

PREPARE THE DATASETS

Team ID	PNT2022TMID51031
Project Name	Global Sales Data Analytics

DATA PREPARATION:

First understand and load the data.

IBM Cognos Analytics with Watson

Search content

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

Select sources

My content

Type any text to filter items in this folder

- Data Module
9/21/2022, 8:13 AM
- 50_Startups.csv
9/18/2022, 4:00 AM
- ass1
9/18/2022, 5:48 AM
- bank (1).csv
9/18/2022, 11:49 PM
- Bank Analytics Dashboard
9/19/2022, 1:39 AM
- Data Virtualization charts
10/30/2022, 3:54 AM
- Global Superstore.xls
10/29/2022, 4:09 AM
- Global_Superstore2.xlsx
10/29/2022, 10:07 AM
- Pharma Sales Dashboard
9/26/2022, 1:39 AM
- Pharma_Monthly_Sales.csv

Filter by

Reset filters

Type

- ☐ Folders
- ☐ Packages
- ☐ Files
- ☐ Data sets
- ☐ Modules

Modified

- ☒ All
- ☐ Today
- ☐ Yesterday
- ☐ Past week
- ☐ Past month

Cancel OK

IBM Cognos Analytics with Watson | Sales module

Search content

Properties

Data module

Grid Relationships Custom tables

Search

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
1	3229	4891	31-07-2012	31-07-2012	Same Day
2	2634	378	05-02-2013	07-02-2013	Second Class
3	2533	249	17-10-2013	18-10-2013	First Class
4	1352	79342	28-01-2013	30-01-2013	First Class
5	4722	20	05-11-2013	06-11-2013	Same Day
6	2273	360	28-06-2013	01-07-2013	Second Class
7	3057	326	07-11-2011	09-11-2011	First Class
8	31192	IN-2012-86369	14-04-2012	18-04-2012	Standard Class
9	40155	CA-2014-135909	14-10-2014	21-10-2014	Standard Class

Filter...

Create calculation...

Create data group...

Create navigation path...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

IBM Cognos Analytics with Watson | New data module

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

Dismiss More info

Properties

Data module

Grid Relationships Custom tables

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Order ID

Order Date

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Ship Mode

Customer ID

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Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Row ID	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	32298	CA-2012-116638	2012-07-31	2012-07-31	Same Day	RH-19495
2	26341	IN-2013-1130	2013-02-07	2013-02-07	Second Class	JR-16210
3	25330	IN-2013-10-18	2013-10-18	2013-10-18	First Class	CR-12730
4	13524	ES-2013-01-30	2013-01-30	2013-01-30	First Class	KM-16375
5	47221	SG-2013-11-06	2013-11-06	2013-11-06	Same Day	RH-9495
6	22732	IN-2013-07-01	2013-07-01	2013-07-01	Second Class	JM-15655
7	30570	IN-2011-11-09	2011-11-09	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...

Create data group...

Create navigation path...

Split...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

IBM Cognos Analytics with Watson | New data module

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Data module

Grid Relationships Custom tables

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Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

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City

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Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Product Name

Row ID	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
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2	26341	IN-2013-1130	2013-02-07	2013-02-07	Second Class	JR-16210
3	25330	IN-2013-10-18	2013-10-18	2013-10-18	First Class	CR-12730
4	13524	ES-2013-01-30	2013-01-30	2013-01-30	First Class	KM-16375
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10	40936	CA-2012-116638	2012-01-28	2012-01-31	Second Class	JH-15985

