

PREPARING THE DATASETS

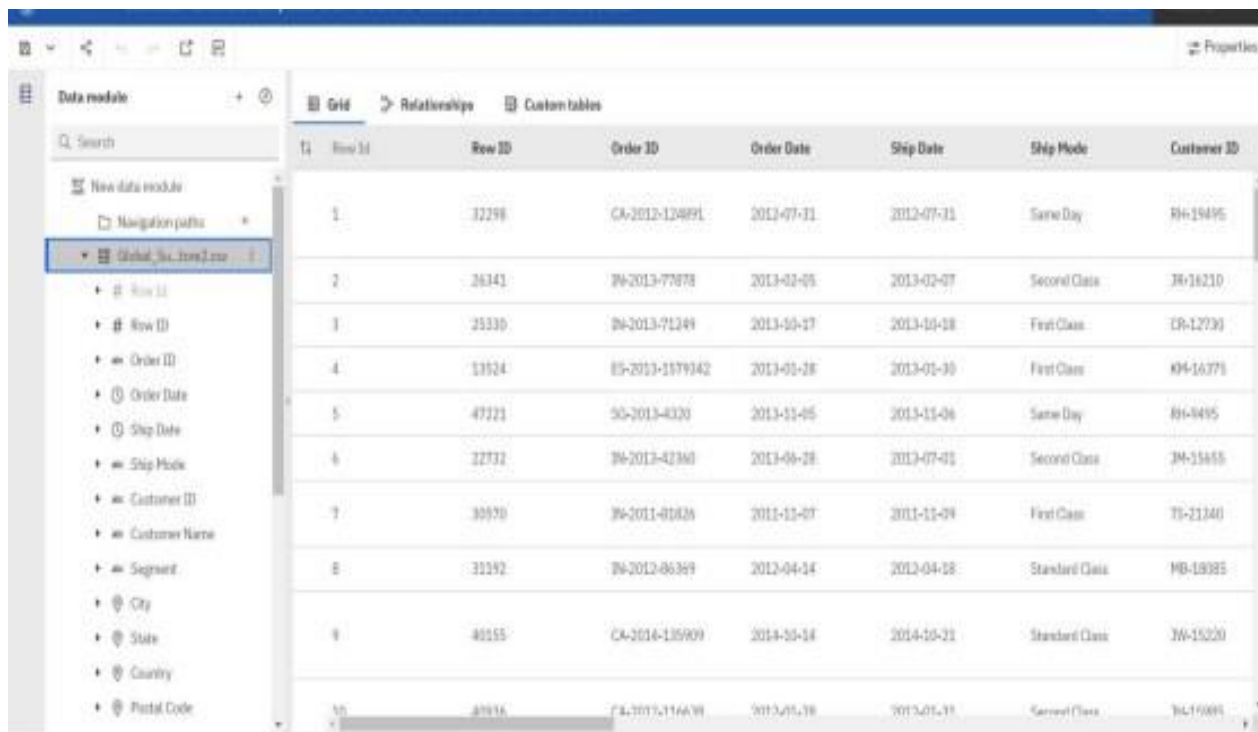
Team ID	PNT2022TMID15445
Project Name	Project – Global Sales Data Analytics

Data Preparation

The screenshot displays the IBM Cognos Analytics with Watson dashboard. The top navigation bar includes the IBM logo, the text 'IBM Cognos Analytics with Watson', a search bar labeled 'Search content', and user profile icons. Below the navigation bar, there are four main action cards: 'Upload data', 'Prepare data', 'Exploration', and 'Present data'. The 'Recent' tab is selected, showing a table of recently uploaded files. The table has columns for Name, Location, Type, and Last Accessed. Two files are listed: 'Global_Superstore2.csv' and '50_Startups.csv', both of type 'Uploaded file' and located in 'My content'. A clipboard notification is visible in the bottom right corner.

