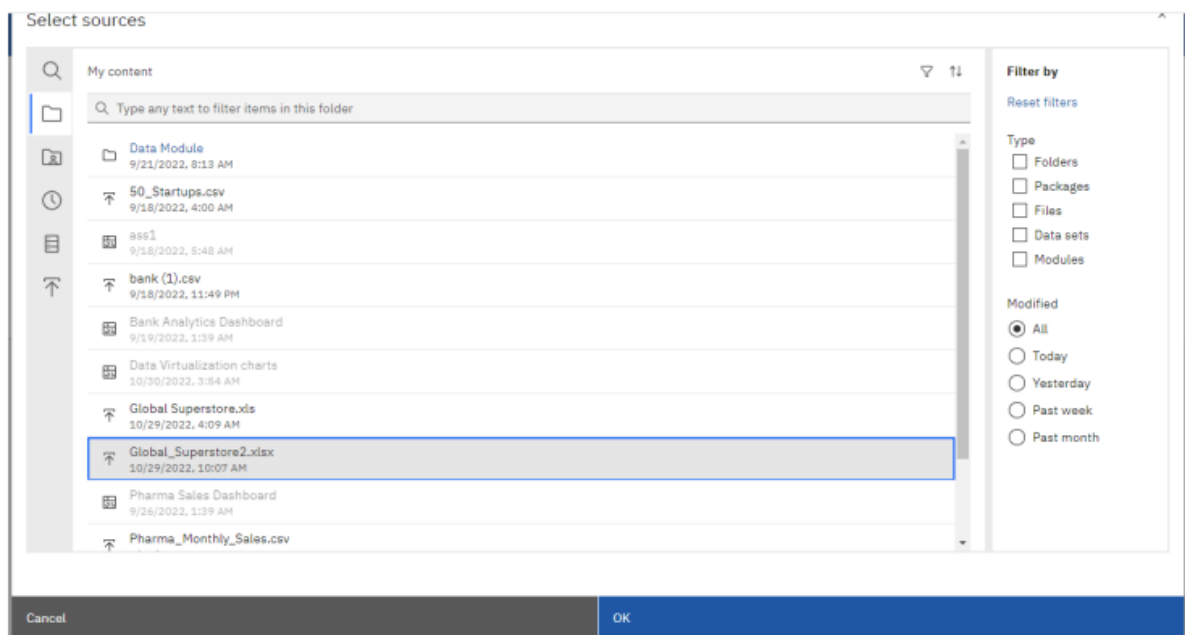
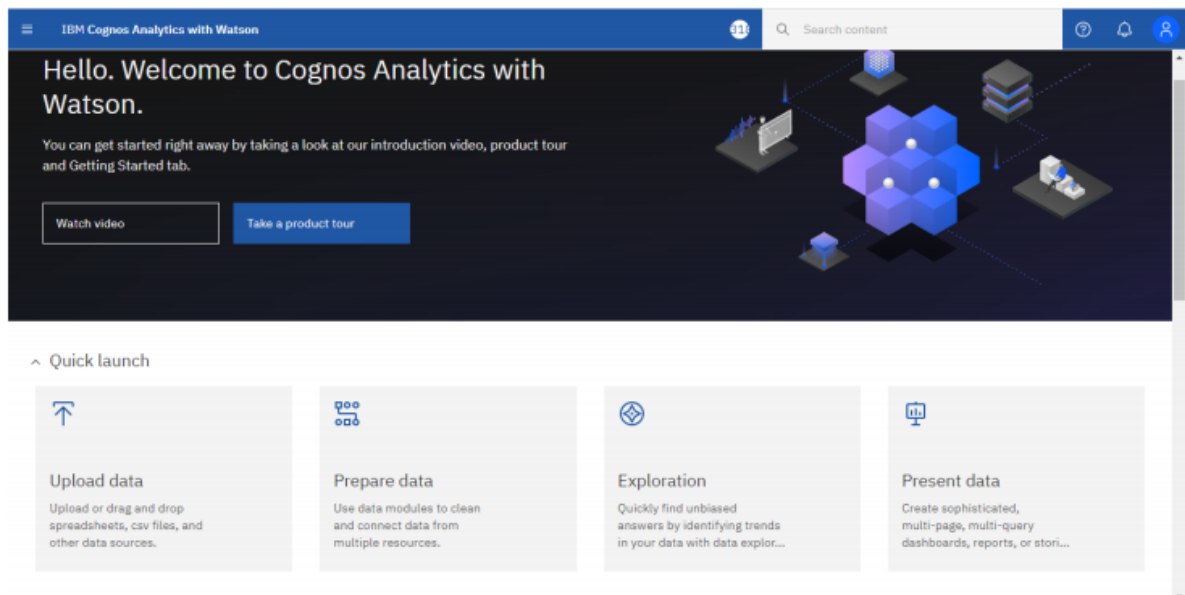