Filter - Order ID

Add a filter condition +

Search

AE-2011-9160

AE-2013-1130

AE-2013-1530

AE-2014-2840

AE-2014-3830

AE-2014-4120

AG-2011-1070

AG-2011-1390

Clear all

Invert

Cancel

OK

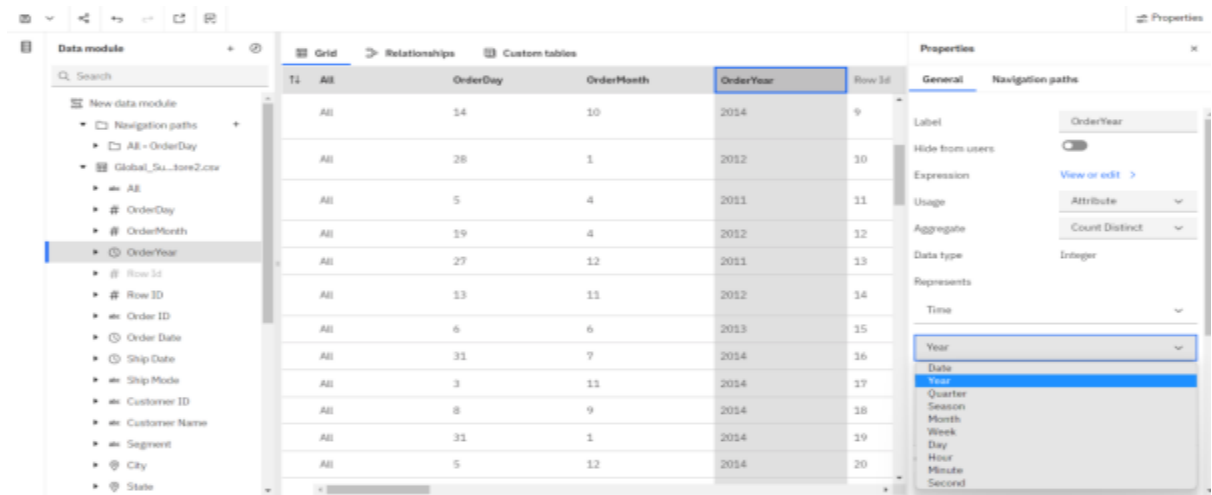
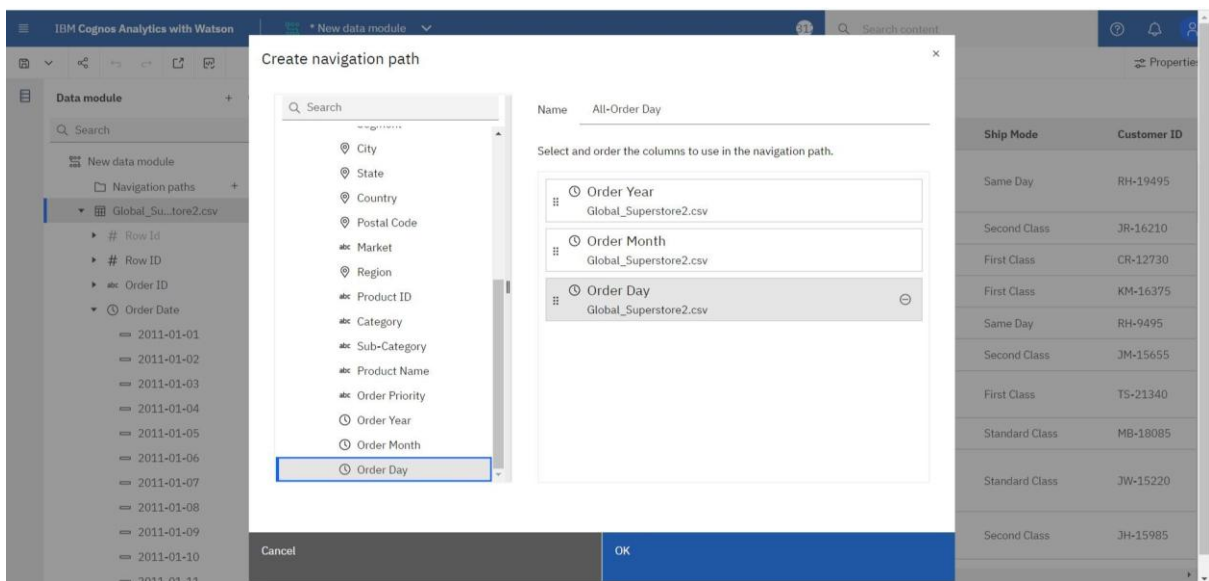
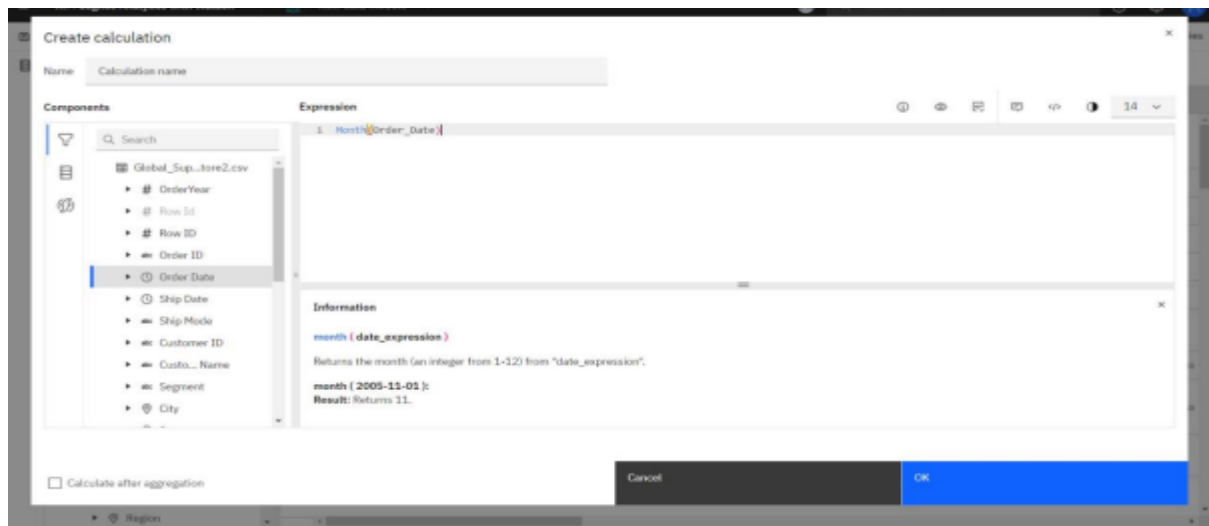
Once cleaned, the data is saved.