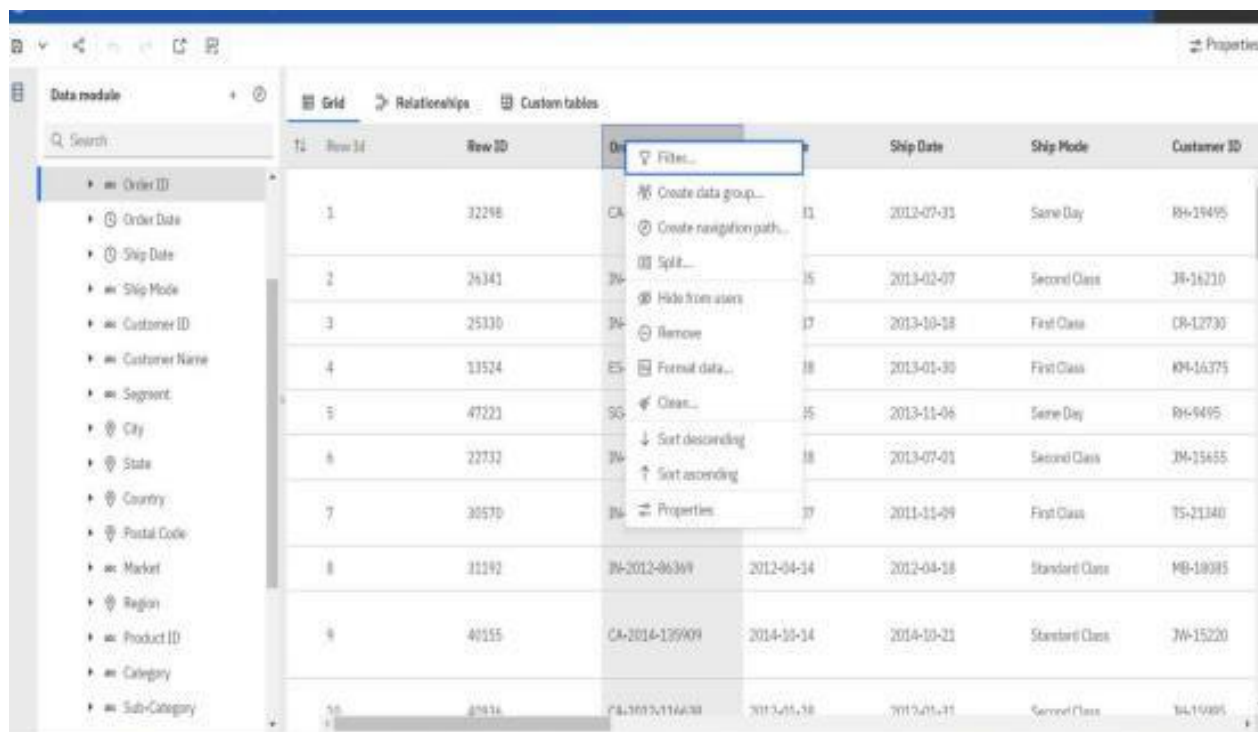
Name	Location	Type	Last Accessed
Global_Superstore2.csv	My content	Uploaded file	11/7/2022, 7:41 AM
50_Startups.csv	My content	Uploaded file	9/15/2022, 10:27 AM