PREPARE THE DATASETS

TEAM ID	PNT2022TMID22222
PROJECT NAME	GLOBAL SALES DATA ANALYTICS

DATA PREPARATION:

First understand and load the data



IBM Cognos Analytics with WatsonSales module

Search content

Properties

Data module

Search

Sales module

Navigation paths

Global_Su...ore2.xlsx

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Grid

Relationships

Custom tables

Preview data

To preview data, select a table, a column in a table, or a folder that contains columns.

IBM Cognos Analytics with WatsonSales module

Search content

Properties

Data module

Search

Sales module

Navigation paths

Global_Su...ore2.xlsx

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

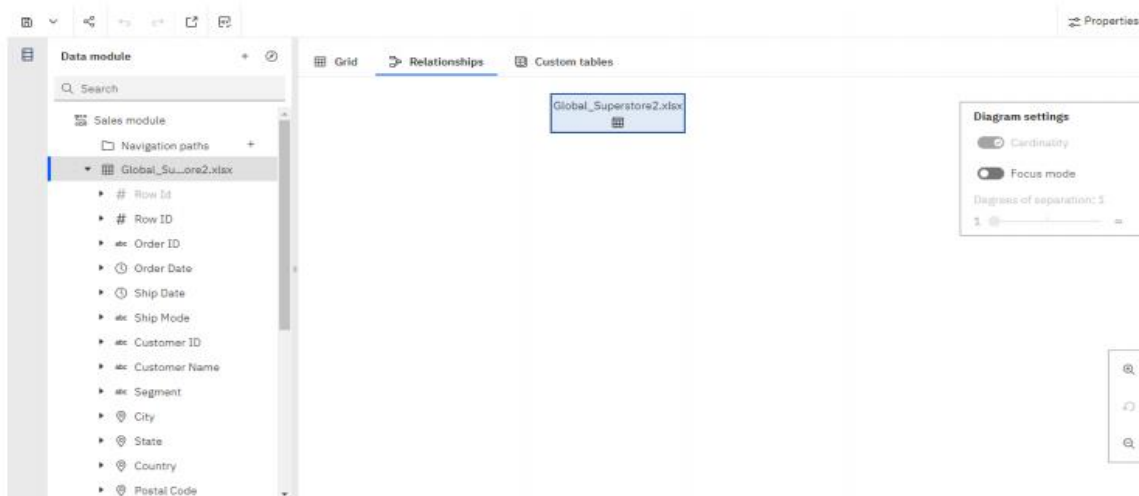
Country

Grid

Relationships

Custom tables

11	Row Id	Row ID	Order ID	Order Date	Ship Date	Ship Mode
	1	32298	CA-2012-124891	31-07-2012	31-07-2012	Same Day
	2	26341	IN-2013-77878	05-02-2013	07-02-2013	Second Class
	3	25330	IN-2013-71249	17-10-2013	18-10-2013	First Class
	4	13524	ES-2013-1579342	28-01-2013	30-01-2013	First Class
	5	47221	SG-2013-4320	05-11-2013	06-11-2013	Same Day
	6	22732	IN-2013-42360	28-06-2013	01-07-2013	Second Class
	7	30570	IN-2011-81826	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



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

Filter...

Create calculation...

Create data group...

