

CREATING DATA MODULE

Team ID	PNT2022TMID34242
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 stori...

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

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Sales module

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Search content

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.

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

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Navigation paths

Global_Su...ore2.xlsx

Row ID

Row ID

abc Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Grid Relationships Custom tables

Global_Superstore2.xlsx

Diagram settings

Cardinality

Focus mode

Degrees of separation: 1

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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

Grid Relationships Custom tables

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

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New data module

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More info

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Data module

Search

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Region

Product ID

Category

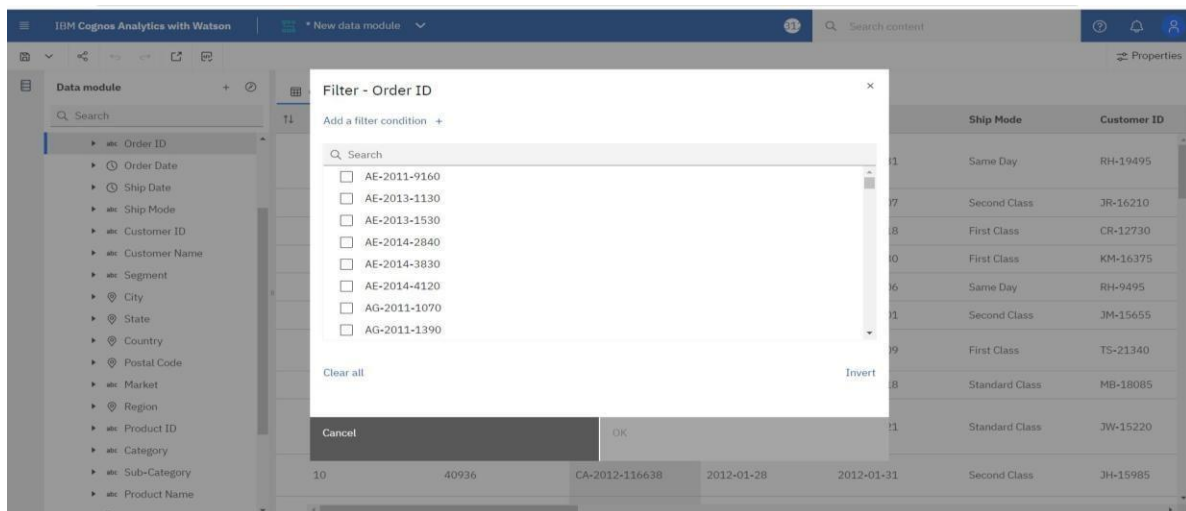
Sub-Category

Grid

Relationships

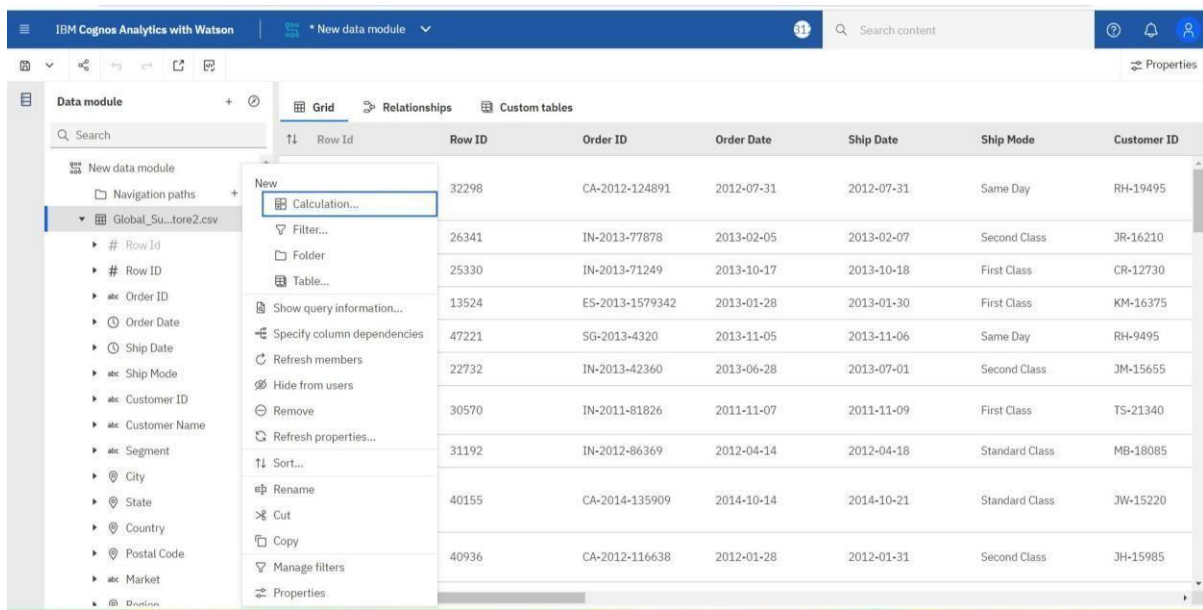
Custom tables