DataSet

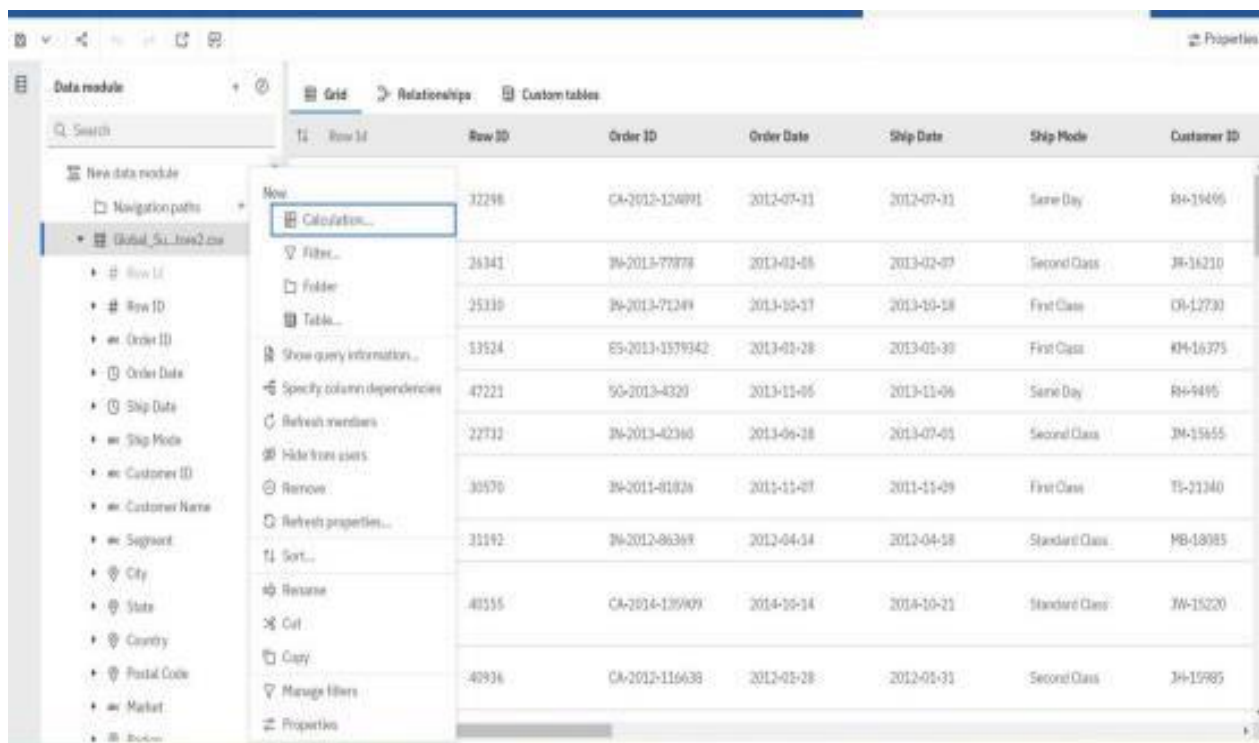
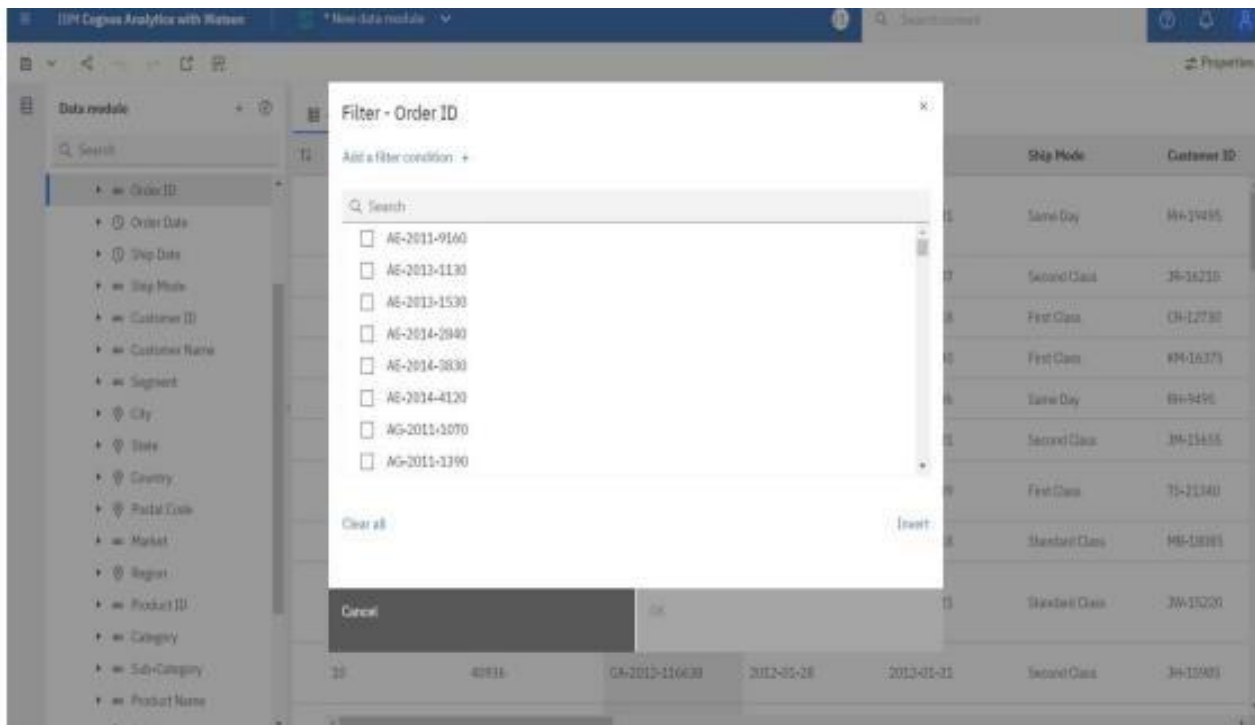


Row ID	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID
1	32298	CA-2012-124891	2012-07-11	2012-07-11	Same Day	RM-19495
2	26341	RM-2013-77878	2013-02-05	2013-02-07	Second Class	JR-16210
3	25330	RM-2013-71244	2013-10-17	2013-10-18	First Class	CR-12730
4	13524	ES-2013-1579342	2013-01-28	2013-01-30	First Class	KM-16375
5	47221	SG-2013-4330	2013-11-06	2013-11-06	Same Day	RM-9495
6	22732	RM-2013-42360	2013-06-28	2013-07-01	Second Class	JM-15655
7	30570	RM-2011-01026	2011-11-07	2011-11-09	First Class	TS-21340
8	31292	RM-2012-86369	2012-04-14	2012-04-18	Standard Class	MB-18985
9	40155	CA-2014-135909	2014-10-14	2014-10-21	Standard Class	JW-15220
10	27916	CA-2013-116678	2013-01-18	2013-01-19	Second Class	SL-15085

We check to see whether there are any null values before we prepare the data.

