

PREPARING THE DATASET

Team ID	PNT2022TMID09634
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 data fields, including 'Order Date', which is currently selected. A 'Validation Results' pop-up is visible, indicating that 'The expression is valid.' The interface includes a search bar, a list of components, and a validation status. 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 shows the system time as 9:59 AM on 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 shows a search bar and a list of fields from the 'Global_Sup...tore2.csv' data source, including 'Order Date'. An 'Information' box on the right explains the `month` function: it returns the month as an integer from 1-12, and provides an example: `month (2005-11-01)` returns 11.

IBM Cognos Analytics with Watson

Create calculation

Name: C_Order Date

Components

Search

- 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 main view of IBM Cognos Analytics. The 'Data module' pane on the left shows the 'Global_Su...tore2.csv' data source. The main area displays 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 11 rows of data.

IBM Cognos Analytics with Watson

Data module

Search

New data module

- Navigation paths
- Global_Su...tore2.csv
 - # month of...der Date
 - # year of Order Date
 - # Row Id
 - # Row ID
 - abc Order ID
 - Order Date
 - Ship Date
 - abc Ship Mode
 - abc Customer ID
 - abc Customer Name
 - abc Segment

Grid

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 displays the IBM Cognos Analytics web interface. A 'Save as' dialog box is open in the center, allowing the user to save a dataset. The 'Name' field contains 'Global_Superstore2_dataprep'. The 'Selected destination' is set to 'Team content'. Below the destination selection, there are two tabs: 'My content' and 'Team content'. The 'Team content' tab is selected, showing a list of existing content items in a table format.

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

The background interface shows the IBM Cognos Analytics dashboard. On the left, there is a 'Data module' sidebar with a search bar and a list of data modules. The main area displays a table of order data with columns like 'Order ID', 'Order Date', and 'Order Amount'. The bottom of the screen shows the Windows taskbar with various application icons and system information like temperature and time.