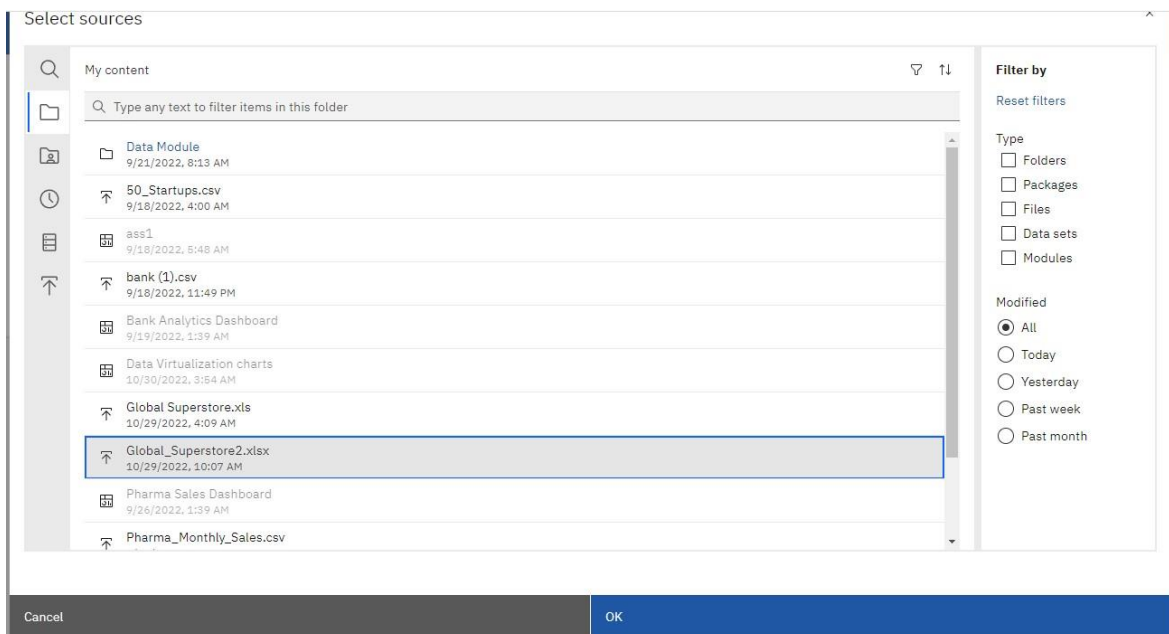
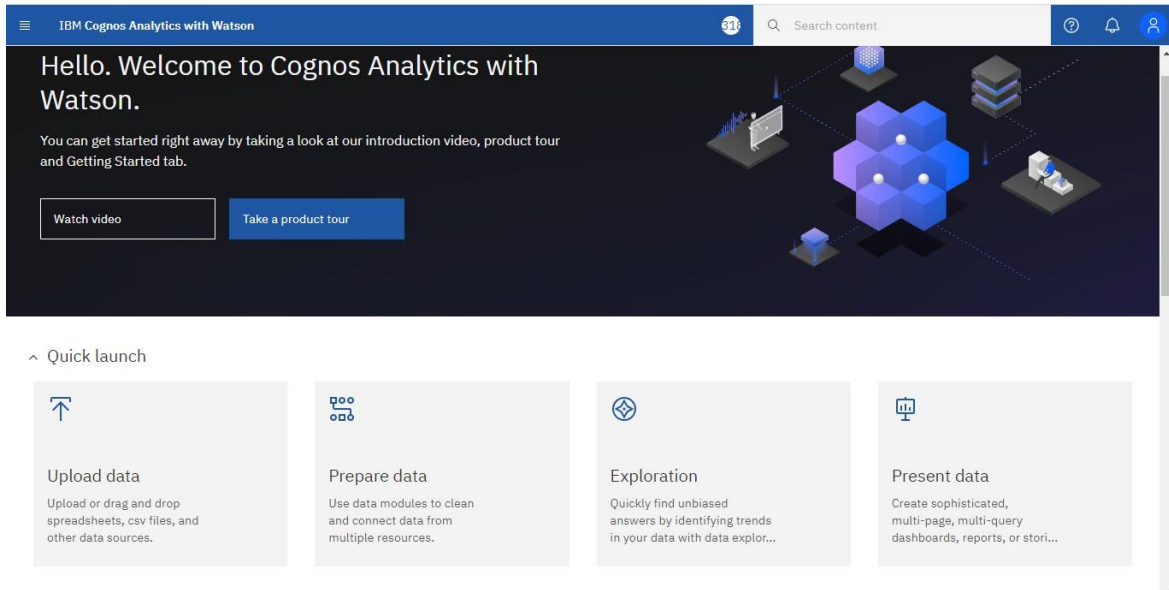