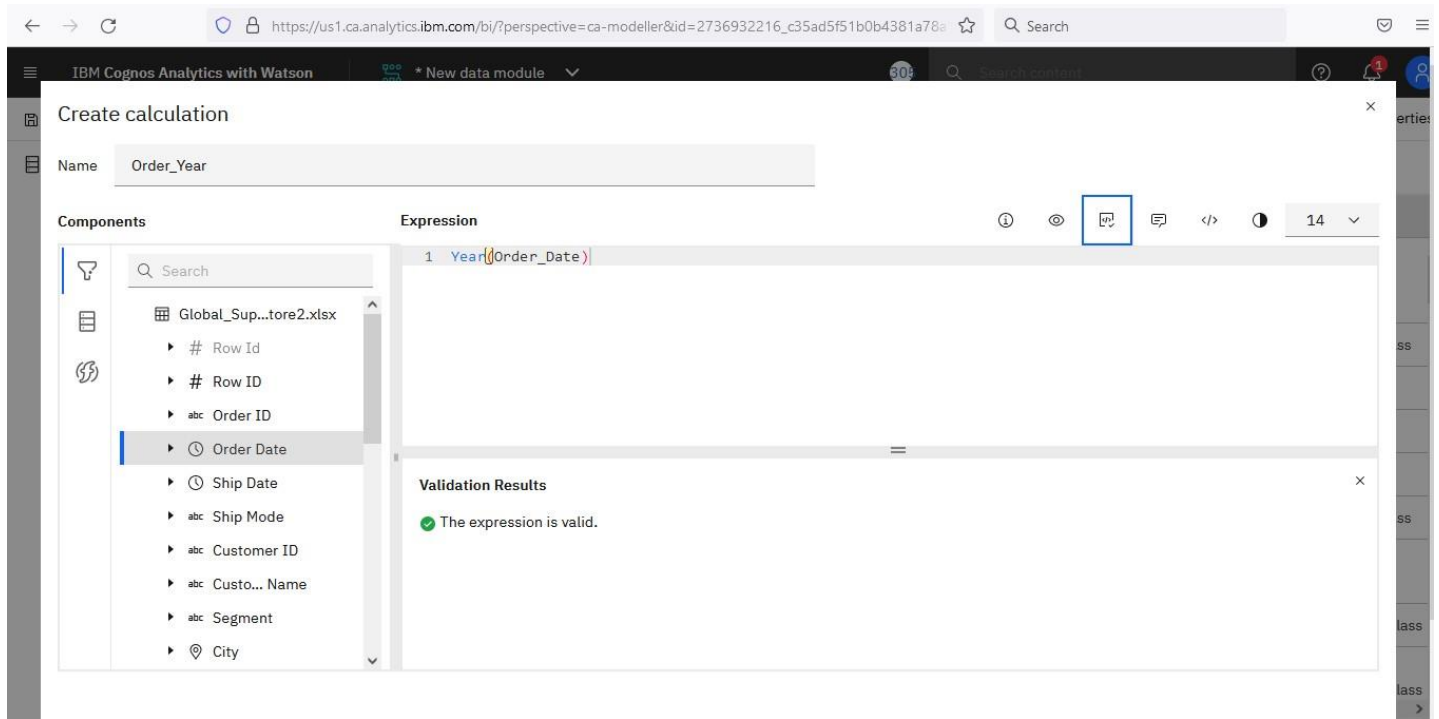


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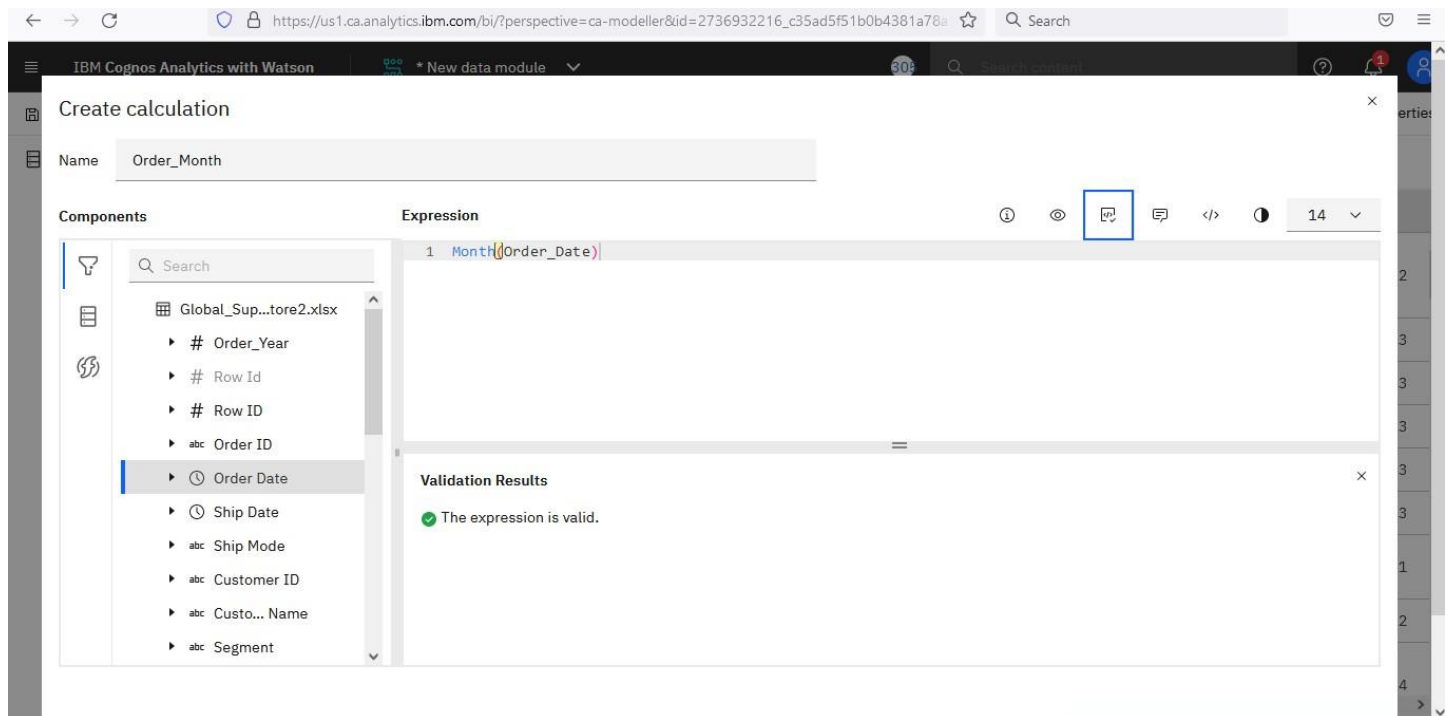


