

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

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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 startedRecent

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](#)

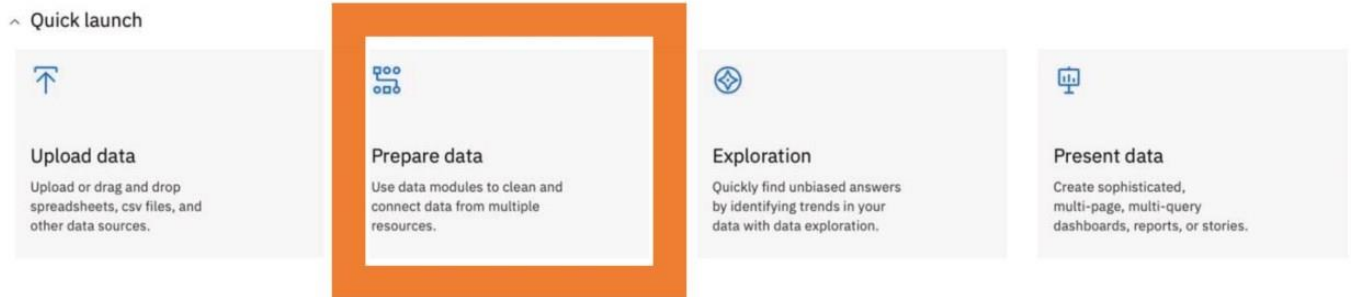
Learning resources

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

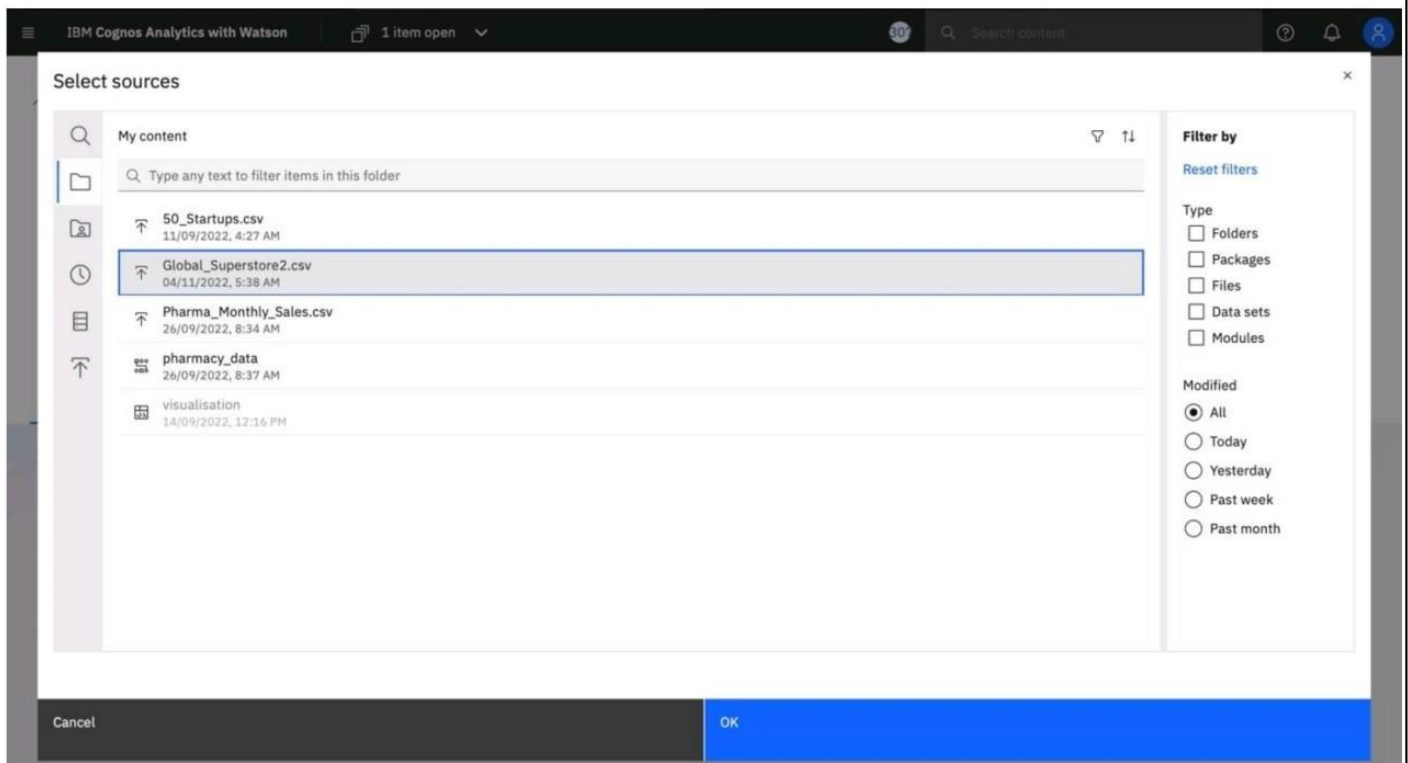
[Launch the learn pane](#)

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

90°

Search content

?

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

IBM Cognos Analytics with Watson

* New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Global_Superstore2.csv

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

| 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

IBM Cognos Analytics with Watson

* global sales data cleaned

Search content

Properties

Data module

Search

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Sales

Quantity

Filter...

Create data group...

Create navigation path...