Once you load the data, we need to Prepare the data.

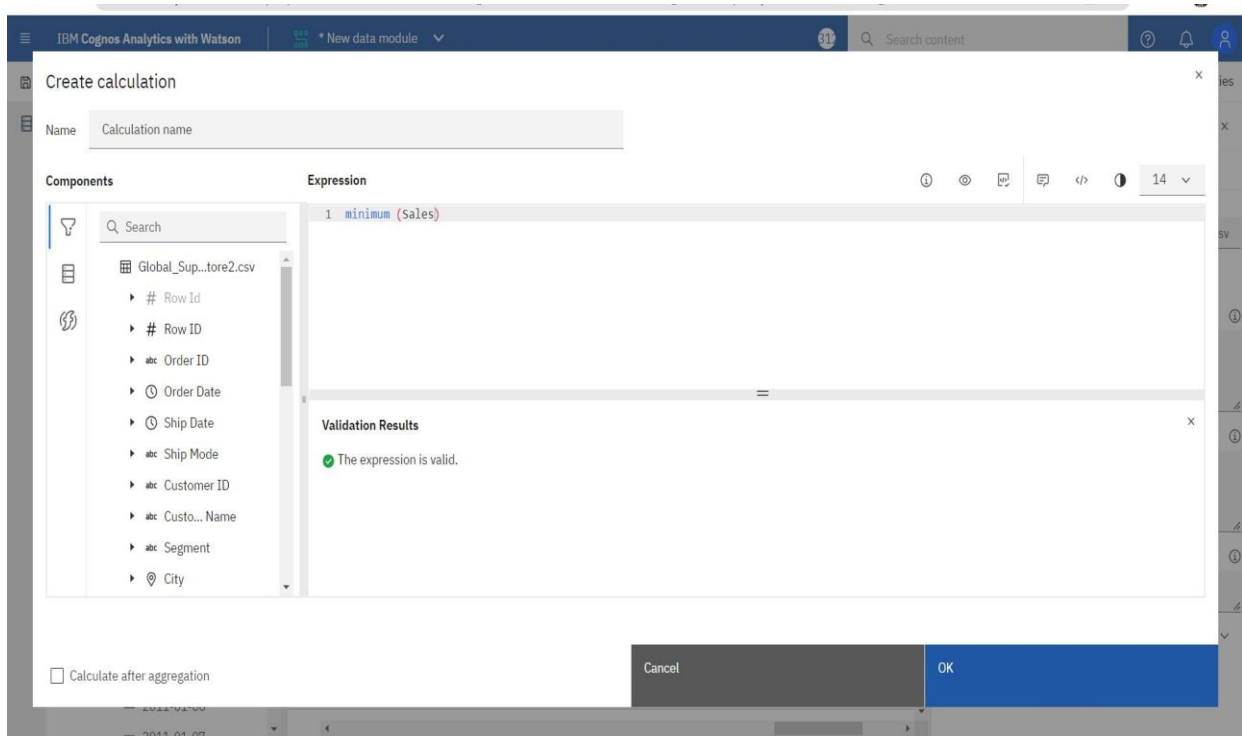
The screenshot shows the IBM Cognos Analytics with Watson interface. The top navigation bar includes the logo, the text "IBM Cognos Analytics with Watson", a "New data module" dropdown, a search bar, and user icons. The main area is divided into a left sidebar and a central grid. The sidebar shows a "Data module" with a search bar and a tree view of the data structure, including "Global_Sup...tore2.csv" and various fields like "Row ID", "Order ID", "Order Date", "Ship Date", "Ship Mode", "Customer ID", "Segment", "City", "State", "Country", "Postal Code", "Market", and "Product". The central grid displays a table of data with columns: "Row ID", "Order ID", "Order Date", "Ship Date", "Ship Mode", and "Customer ID". A context menu is open over the first row, showing options like "New", "Calculation...", "Filter...", "Folder", "Table...", "Show query information...", "Specify column dependencies", "Refresh members", "Hide from users", "Remove", "Refresh properties...", "Sort...", "Rename", "Cut", "Copy", "Manage filters", and "Properties".