PREPARE THE DATASETS

Team ID	PNT2022TMID48232
Project Name	Global Sales Data Analytics

DATA PREPARATION:

First understand and load the data.



IBM Cognos Analytics with Watson

Sales module

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Search content

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📄

🖨

Properties

Data module

+

🕒

Search

Sales module

Navigation paths

Global_Su...ore2.xlsx

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

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 Watson

Sales module

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Search content

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🖨

Properties

Data module

+

🕒

Search

Sales module

Navigation paths

Global_Su...ore2.xlsx

Row Id

Row ID

abc Order ID

🕒 Order Date

🕒 Ship Date

abc Ship Mode

abc Customer ID

abc Customer Name

abc Segment

📍 City

📍 State

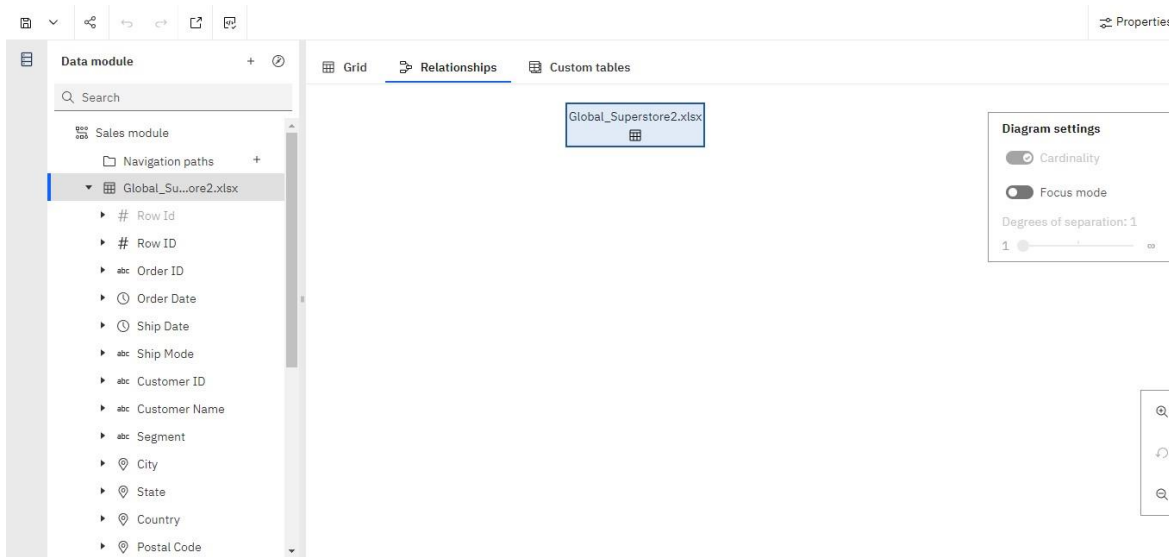
📍 Country

Grid

Relationships

Custom tables

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

Data module

Grid Relationships Custom tables

Filter...

Create calculation...
Create data group...
Create navigation path...
Hide from users
Remove
Format data...
Clean...
Sort descending
Sort ascending
Properties

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

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

Data module

Grid Relationships Custom tables

Filter...