Split...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

| 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 Chair | | 9 |
| TEC-PH-10004664 | Technology | Phones | Nokia Smartphone with Call | | 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 | | 5 |
| FUR-CH-10004050 | Furniture | Chairs | Novimex Leather 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
- Order ID
- Order Date
- Ship Date
- Ship Mode
- Customer ID
- Customer Name
- Segment
- City
- State
- Country
- Postal Code
- 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

The screenshot shows the IBM Cognos Analytics interface with a 'Save as' dialog box open. The dialog box has a 'Name' field containing 'global sales data cleaned'. Below the name field, it says 'Selected destination: My content'. There are two tabs: 'My content' (selected) and 'Team content'. The 'My content' tab displays a table of existing content items.

| 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 |

At the bottom of the dialog box are 'Cancel' and 'Save' buttons. The background interface shows a sidebar with 'Data module' and a list of fields like 'Row ID', 'Order ID', 'Ship Date', etc. The main area displays a table with columns like 'Ship Mode', 'Class', and 'Status'.

9. Open “Content” from the menu bar

The screenshot shows the IBM Cognos Analytics interface with the 'Content' view selected in the menu bar. The 'Content' view displays a grid of content items. The 'My content' tab is selected, showing a list of items with their names, types, and last accessed dates.

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

The interface includes a top navigation bar with 'IBM Cognos Analytics with Watson', a 'Content' dropdown menu, and a search bar. The main area has a 'Content' header and a 'New' button. The content items are displayed in a grid with icons representing their types (CSV, Data module, Exploration, etc.).

• DATA EXPLORATION PHASE

10. Data Exploration

^ 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

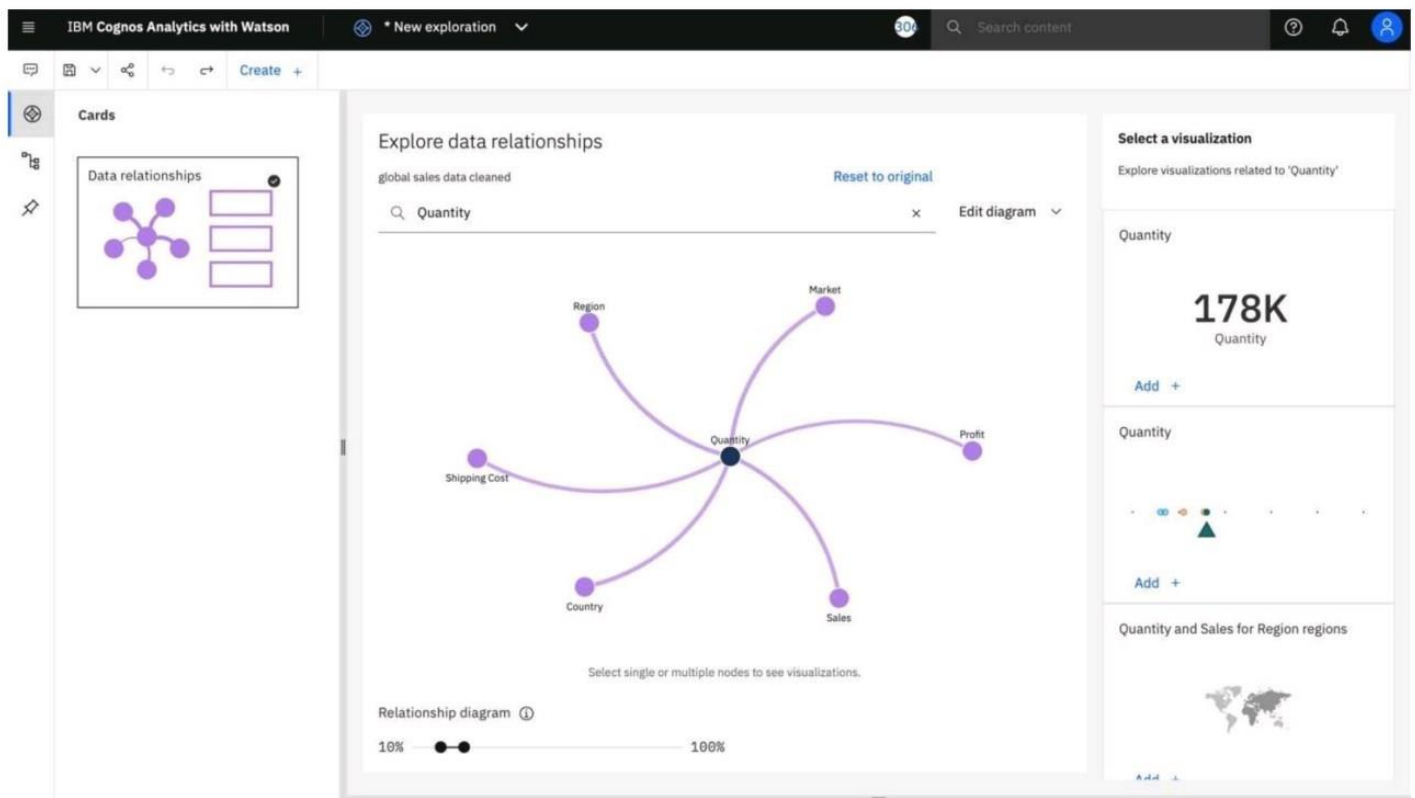
Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

11. Select the data to be explored

The screenshot shows the IBM Cognos Analytics interface. A dialog box titled "Add a data source to explore" is open, displaying a table of available data sources. The table has columns for Name, Type, and Last Accessed. The "My content" tab is selected, showing a list of files and data modules. The "Add" button is visible at the bottom right of the dialog box.

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

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



13. Save the exploration