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

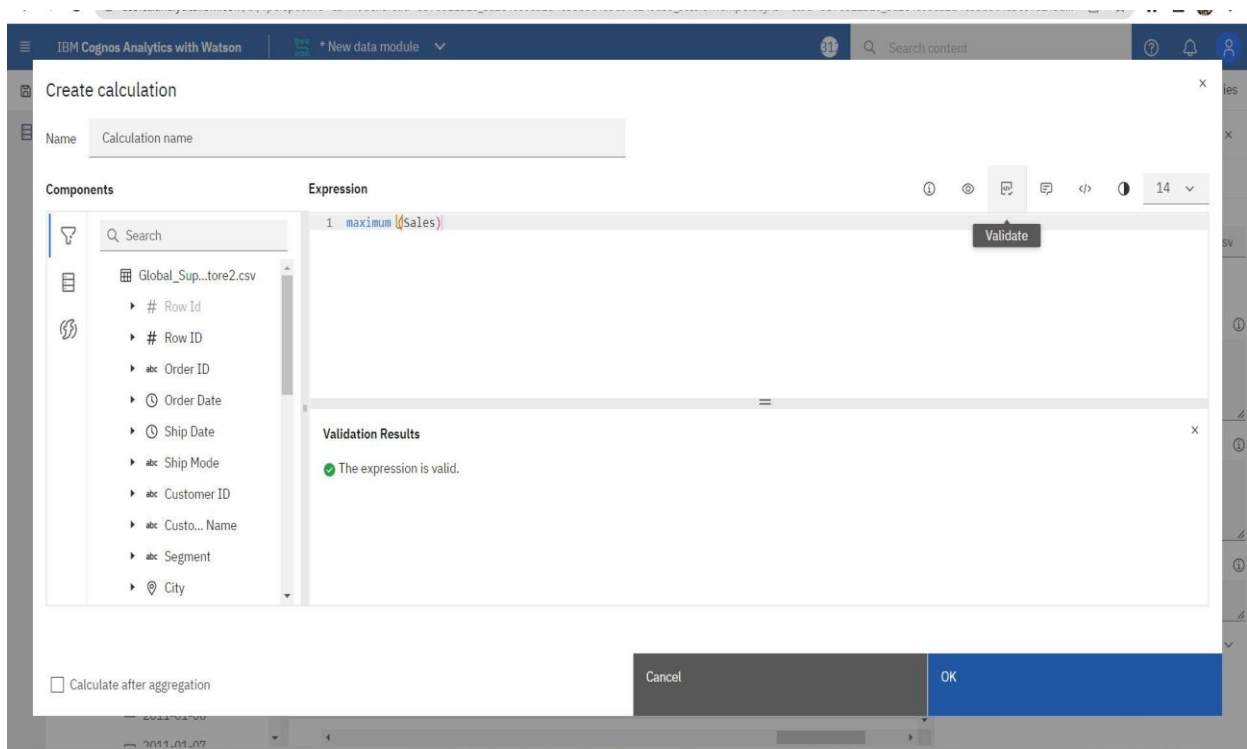
The screenshot shows the "Create calculation" dialog box. It has a "Name" field with the value "Calculation name". Below it, there are two panes: "Components" and "Expression". The "Components" pane shows a tree view of the data structure, including "Global_Sup...tore2.csv" and various fields like "Row ID", "Order ID", "Order Date", "Ship Date", "Ship Mode", "Customer ID", "Segment", "City", "State", "Country", "Postal Code", "Market", and "Product". The "Expression" pane shows the expression "1 Year[Order Date]". Below the expression, there is a "Validation Results" section with a green checkmark and the text "The expression is valid." At the bottom, there is a checkbox labeled "Calculate after aggregation" and two buttons: "Cancel" and "OK".



Minimum(Sales):



Maximum(Sales):



Average (Sales):