Calculations of Year, Month, Day fields and also the related Navigation path :

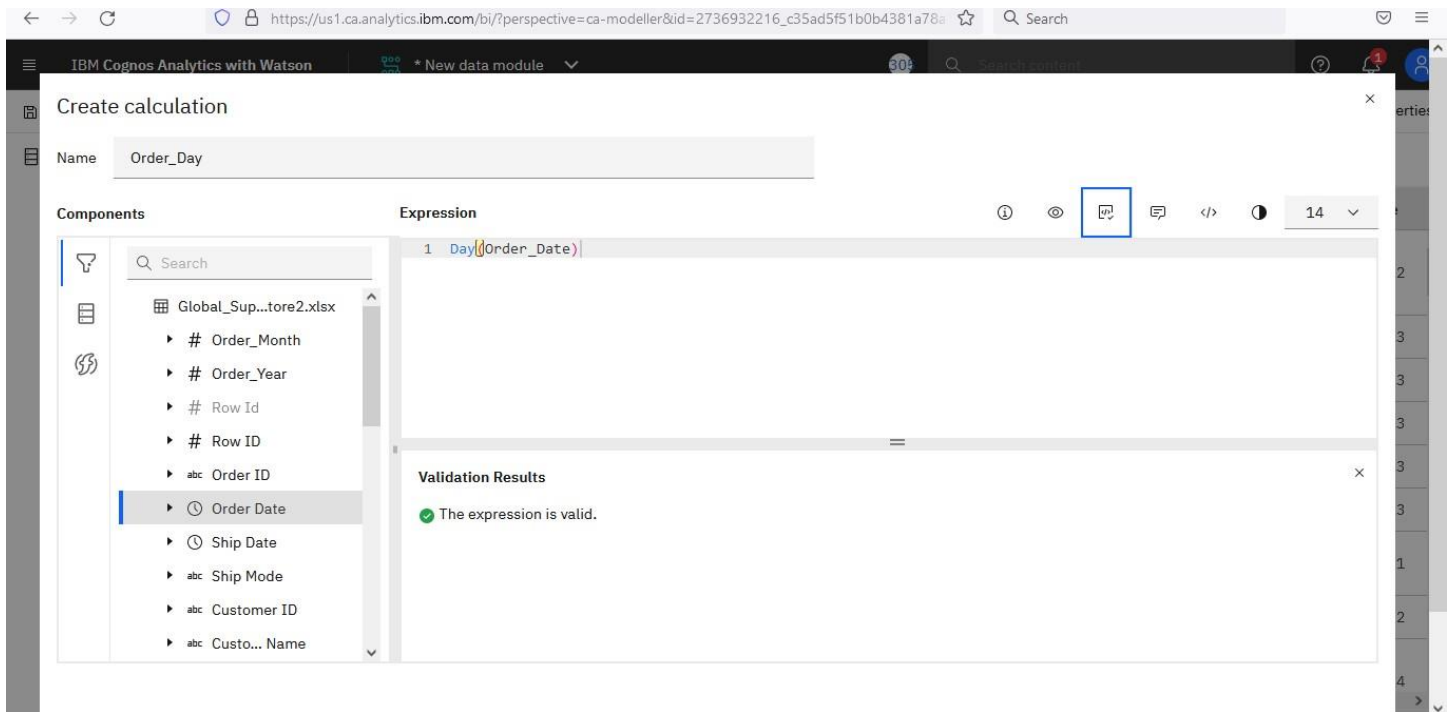
Right click -> calculation -> type expression -> validate -> Set Name as 'Order_Year'