Create data group...
Create navigation path...
Split...
Hide from users
Remove
Format data...
Clean...
Sort descending
Sort ascending
Properties

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-2013-02-07	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

IBM Cognos Analytics with Watson | New data module

Search content

Data module

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

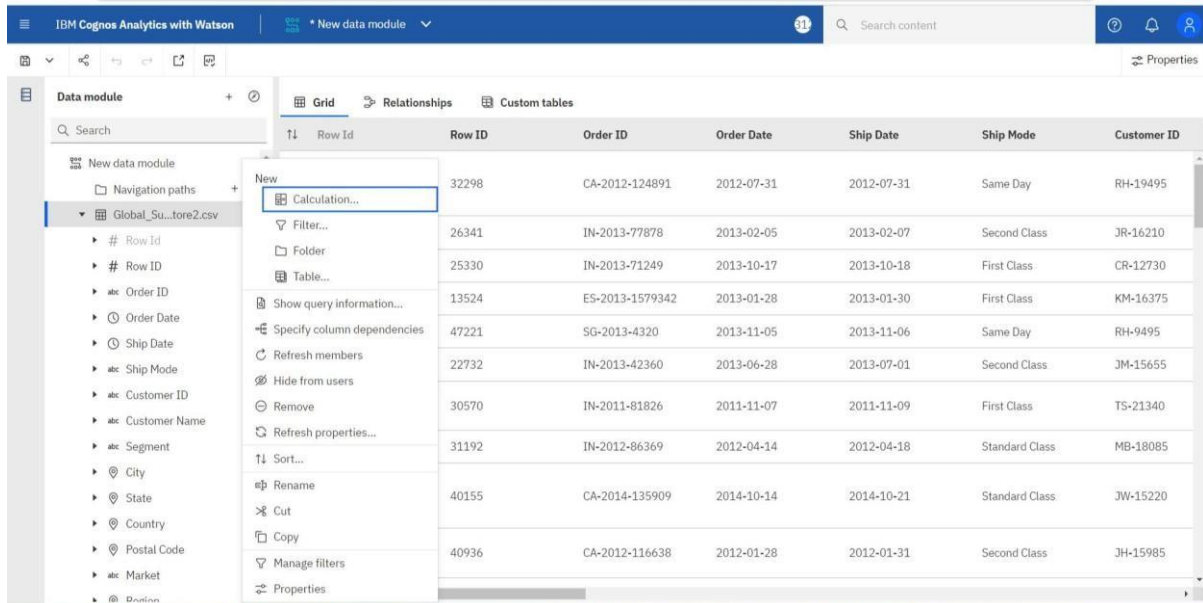
Invert

Cancel OK

Ship Mode	Customer ID
Same Day	RH-19495
Second Class	JR-16210
First Class	CR-12730
First Class	KM-16375
Same Day	RH-9495
Second Class	JM-15655
First Class	TS-21340
Standard Class	MB-18085
Standard Class	JW-15220
Second Class	JH-15985

Once cleaned, the data is saved.

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



IBM Cognos Analytics with Watson | * New data module

Search content

Properties

Data module

Grid Relationships Custom tables

Row Id

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
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

New data module

Navigation paths

Global_Sup...store2.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

New

Calculation...

Filter...

Folder

Table...

Show query information...

Specify column dependencies

Refresh members

Hide from users

Remove

Refresh properties...

Sort...