Create navigation path...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

Row ID	Order ID	Order Date	Ship Date	Ship Mode
1	3229	31-07-2012	31-07-2012	Same Day
2	2634	05-02-2013	07-02-2013	Second Class
3	2633	17-10-2013	18-10-2013	First Class
4	1352	28-01-2013	30-01-2013	First Class
5	4722	05-11-2013	06-11-2013	Same Day
6	2273	28-06-2013	01-07-2013	Second Class
7	3057	07-11-2011	09-11-2011	First Class
8	31192	14-04-2012	18-04-2012	Standard Class
9	40155	14-10-2014	21-10-2014	Standard Class

IBM Cognos Analytics with Watson | New data module

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

Search content

Properties

Data module

Grid Relationships Custom tables

Search

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

Sub-Category

Filter...

Create data group...

Create navigation path...

Split...

Hide from users

Remove

Format data...

Clean...

Sort descending

Sort ascending

Properties

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	32298	2012-07-31	2012-07-31	Same Day	RH-19495
2	26341	2013-02-07	2013-02-07	Second Class	JR-16210
3	25330	2013-10-18	2013-10-18	First Class	CR-12730
4	13524	2013-01-30	2013-01-30	First Class	KM-16375
5	47221	2013-11-06	2013-11-06	Same Day	RH-9495
6	22732	2013-07-01	2013-07-01	Second Class	JM-15655
7	30570	2011-11-09	2011-11-09	First Class	TS-21340
8	31192	2012-04-14	2012-04-18	Standard Class	MB-18005
9	40155	2014-10-14	2014-10-21	Standard Class	JW-15220
10	40936	2012-01-28	2012-01-31	Second Class	JH-15988

IBM Cognos Analytics with Watson | New data module

Search content

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Grid Relationships Custom tables

Search

Order ID

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

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

Insert

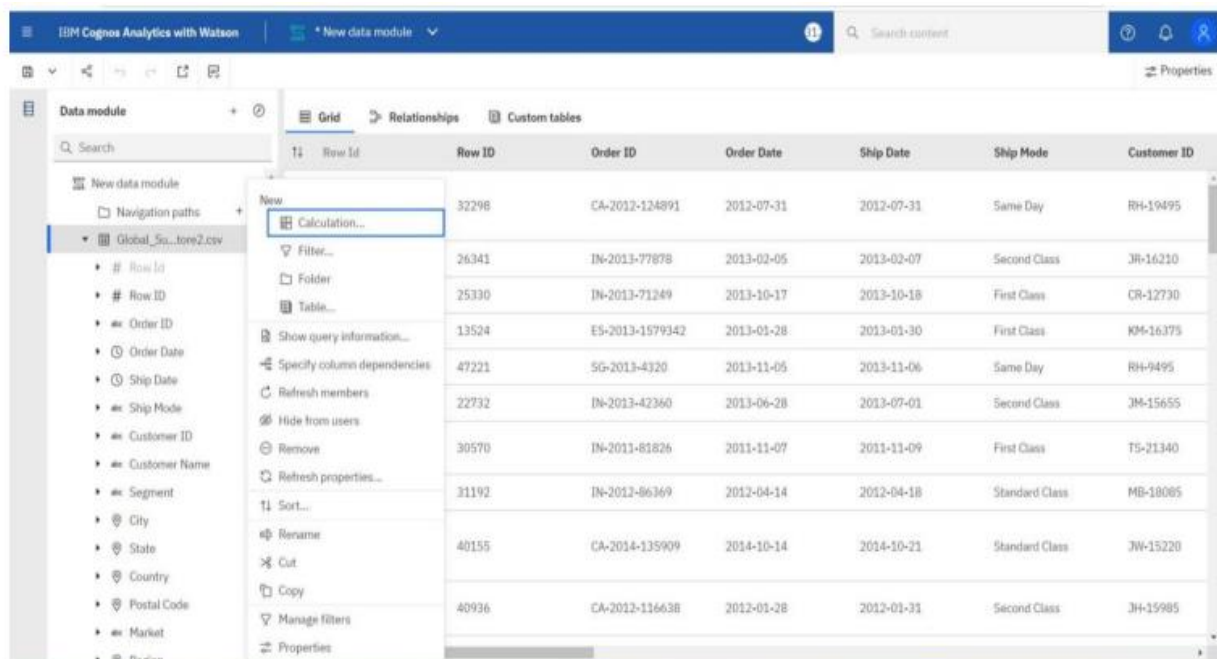
Cancel

OK

Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
10	40936	2012-01-28	2012-01-31	Second Class	JH-15988