Row ID	Row ID	Order ID	Ship Date	Ship Mode	Customer ID	
1	32298	CA-2012-1166428	2012-07-31	Same Day	RH-19495	
2	26341	IN-2013-02-07	2013-02-07	Second Class	JR-16210	
3	25330	IN-2013-10-18	2013-10-18	First Class	CR-12730	
4	13524	ES-2013-01-30	2013-01-30	First Class	KM-16375	
5	47221	SG-2013-11-06	2013-11-06	Same Day	RH-9495	
6	22732	IN-2013-07-01	2013-07-01	Second Class	JM-15655	
7	30570	IN-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	40236	CA-2012-1166428	2012-01-28	2012-01-21	Standard Class	TH-15085



Once cleaned, the data is saved.

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



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New data module

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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_Su...tore2.csv

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Country

Postal Code

Market

Domain

New

Calculation...

Filter...

Folder

Table...

Show query information...

Specify column dependencies

Refresh members

Hide from users

Remove

Refresh properties...

Sort...

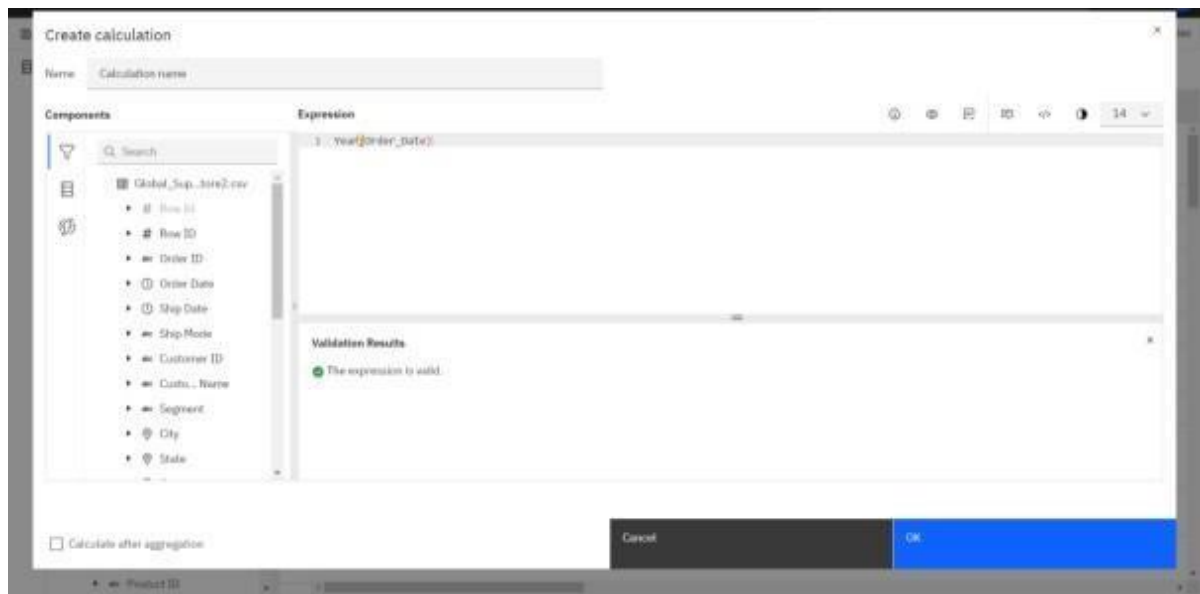
Rename

Cut

Copy

Manage filters

Properties



Create calculation

Name: Calculation name

Components

Global_Su...tore2.csv

Row Id

Row ID

Order ID

Order Date

Ship Date

Ship Mode

Customer ID

Customer Name

Segment

City

State

Expression

year([order_date])