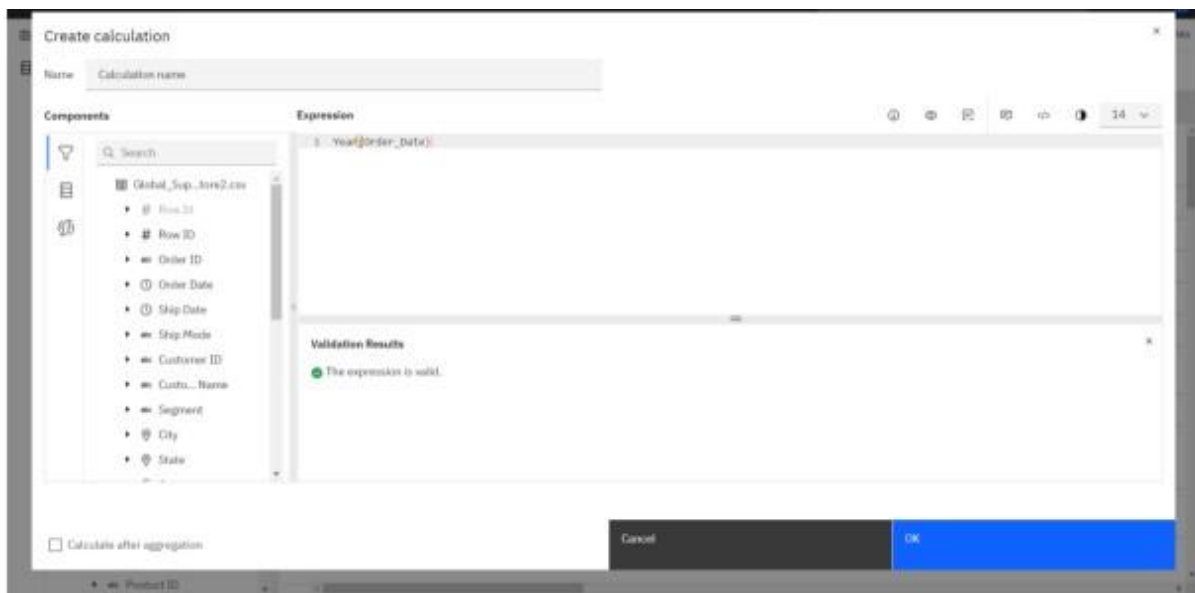
Rename

Cut

Copy

Manage filters

Properties



Create calculation

Name: Calculation name

Components

Global_Sup...store2.csv

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Expression

Year([Order Date])