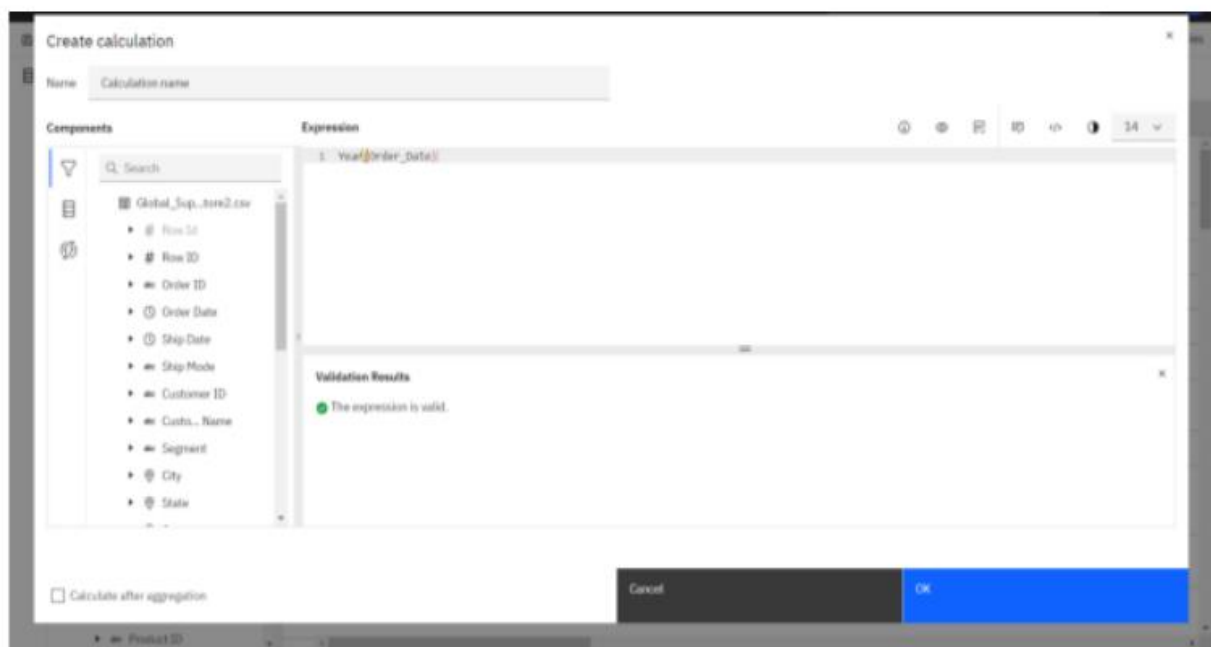
Once cleaned, the data is saved.

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



The screenshot shows the IBM Cognos Analytics with Watson interface. The top bar includes the product name, a 'New data module' dropdown, a search bar, and user profile icons. The left sidebar shows a 'Data module' tree with 'Global_Sales_data2.csv' selected. The main area displays a table 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	JH-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-16379
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
40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class	JW-15220
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 placeholder 'Calculation name'. Below is a 'Components' list on the left containing fields from the 'Global_Sales_data2.csv' dataset: Row ID, Row ID, Order ID, Order Date, Ship Date, Ship Mode, Customer ID, Customer Name, Segment, City, State, and Postal Code. The 'Expression' field on the right contains the formula 'Year([Order Date])'. Below the expression field is a 'Validation Results' section showing a green checkmark and the text 'The expression is valid.' At the bottom, there is a checkbox for 'Calculate after aggregation' and 'Cancel' and 'OK' buttons.

