

Preparing The Dataset

Team ID	PNT2022TMID53439
Project Name	Global Sales Analytics

- Go to IBM Cognos Analytics
- Click on “Prepare” data
- Select the file from source (Eg. Local Computer)

1. Create a Calculation called Order_Year from Order Date

Create calculation ×

Name

Components

Search

- Global_Sup...tore2.csv
 - # Row Id
 - # Row ID
 - # Order ID
 - Order Date
 - Ship Date
 - Ship Mode
 - Customer ID
 - Custo... Name
 - Segment
 - City

Expression

1 Year(**Order_Date**)

Information

☐ Calculate after aggregation

Cancel OK

2. Create a Calculation called Order_Month from Order Date

Create calculation ×

Name

Components

Search

- Global_Sup...tore2.csv
 - # Order_Year
 - # Row Id
 - # Row ID
 - # Order ID
 - Order Date
 - Ship Date
 - Ship Mode
 - Customer ID
 - Custo... Name
 - 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.

☐ Calculate after aggregation

Cancel OK

3. Create a calculation called Order_Day from Order Date

Create calculation

Name

Components

Search

- Global_Sup...tore2.csv
 - # Order_Month
 - # Order_Year
 - # Row Id
 - # Row ID
 - abc Order ID
 - 🕒 Order Date
 - 🕒 Ship Date
 - abc Ship Mode
 - abc Customer ID
 - abc Custo... Name

Expression

1 day (Order_Date)

Information

day (date_expression)

Returns the day of the month (1-31) from "date_expression". "Date_expression" can be a date value or a string representation of a date.

day ('1998-01-08'):

Result: Returns 8.

☐ Calculate after aggregation

Cancel OK

4. Create a Navigation containing the Order_Year, Order_Month, Order_day

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Order Date prep

Order_day

Order_Month

Order_Year

Global_Su...tore2.csv

Order_day

Order_Month

Order_Year

Row Id

Row ID

Order ID

Grid

Relationships

Custom tables

	All	Order_day	Order_Month	Order_Year	Row Id	Row ID	Order ID
All	31	7	2012	1	32298	CA-2012-1248	
All	5	2	2013	2	26341	IN-2013-7787	
All	17	10	2013	3	25330	IN-2013-7124	
All	28	1	2013	4	13524	ES-2013-1579	
All	5	11	2013	5	47221	SG-2013-4320	
All	28	6	2013	6	22732	IN-2013-4236	
All	7	11	2011	7	30570	IN-2011-8182	
All	14	4	2012	8	31192	IN-2012-8636	
All	14	10	2014	9	40155	CA-2014-1359	
All	28	1	2012	10	40936	CA-2012-1166	

Now, this can be saved as a New Data module called “Global_Superstore_DataPrep”.