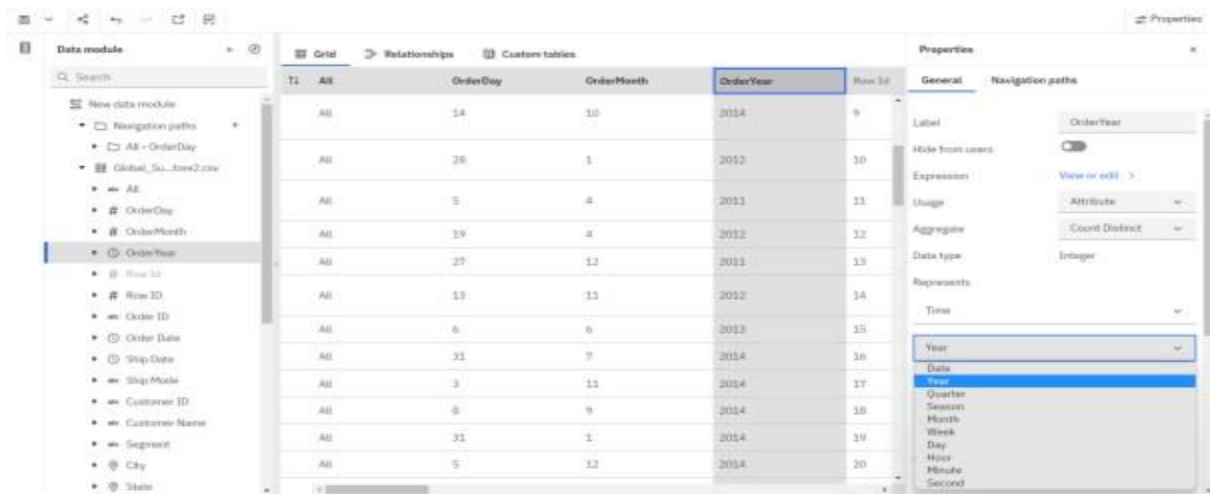
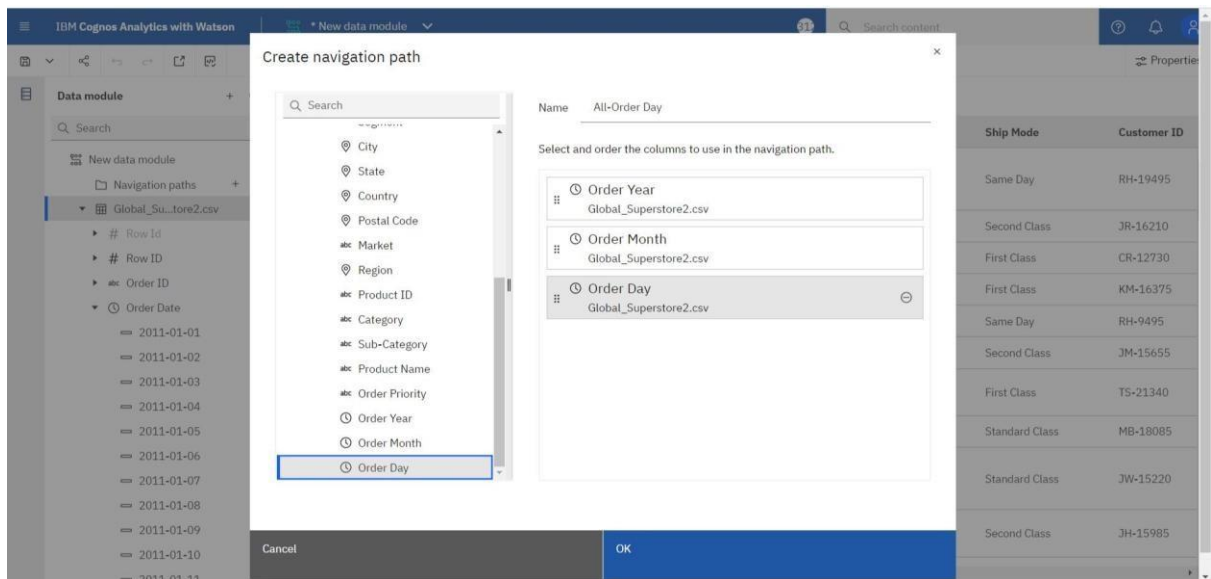
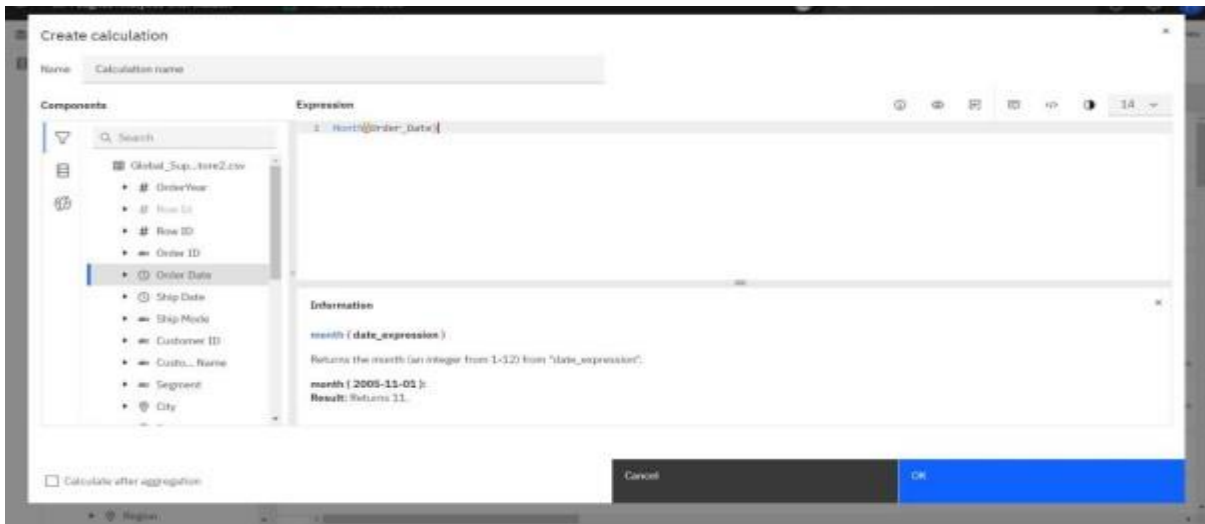
Validation Results

The expression is valid.

