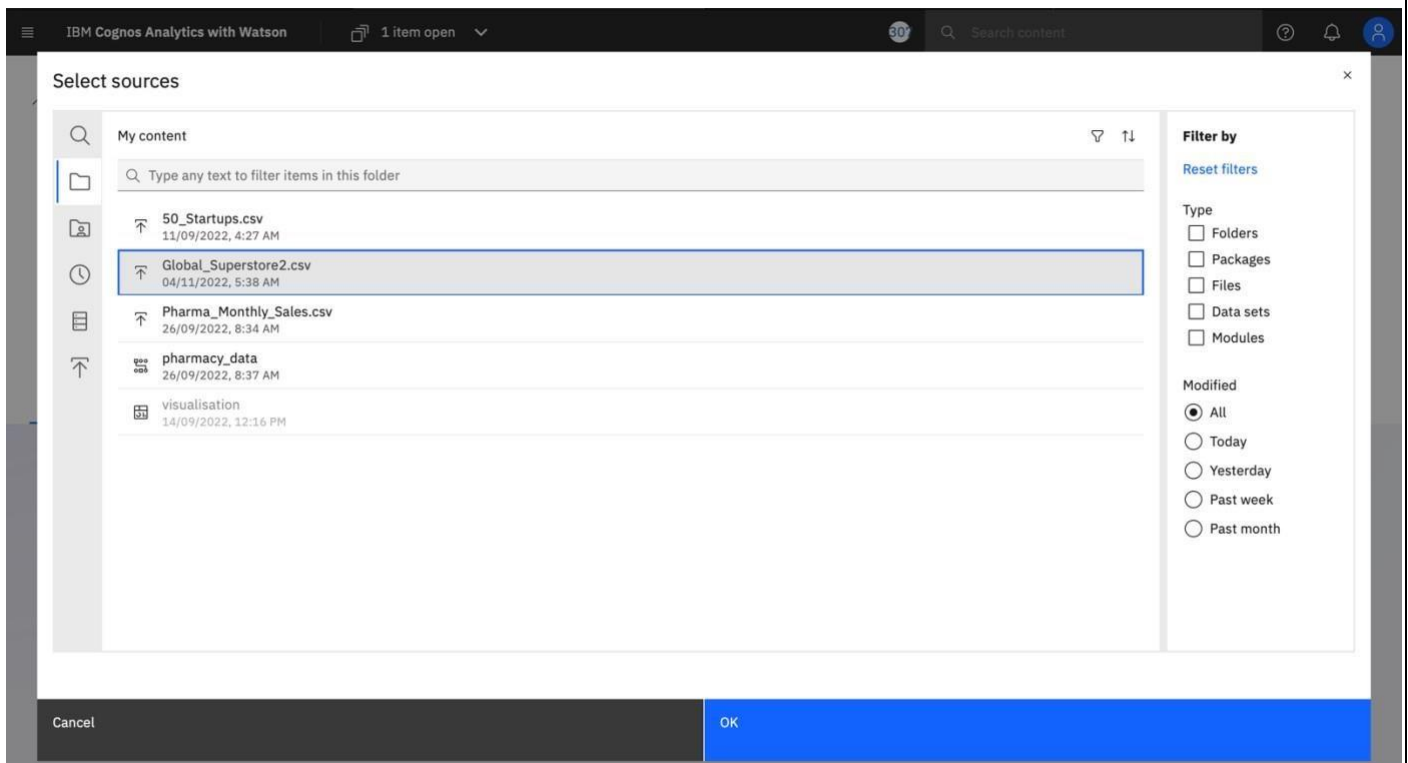
[Launch the learn pane](#)

PREPARATION PHASE:

2. Click on the Prepare Data option



3. Now select the uploaded dataset from the menu



IBM Cognos Analytics with Watson

New data module

30

Search content

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+

+

+

+

Grid

Relationships

Custom tables

Search

New data module

Navigation paths

Global_Superstore2.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

abc Market

📍 Region

abc Product ID

abc Category

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 shows the IBM Cognos Analytics interface. The top bar includes the logo, 'IBM Cognos Analytics with Watson', a dropdown for '* New data module', a search bar, and user icons. The left sidebar shows the 'Data module' section with a search bar and a list of fields: Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, City, State, Country, Postal Code, Market, Region, Product ID, and Category. The main area displays a grid view of the data. The grid has columns: Row Id, Row ID, Order ID, Order Date, Ship Date, Ship Mode, and Customer ID. The data is as follows:

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
2	26341	IN-2013-77878	2013-02-05	2013-02-07	Second Class	JR
3	25330	IN-2013-71249	2013-10-17	2013-10-18	First Class	CR
4	13524	ES-2013-1579342	2013-01-28	2013-01-30	First Class	KM
5	47221	SG-2013-4320	2013-11-05	2013-11-06	Same Day	RH
6	22732	IN-2013-42360	2013-06-28	2013-07-01	Second Class	JM
7	30570	IN-2011-81826	2011-11-07	2011-11-09	First Class	TS
8	31192	IN-2012-86369	2012-04-14	2012-04-18	Standard Class	MB
9	40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class	JW
10	40936	CA-2012-116638	2012-01-28	2012-01-31	Second Class	JH
11	34577	CA-2011-102988	2011-04-05	2011-04-09	Second Class	GM
12	28879	ID-2012-28402	2012-04-19	2012-04-22	First Class	AJ