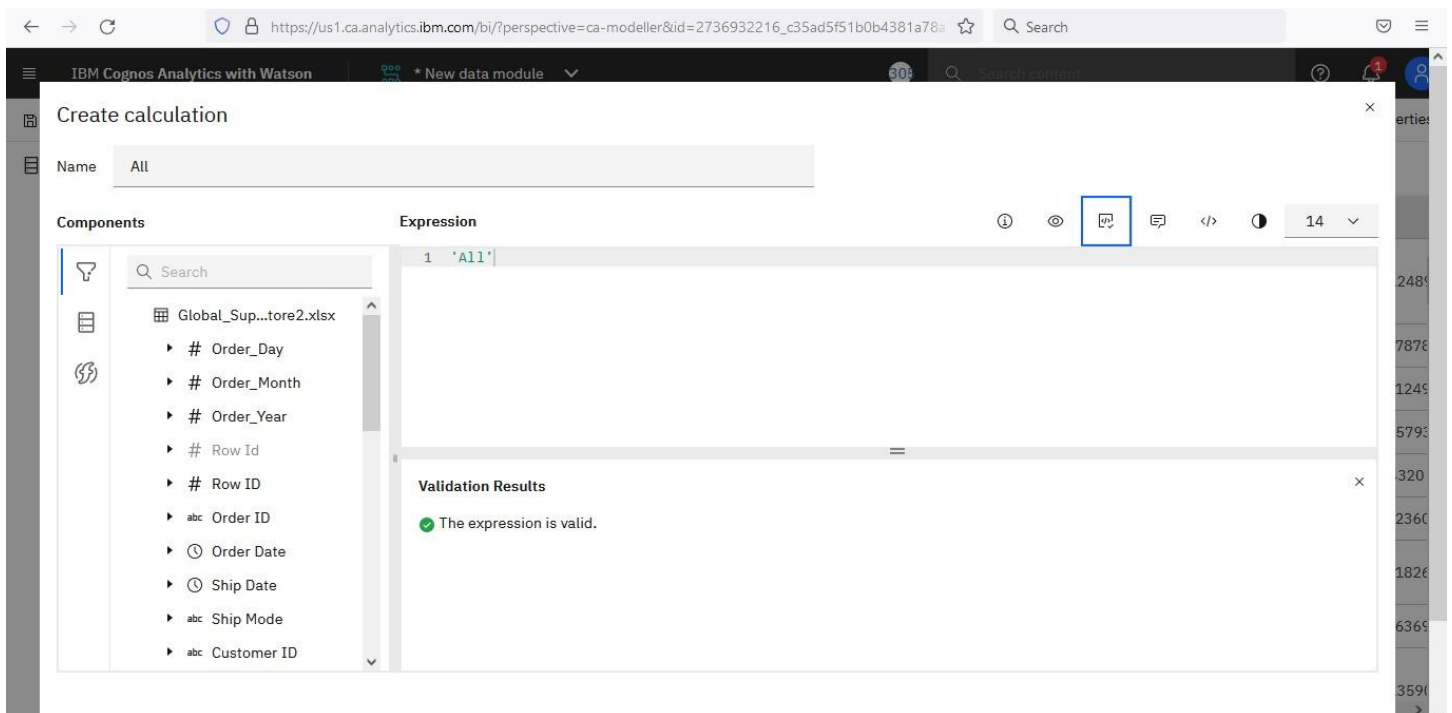
Right click -> calculation -> type expression -> validate -> Set Name as
'Order_Month'



Right click -> calculation -> type expression -> validate -> Set Name as
'Order_Day'



Right click -> calculation -> type expression -> validate -> Set Name as
'All'



