

PREPARE THE DATASET

Team ID	PNT2022TMID04990
Project Name	Global Sales Data Analytics

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

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

The screenshot displays the IBM Cognos Analytics interface. The top section shows the 'Create calculation' dialog box. The 'Name' field is set to 'Calculation name'. The 'Expression' field contains the formula `1 year(Order_Date)`. The 'Components' panel on the left lists various fields, including 'Order Date', 'Ship Date', and 'Ship Mode'. A 'Validation Results' message indicates that the expression is valid. The bottom of the dialog has 'Cancel' and 'OK' buttons.

The bottom section shows the 'Data module' grid. The grid has columns for 'year_order', 'Row Id', 'Row ID', 'Order ID', 'Order Date', and 'Ship'. The 'year_order' column is highlighted, and the grid displays data for years 2012, 2013, and 2014. The 'Row Id' column is also highlighted, and the grid displays row numbers 1 through 9.

year_order	Row Id	Row ID	Order ID	Order Date	Ship
2012	1	32298	CA-2012-124891	2012-07-31	20
2013	2	26341	IN-2013-77878	2013-02-05	20
2013	3	25330	IN-2013-71249	2013-10-17	20
2013	4	13524	ES-2013-1579342	2013-01-28	20
2013	5	47221	SG-2013-4320	2013-11-05	20
2013	6	22732	IN-2013-42360	2013-06-28	20
2011	7	30570	IN-2011-81826	2011-11-07	20
2012	8	31192	IN-2012-86369	2012-04-14	20
2014	9	40155	CA-2014-135909	2014-10-14	20

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i76C54A4115434DCC9EC55618D30FC258&objRef=i76C54A4115434DCC9EC55618D30FC...

Create calculation

Name:

Components

- abc Market
- abc Region
- abc Product ID
- abc Category
- abc Sub-Category
- abc Product Name
- Sales
- Quantity
- Discount
- Profit
- Shipping Cost

Expression

```
1 month(Order_Date)
```

Validation Results

✓ The expression is valid.

☐ Calculate after aggregation

Cancel OK

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i76C54A4115434DCC9EC55618D30FC258&objRef=i76C54A4115434DCC9EC55618D30FC...