Calculation name

Components

- Global_Sales_data2.csv
 - Row ID
 - Row ID
 - Order ID
 - Order Date
 - Ship Date
 - Ship Mode
 - Customer ID
 - Customer Name
 - Segment
 - City
 - State
 - Postal Code

Expression

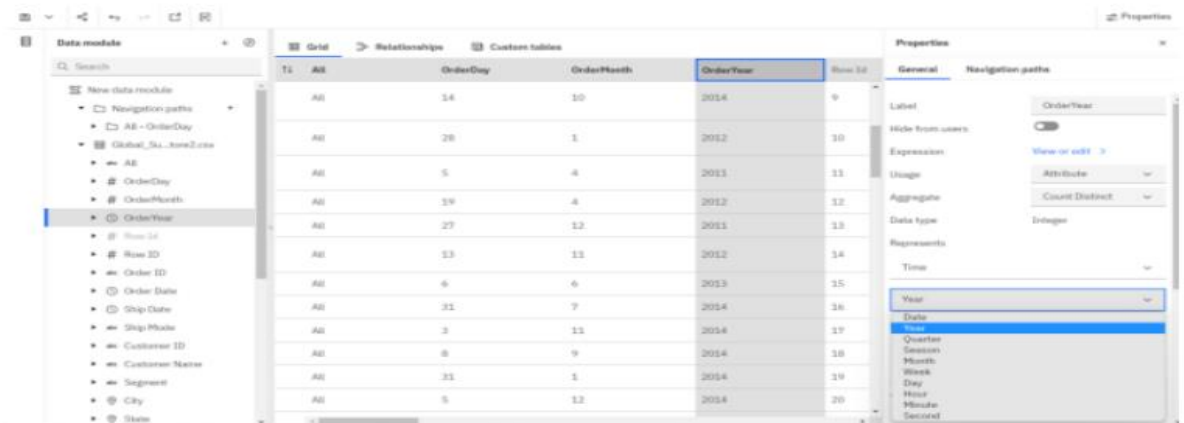
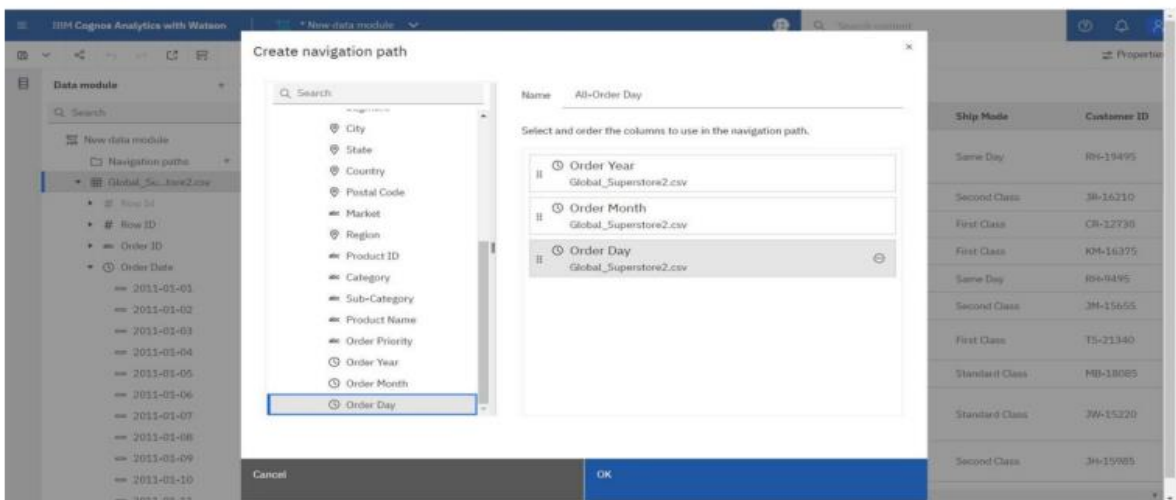
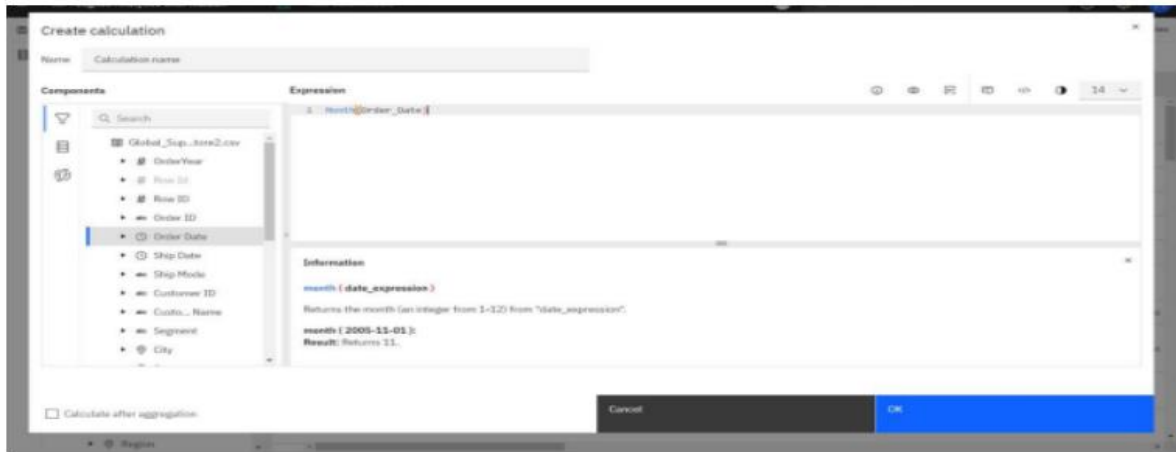
Year([Order Date])