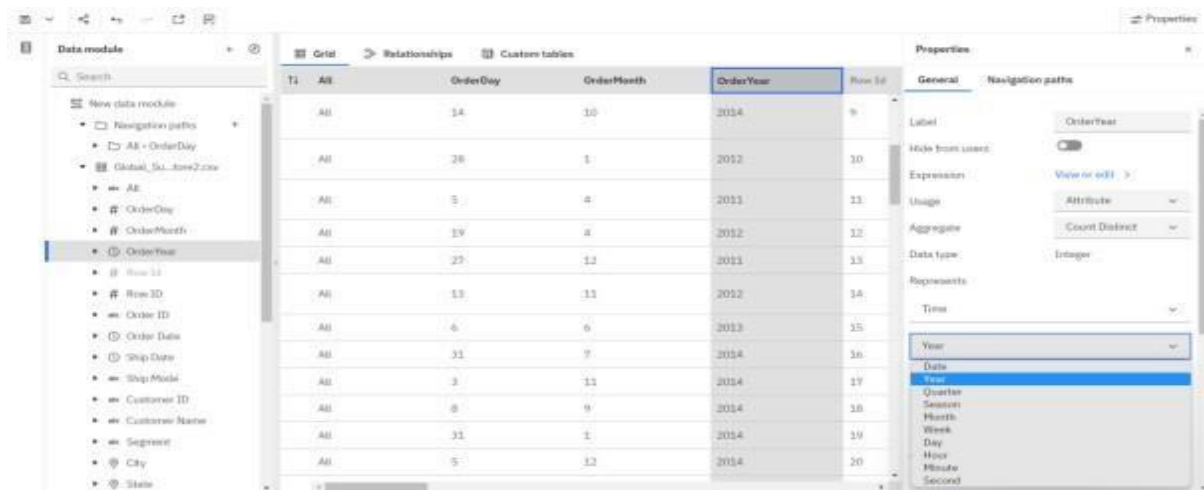
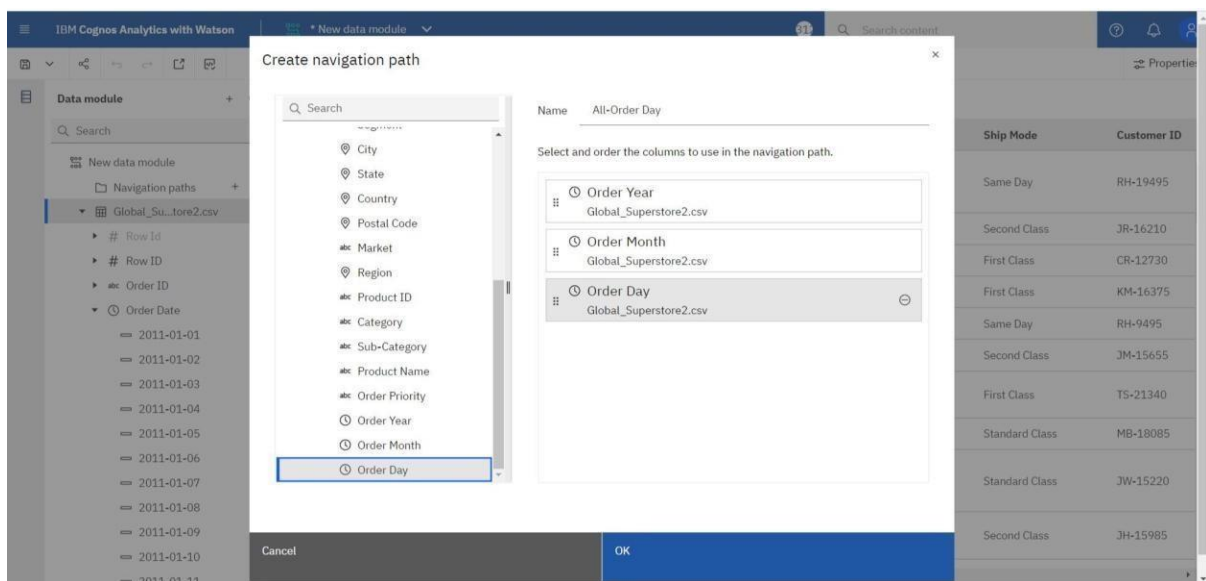
Validation Results

The expression is valid.