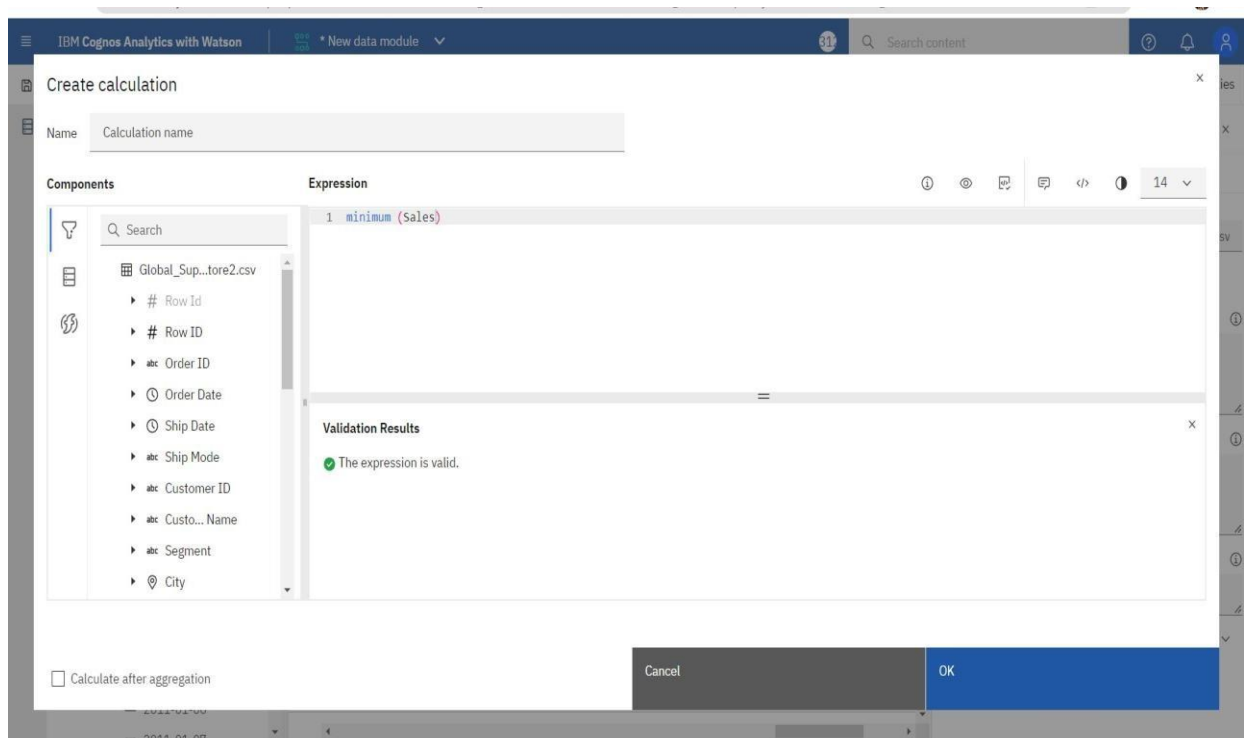
Calculate after aggregation

Cancel

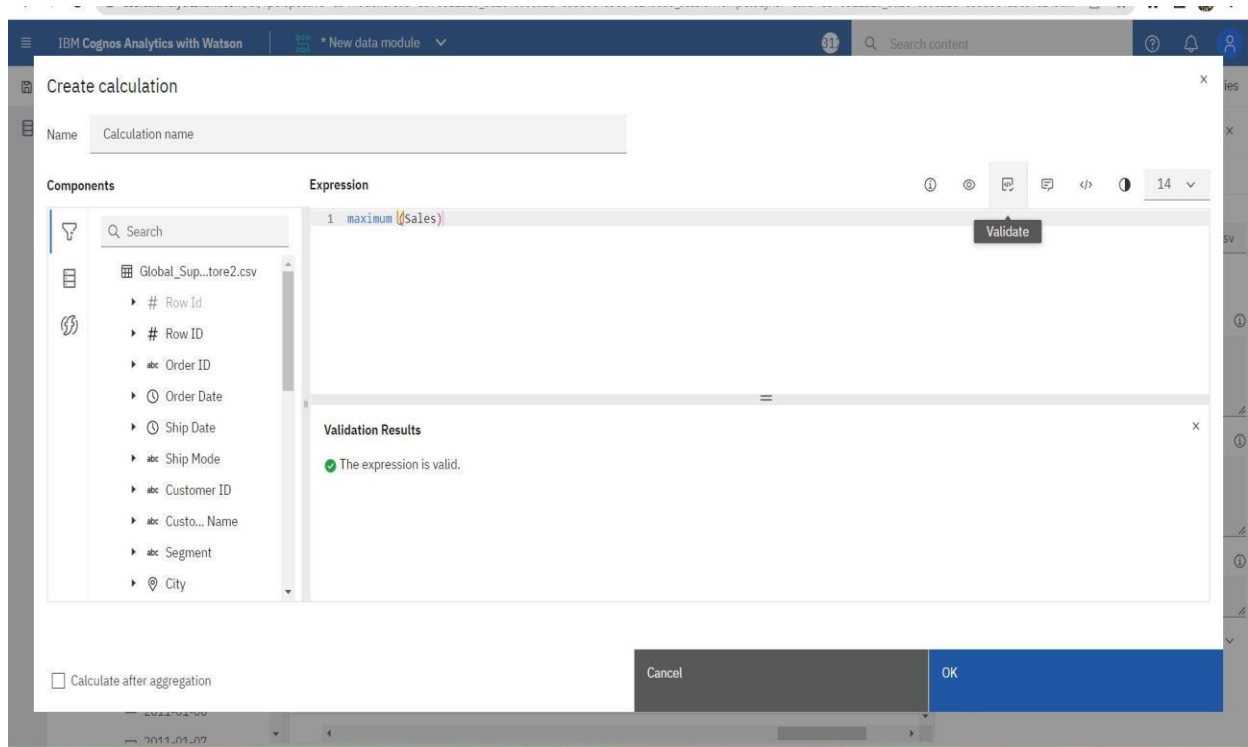
OK



Minimum(Sales):



Maximum(Sales):



Average (Sales):

The screenshot shows the 'Create calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'Calculation name'. The 'Components' list on the left includes 'Global_Sup...tore2.csv' and various fields like 'Row Id', 'Order ID', 'Order Date', 'Ship Date', 'Ship Mode', 'Customer ID', 'Custo... Name', 'Segment', and 'City'. The 'Expression' field contains the formula '1 average (Sales)'. A 'Validate' button is present next to the expression. Below the expression field, a 'Validation Results' box displays a green checkmark and the text 'The expression is valid.'. At the bottom, there is a checkbox for 'Calculate after aggregation' (which is unchecked) and two buttons: 'Cancel' and 'OK'.

IBM Cognos Analytics with Watson

New data module

Search content

Create calculation

Name: Calculation name

Components

- Global_Sup...tore2.csv
 - # Row Id
 - # Row ID
 - abc Order ID
 - Order Date
 - Ship Date
 - abc Ship Mode
 - abc Customer ID
 - abc Custo... Name
 - abc Segment
 - City

Expression

1 average (Sales)

Validate

Validation Results

✓ The expression is valid.

☐ Calculate after aggregation

Cancel OK