Validation Results

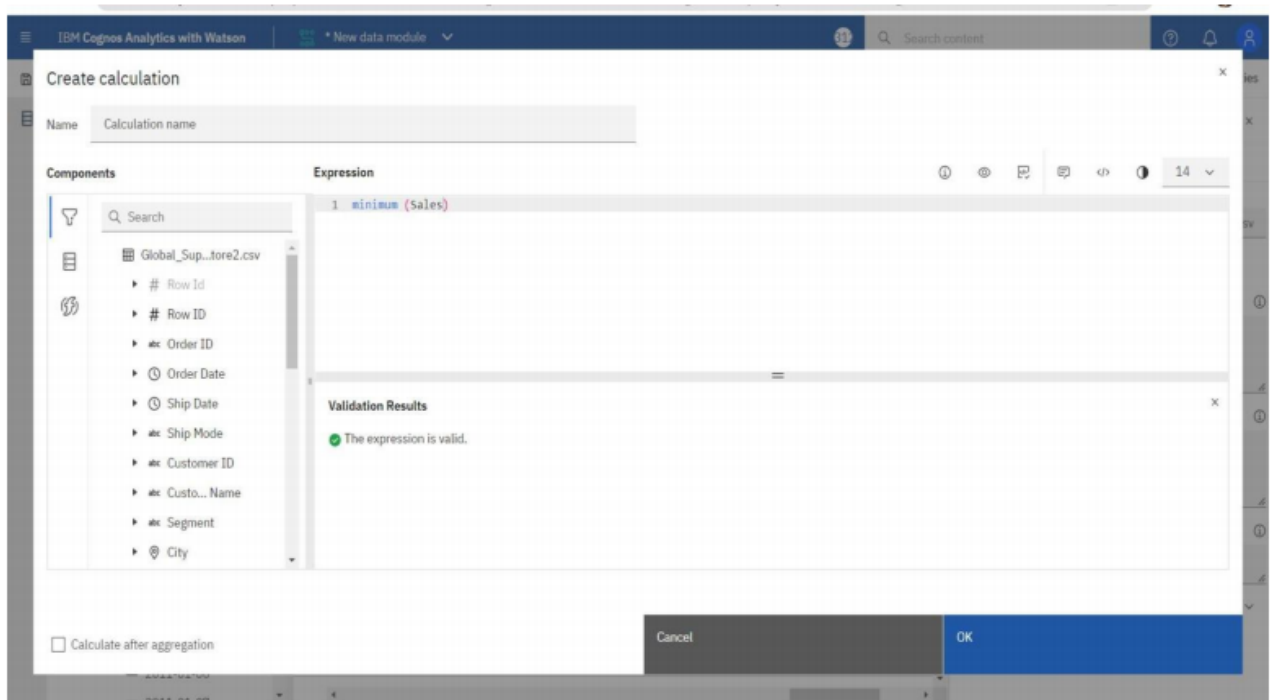
The expression is valid.