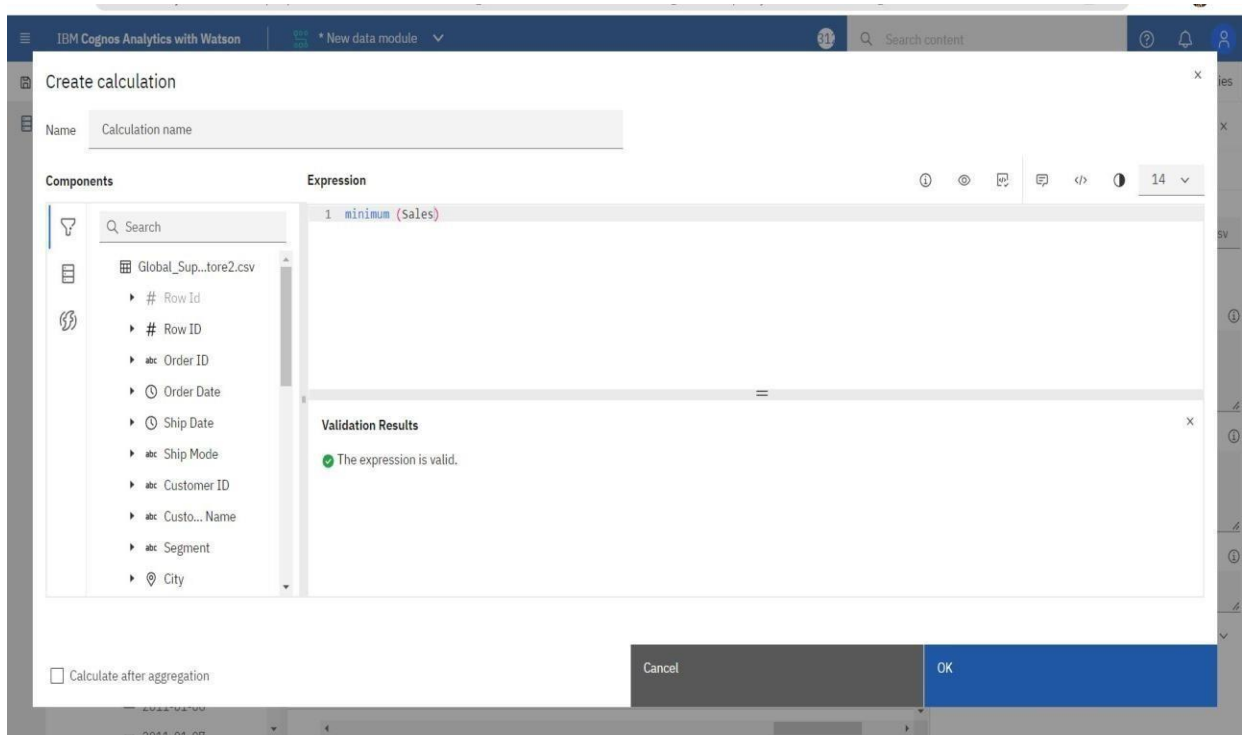
Calculate after aggregation

Cancel

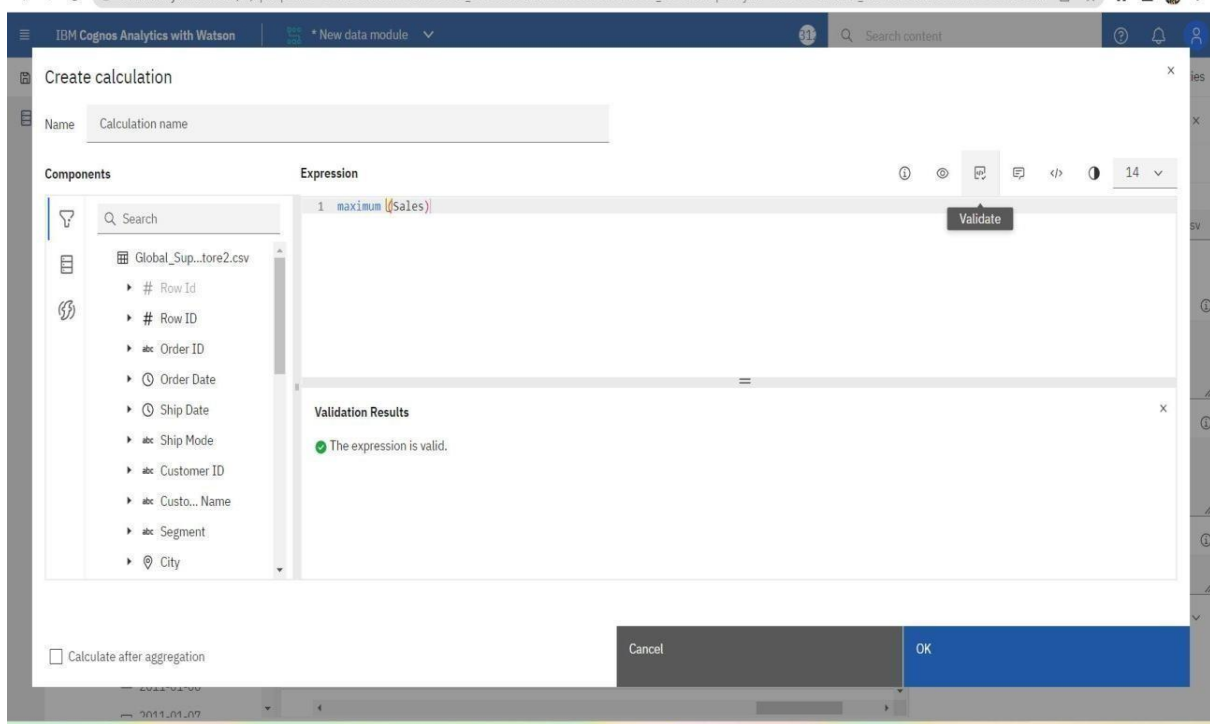
OK



Minimum(Sales):



Maximum(Sales):



Average (Sales):

