

PROJECT DEVELOPMENT PHASE

DELIVERY OF SPRINT-2

Team ID	PNT2022TMID03233
Project Name	Global Sales Data Analytics

Preparing the dataset:

- Once the data is loaded, it needs to be cleaned and processed.
- Prepare calculations of year, month and day fields and create related navigation paths.
- Create a few more calculations – target sales, min sales range, max sales range and mid sales range.

Global Super Store Dataset | Ka | My IBM | Home

us3.ca.analytics.ibm.com/bi/?perspective=home

IBM Cognos Analytics with Watson

Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video Take a product tour

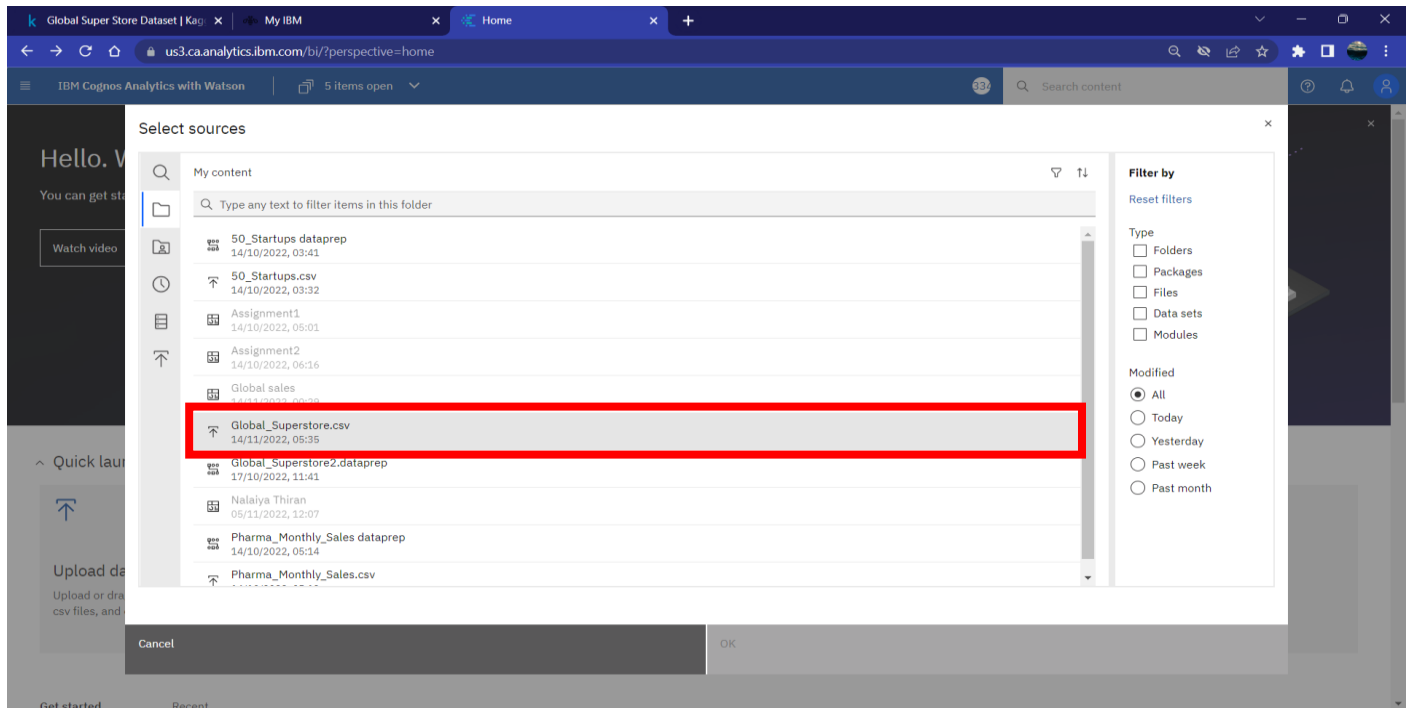
Quick launch

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.

