

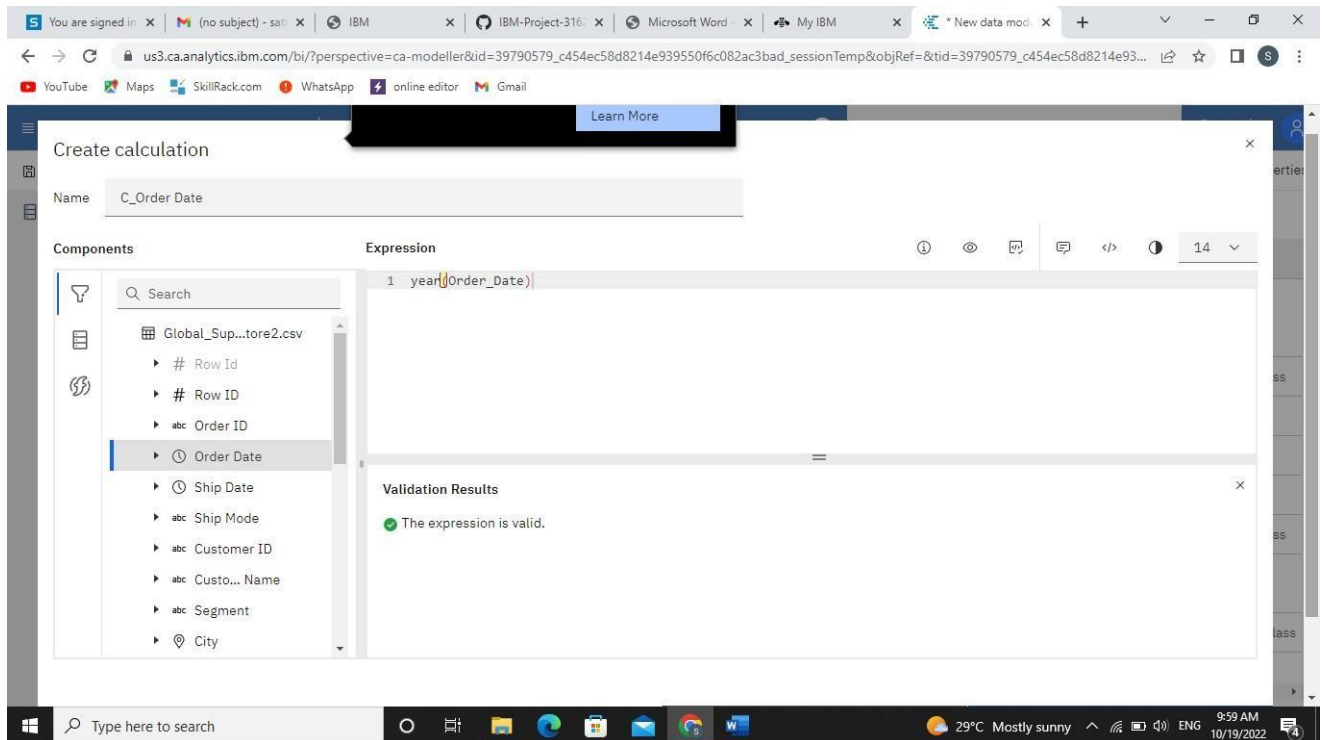
PREPARING THE DATASET

Team ID	PNT2022TMID13846
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 the related Navigation path
- Create a Few more Calculations – Target Sales, Min Sales, Max Sales, Middle Range Sales.

Year of Order date:



The screenshot displays the 'Create calculation' window in the IBM Analytics environment. The 'Name' field is set to 'C_Order Date'. The 'Components' pane on the left lists various fields from the 'Global_Sup...tore2.csv' dataset, including 'Order Date'. The 'Expression' field contains the formula '1 year([Order_Date])'. Below the expression, the 'Validation Results' section shows a green checkmark and the message 'The expression is valid.' The interface is running in a web browser with multiple tabs open, and the Windows taskbar at the bottom shows the date as 10/19/2022.

Month of Order date:

The screenshot shows the 'Create calculation' dialog in IBM Cognos Analytics. The 'Name' field is 'C_Order Date'. The 'Expression' field contains the formula `1 month(Order_Date)`. The 'Components' pane on the left lists various fields, with 'Order Date' selected. An 'Information' pop-up is displayed, explaining the `month` function: it returns the month (an integer from 1-12) from a date expression. An example shows `month(2005-11-01)` returning 11.

Components

- Global_Sup...tore2.csv
 - # year of...r Date
 - # Row Id
 - # Row ID
 - abc Order ID
 - Order Date**
 - Ship Date
 - abc Ship Mode
 - abc Customer ID
 - abc Custo... Name
 - abc Segment

Expression

```
1 month(Order_Date)
```

Information

`month (date_expression)`

Returns the month (an integer from 1-12) from "date_expression".

`month (2005-11-01):`

Result: Returns 11.

The screenshot shows the 'Data module' view in IBM Cognos Analytics. The table displays data from the 'Global_Sup...tore2.csv' data source. The columns are: month of Order Date, year of Order Date, Row Id, Row ID, Order ID, and Order Date. The data is sorted by 'month of Order Date' in ascending order.

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

After Preparing saving the Dataset as:

The screenshot shows the IBM Cognos Analytics interface. A 'Save as' dialog box is open, allowing the user to save a dataset. The 'Name' field contains 'Global_Superstore2_dataprep'. The 'Selected destination: Team content' section is active, showing a table of folders. The background shows a data table with columns like 'Order Date' and 'Order ID'.

Name	Type	Last Accessed
Calendars	Folder	9/17/2022, 8:55 AM
Get started	Folder	9/17/2022, 8:55 AM

Order Date
2012-07-31
2013-02-05
2013-10-17
2013-01-28
2013-11-05
2013-06-28
2011-11-07
2012-04-14