Properties -> Usage-> Attribute

Aggregate -> Count Distinct

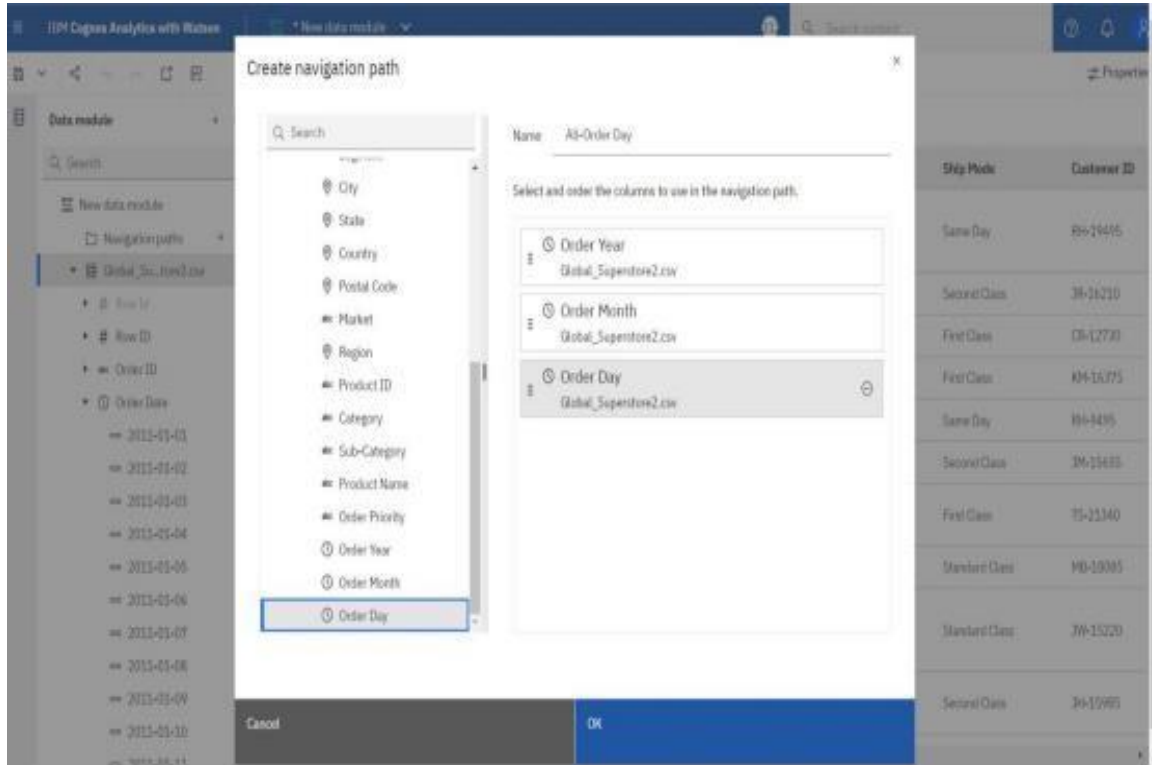
Data Type -> Integer

Represents -> Time, (Year, Month, Day Respectively)