6. Filtering the data

The screenshot shows the IBM Cognos Analytics interface. The top bar includes the logo, 'IBM Cognos Analytics with Watson', a dropdown for '* global sales data cleaned', a search bar, and user icons. The left sidebar shows the 'Data module' section with a search bar and a list of fields: 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, and Order Priority. The main area displays a grid view of the data. The grid has columns: Product ID, Category, Sub-Category, Product Name, Sales, and Quantity. The data is as follows:

Product ID	Category	Sub-Category	Product Name	Sales	Quantity
TEC-AC-10003033	Technology	Accessories	Plantronics Over-the-ear monaural Headset		7
FUR-CH-10003950	Furniture	Chairs	Novimex Leather Adjustable Office Chair		9
TEC-PH-10004664	Technology	Phones	Nokia Smartphone with Call Recorder		9
TEC-PH-10004583	Technology	Phones	Motorola Cordless Phone		5
TEC-SHA-10000501	Technology	Copiers	Sharp Wireless High-Speed Copier		8
TEC-PH-10000030	Technology	Phones	Samsung Smartphone with Call Recorder		5
FUR-CH-10004050	Furniture	Chairs	Novimex Leather Adjustable Office Chair		4
FUR-TA-10002958	Furniture	Tables	Chromcraft Conference Table, Fully Assembled	5244.84	6
OFF-BI-10003527	Office Supplies	Binders	Fellowes PB500 Electric Punch Plastic Comb Binding Machine with Manual Bind	5083.96	5
FUR-TA-10000198	Furniture	Tables	Chromcraft Bull-Nose Wood Oval Conference Tables & Bases	4297.644	13
OFF-SU-10002881	Office Supplies	Supplies	Martin Yale Chadless Opener Electric Letter Opener	4164.05	5
FUR-TA-10001889	Furniture	Tables	Bevis Conference Table, Fully Assembled	4626.15	5

IBM Cognos Analytics with Watson * global sales data cleaned

Search content

Properties

Data module

Search

Region

Product ID

- FUR-ADV...000002
- FUR-ADV...000108
- FUR-ADV...000183
- FUR-ADV...000188
- FUR-ADV...000190
- FUR-ADV...000571
- FUR-ADV...000600
- FUR-ADV...000847
- FUR-ADV...001283
- FUR-ADV...001440
- FUR-ADV...001659
- FUR-ADV...001855
- FUR-ADV...002329
- FUR-ADV...002601
- FUR-ADV...002632

Load more ...

Category

Sub-Category

Technology Accessories

Furniture Chairs

Technology Phones

Technology Phones

Technology Copiers

Technology Phones

Furniture Chairs

Furniture Tables

Office Supplies Binders

Furniture Tables

22304 US South OFF-SU-10002881 Office Supplies Supplies

Null APAC Central Asia FUR-TA-10001889 Furniture Tables

Filter - Region

Add a filter condition +

Search

☐ Africa

☐ Canada

☐ Caribbean

☐ Central

☐ Central Asia

☐ EMEA

☐ East

☐ North

Clear all

Invert

Cancel OK

7. Creating Relationships among the data

IBM Cognos Analytics with Watson * global sales data cleaned

Search content

Properties

Data module

Search

Global_Superstore2.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
- abc Market
- Region
- Product ID
- FUR-ADV...000002
- FUR-ADV...000108
- FUR-ADV...000183

Grid Relationships Custom tables

Global_Superstore2.csv

New

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

Diagram settings

Cardinality

Focus mode

Degrees of separation: 1

1

8. Save the dataset after preparing the data

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Global_Superstore

Row ID

Row ID

abc Order ID

abc Order Date

abc Ship Date

abc Ship Mode

abc Customer ID

abc Customer Name

abc Segment

abc City

abc State

abc Country

abc Postal Code

abc Market

abc Region

abc Product ID

abc Category

Save as

Name

global sales data cleaned

Selected destination: My content

My content Team content

Name	Type	Last Accessed
50_Startups.csv	CSV	11/09/2022, 4:27 AM
Global_Superstore2.csv	CSV	04/11/2022, 5:38 AM
Pharma_Monthly_Sales.csv	CSV	26/09/2022, 8:34 AM
pharmacy_data	Data module	26/09/2022, 8:37 AM
visualisation	Exploration	14/09/2022, 12:16 PM

Cancel Save

12	28879	ID-2012-28402	2012-04-19	2012-04-22	First Class	AJ-
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9. Open “Content” from the menu bar

