

PREPARING THE DATASET

Team ID	PNT2022TMID41454
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 'Expression' field contains the formula '1 year([Order_Date])'. The 'Components' panel on the left lists various fields from the 'Global_Sup...tore2.csv' dataset, including 'Row ID', 'Order ID', 'Order Date', 'Ship Date', 'Ship Mode', 'Customer ID', 'Customer Name', 'Segment', and 'City'. The 'Order Date' field is selected. A 'Validation Results' panel at the bottom right shows a green checkmark and the message 'The expression is valid.' The browser's address bar shows the URL 'us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=39790579_c454ec58d8214e939550f6c082ac3bad_sessionTemp&objRef=&tid=39790579_c454ec58d8214e93...'. The Windows taskbar at the bottom indicates the system time is 9:59 AM on 10/19/2022.

Month of Order date:

The screenshot shows the IBM Cognos Analytics interface with the 'Create calculation' dialog open. The dialog has a 'Name' field containing 'C_Order Date'. The 'Components' pane on the left lists various fields, with 'Order Date' selected. The 'Expression' pane on the right shows the formula '1 month(Order_Date)'. Below the formula, an 'Information' box provides details about the 'month' function.

Name: C_Order Date

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 Windows taskbar at the bottom shows the date and time as 10:02 AM on 10/19/2022, along with weather information (29°C Mostly sunny) and system icons.

The screenshot shows the IBM Cognos Analytics web interface. On the left, the 'Data module' pane displays a tree structure for 'Global_Su...store2.csv'. The main area shows a table with the following columns: month of Order Date, year of Order Date, Row Id, Row ID, Order ID, and Order Date. The table contains 8 rows of data.

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 same IBM Cognos Analytics interface, but with a 'Save as' dialog box open. The dialog box has a 'Name' field containing 'Global_Superstore2_dataprep'. Below the name field, it shows 'Selected destination: Team content'. There are two tabs: 'My content' and 'Team content', with 'Team content' selected. A table lists the contents of the 'Team content' destination:

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

The dialog box also includes 'Cancel' and 'Save' buttons at the bottom.