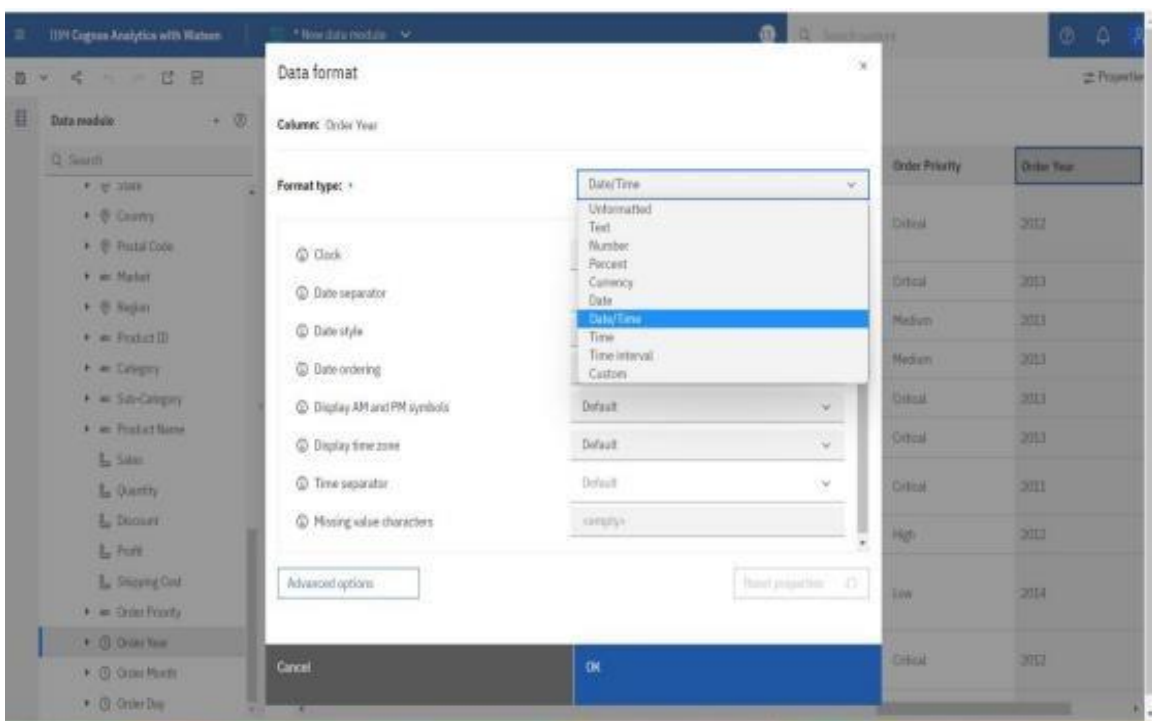
Display Options -> Show Members

This way it becomes a Numerical data Type

Right click on create navigation path



Data format> Date/Time



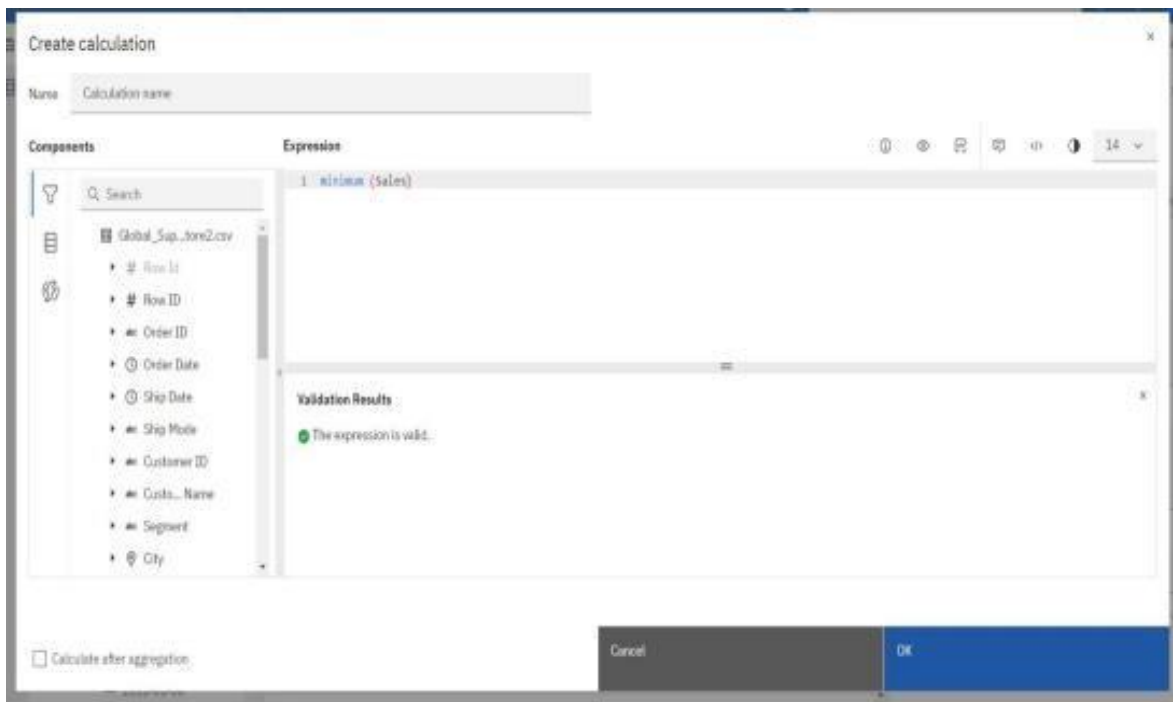
Calculations for Target sales, Min sales, Max Sales and Middle range sales

Min sales -> minimum (Sales)

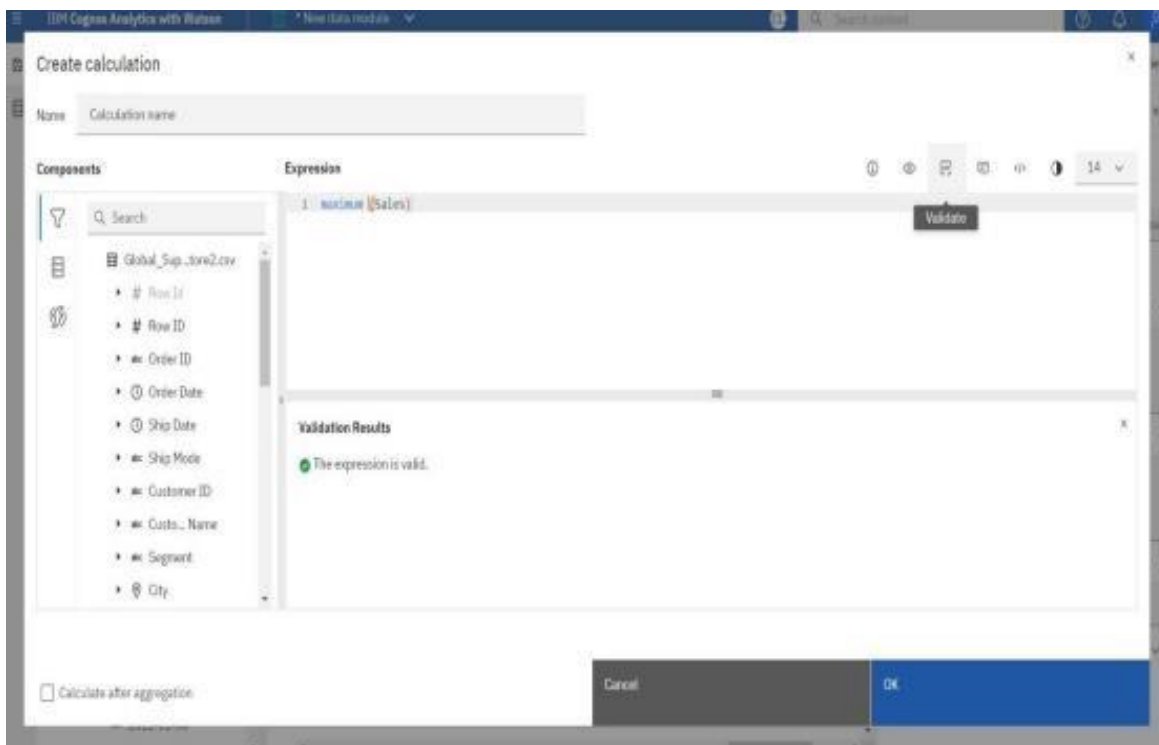
Max sales, Target sales -> maximum (Sales)

Middle range sales -> average (Sales)

Minimum sales :



Maximum Sales :



Middle Range sales :