IBM Cognos Analytics with Watson

Content

Search content

Content

New


My content Team content Samples

50_Startups.csv	global sales data cleaned	Global Superstore Dashboard	Global_Superstore2.csv
Last Accessed 11/09/2022, 4:27 AM	Last Accessed 04/11/2022, 5:48 AM	Last Accessed 04/11/2022, 8:02 AM	Last Accessed 04/11/2022, 5:38 AM
Pharma_Monthly_Sales.csv	pharmacy_data	visualisation	
Last Accessed 26/09/2022, 8:34 AM	Last Accessed 26/09/2022, 8:37 AM	Last Accessed 14/09/2022, 12:16 PM	


• DATA EXPLORATION PHASE

10. Data Exploration


^ Quick launch




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



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Present data
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11. Select the data to be explored

IBM Cognos Analytics with Watson1 item open

Search content

Quick launch

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Get startedRecent

Get up and running in I

How-to videos
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Samples

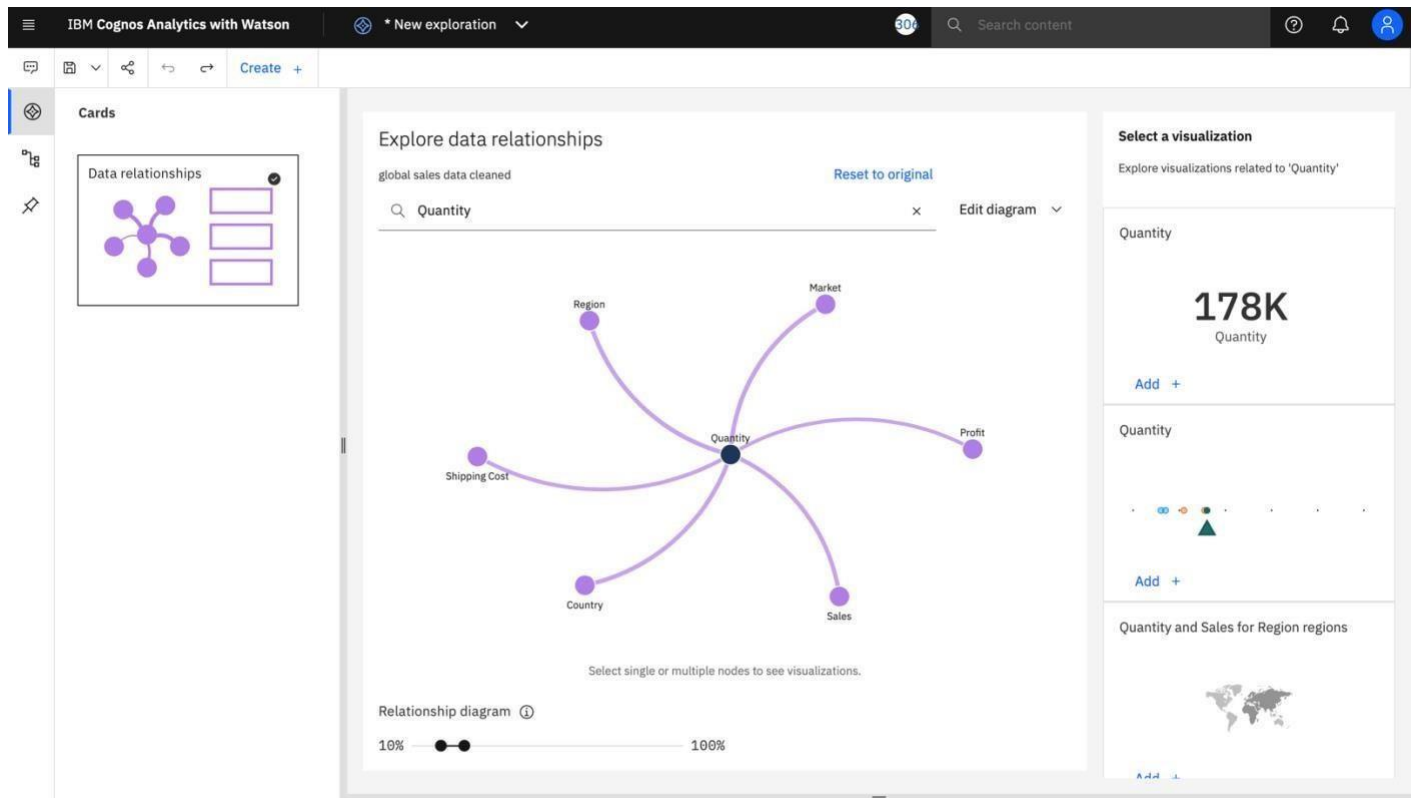
Add a data source to explore

My contentTeam content

Name	Type	Last Accessed
50_Startups.csv CSV	Uploaded file	11/09/2022, 4:27 AM
global sales data cleaned	Data module	04/11/2022, 5:48 AM
Global_Superstore2.csv CSV	Uploaded file	04/11/2022, 5:38 AM
Pharma_Monthly_Sales.csv CSV	Uploaded file	26/09/2022, 8:34 AM
pharmacy_data	Data module	26/09/2022, 8:37 AM

CancelAdd

12. Start exploring the data and create relationships among the data.



13. Save the exploration