IBM Cognos Analytics with Watson

* Global_Superstore2_dataprep

Search content

Properties

Data module

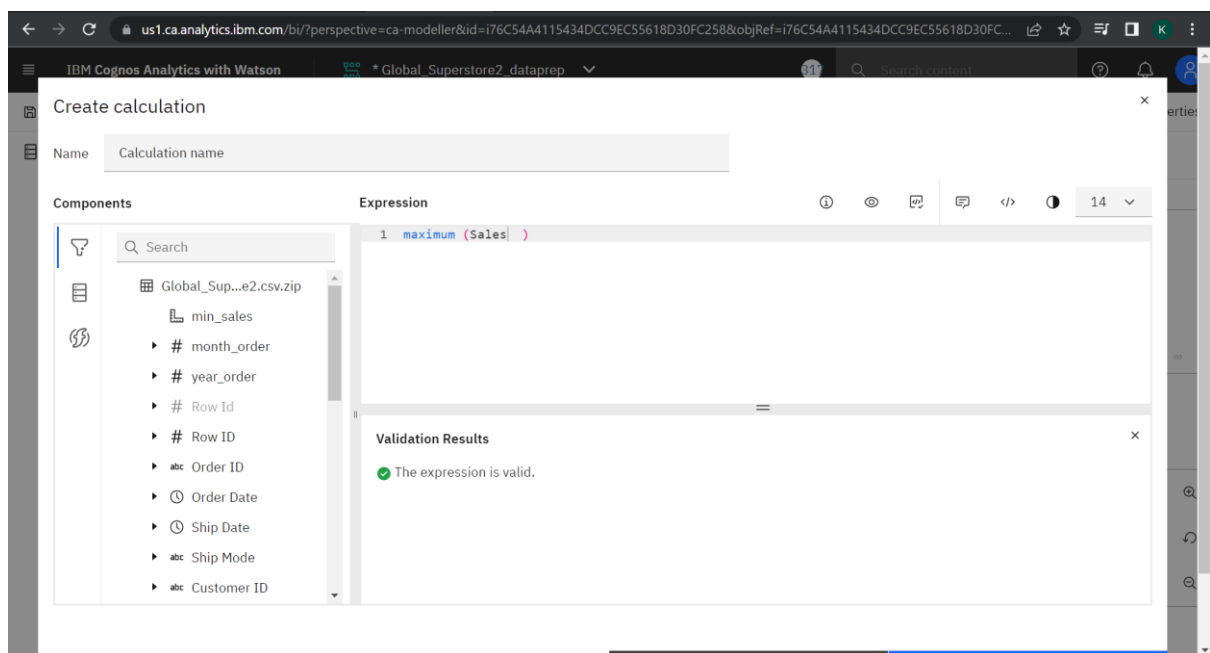
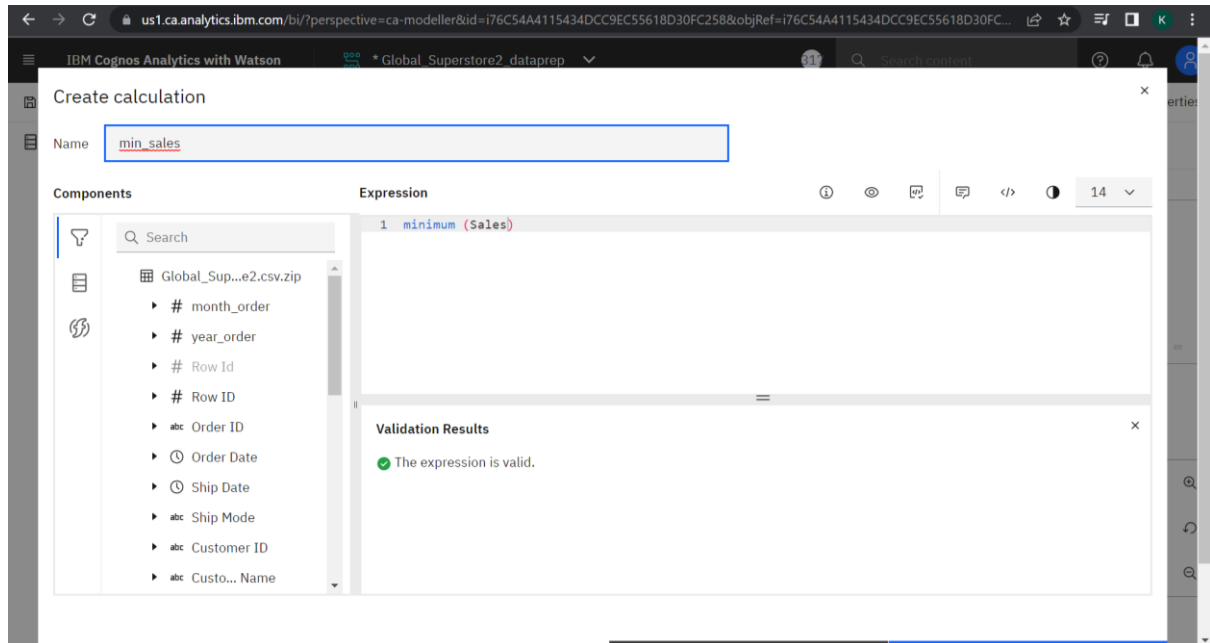
Global_Supe...e2_dataprep

- Navigation paths
- Global_Sup...2.csv.zip
 - # month_order
 - # year_order
 - # Row Id
 - # Row ID
 - abc Order ID
 - AE-2011-9160
 - AE-2013-1130
 - AE-2013-1530
 - AE-2014-2840
 - AE-2014-3830
 - AE-2014-4120
 - AG-2011-1070

Grid

month_order	year_order	Row Id	Row ID	Order ID	Order
7	2012	1	32298	CA-2012-124891	20
2	2013	2	26341	IN-2013-77878	20
10	2013	3	25330	IN-2013-71249	20
1	2013	4	13524	ES-2013-1579342	20
11	2013	5	47221	SG-2013-4320	20
6	2013	6	22732	IN-2013-42360	20
11	2011	7	30570	IN-2011-81826	20
4	2012	8	31192	IN-2012-86369	20
10	2014	9	40155	CA-2014-135909	20

b. Create a Few more Calculations – Target Sales, Min Sales, Max Sales, Middle Range Sales.



us1.ca.analytics.ibm.com/bi/7perspective=ca-modeller&id=i76C54A4115434DCC9EC55618D30FC258&objRef=i76C54A4115434DCC9EC55618D30FC...

IBM Cognos Analytics with Watson

Global_Superstore2_dataprep

Search content

Properties

Data module

Search

max_sales

min_sales

month_order

year_order

Row Id

Row ID

abc Order ID

AE-2011-9160

AE-2013-1130

AE-2013-1530

AE-2014-2840

AE-2014-3830

AE-2014-4120

AG-2011-1070

AG-2014-1550

Grid

Relationships

Custom tables

	max_sales	min_sales	month_order	year_order	Row Id	Row
	22638.48	0.444	7	2012	1	32
	22638.48	0.444	2	2013	2	26
	22638.48	0.444	10	2013	3	25
	22638.48	0.444	1	2013	4	15
	22638.48	0.444	11	2013	5	47
	22638.48	0.444	6	2013	6	22
	22638.48	0.444	11	2011	7	30
	22638.48	0.444	4	2012	8	31
	22638.48	0.444	10	2014	9	40