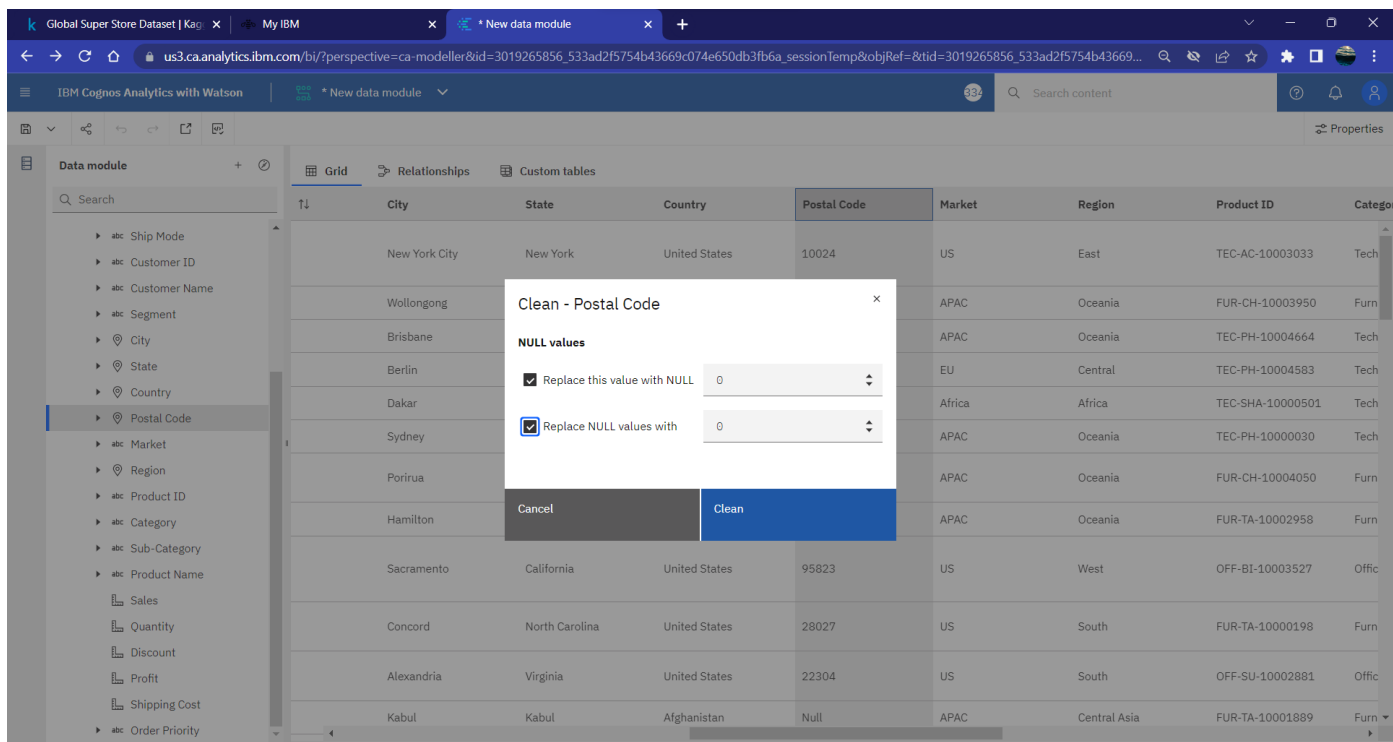
Exploration
Quickly find unbiased answers by identifying trends in your data with data exploration.