☐ Calculate after aggregation

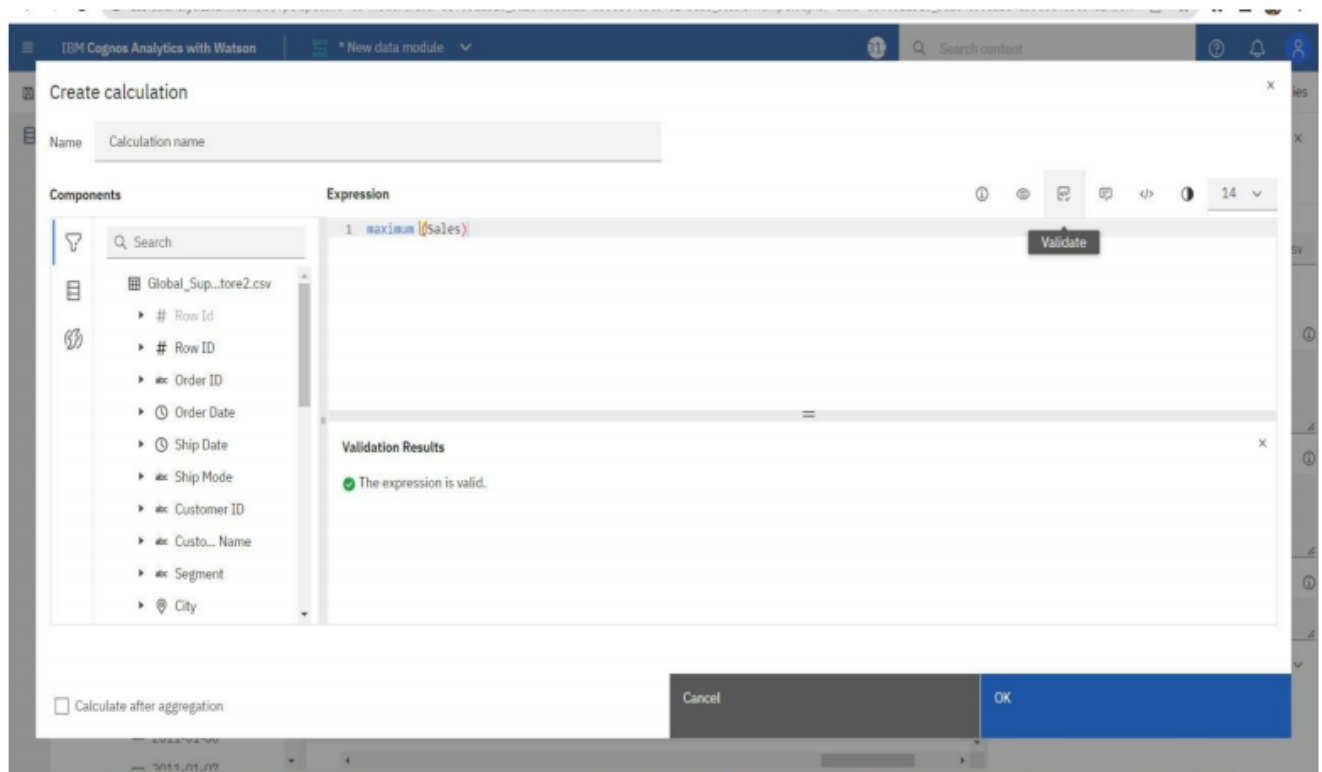
Cancel OK



Minimum(Sales):



Maximum(Sales):



Average (Sales):