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



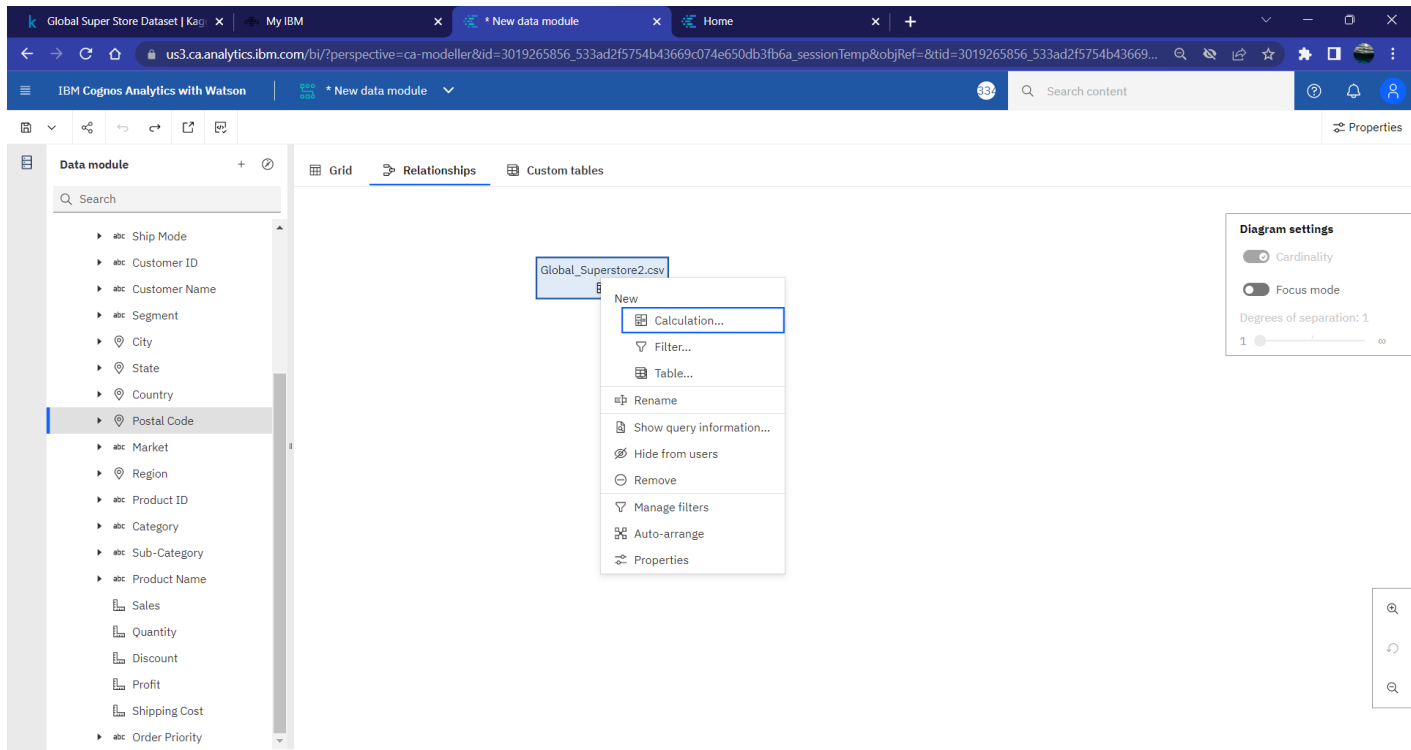
Data cleaning and Data Pre-Processing:

Removing the null values

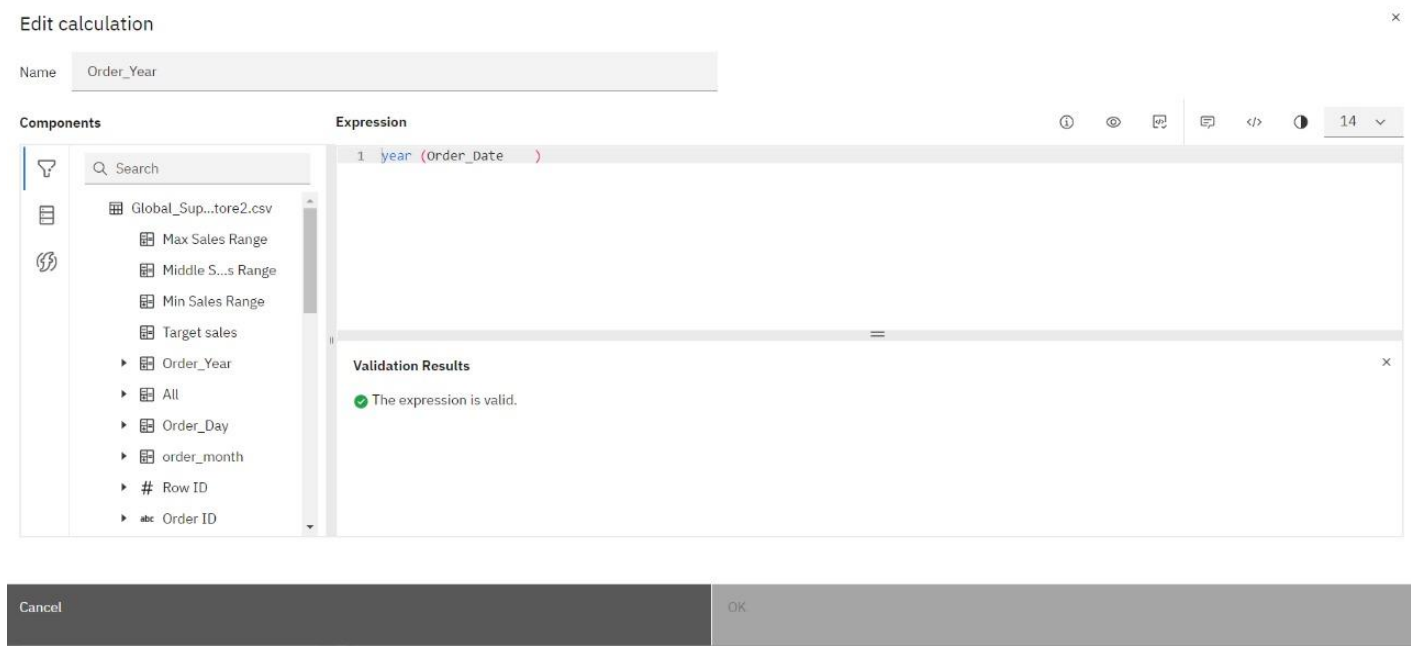


Data Calculations:

Create calculation to make the data prepared.



1. Extracting year from order date column.



2. Extracting month from order date column.

Edit calculation

Name order_month

Components

Expression

14

Q Search

Global_Sup...tore2.csv

Max Sales Range

Middle S...s Range

Min Sales Range

Target sales

Order_Year

All

Order_Day

order_month

Row ID

abc Order ID

1 month (Order_Date)

Validation Results

The expression is valid.

Cancel

OK

3. Extracting day from order date column.

Edit calculation

Name Order_Day

Components

Expression

14

Q Search

Global_Sup...tore2.csv

Max Sales Range

Middle S...s Range

Min Sales Range

Target sales

Order_Year

All

Order_Day

order_month

Row ID

abc Order ID

1 Day (Order_Date)

Information

Cancel

OK

4. Creating calculation for target sales.

Edit calculation

Name

Target sales

Components

Expression

Q Search

Global_Sup...tore2.csv

Max Sales Range

Middle S...s Range

Min Sales Range

Target sales

Order_Year

All

Order_Day

order_month

Row ID

abc Order ID

1 Sales * 1.10

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel

OK

Create Navigation path:

Edit navigation path

Q Search

Global_Superstore2.csv

Name

OrderDate

Select and order the columns to use in the navigation path.

abc All

Global_Superstore2.csv

Order_Year

Global_Superstore2.csv

order_month

Global_Superstore2.csv

Order_Day

Global_Superstore2.csv

Cancel

OK

Data Exploration:

The screenshot shows the IBM Cognos Analytics with Watson home page. The browser address bar displays `us3.ca.analytics.ibm.com/bi/?perspective=home`. The page header includes the IBM Cognos Analytics with Watson logo and a search bar. A maintenance notice is visible: "Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events". The main content area features a welcome message: "Hello. Welcome to Cognos Analytics with Watson." and a sub-message: "You can get started right away by taking a look at our introduction video, product tour and Getting Started tab." Below this are two buttons: "Watch video" and "Take a product tour". The "Quick launch" section contains four cards: "Upload data" (with an icon of an upward arrow), "Prepare data" (with an icon of a data cube), "Exploration" (with an icon of a magnifying glass over a cube, highlighted with a red border), and "Present data" (with an icon of a presentation screen). The "Exploration" card includes the text: "Quickly find unbiased answers by identifying trends in your data with data exploration."

Explore the data:

Explore the data and create relationships among the data.