

## Working With the Dataset

### Prepare the Dataset

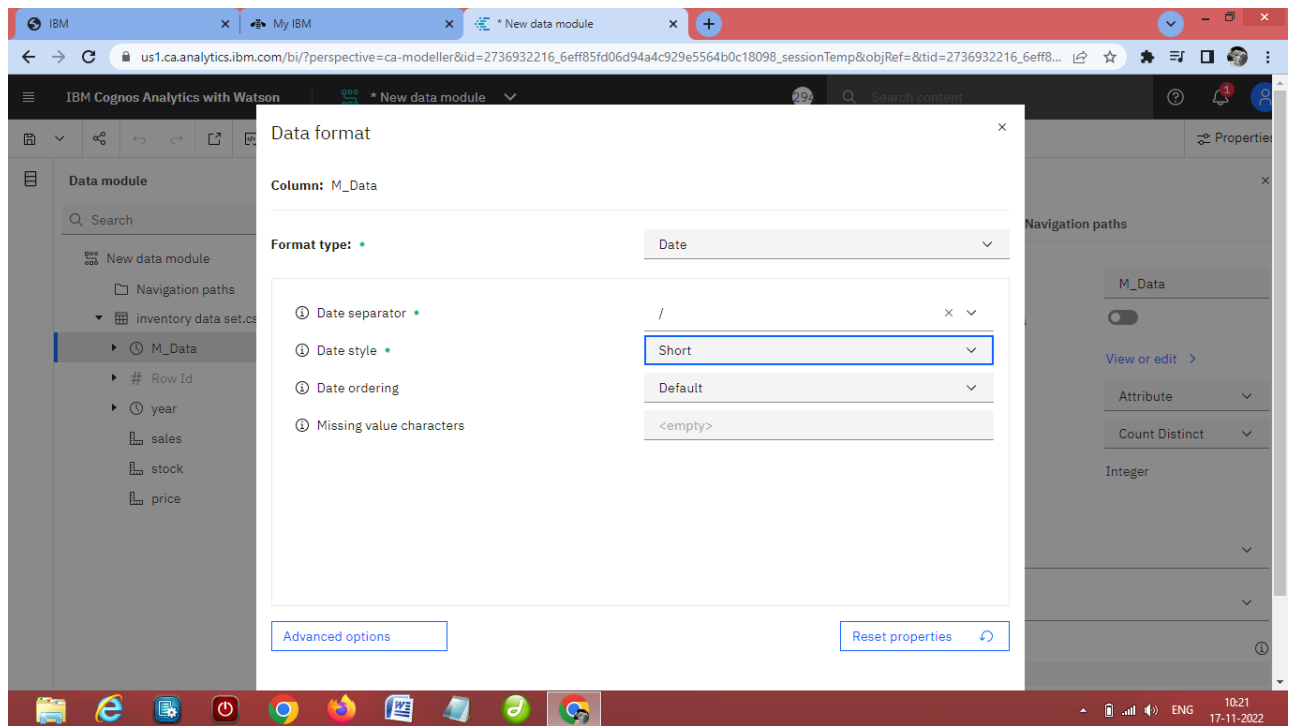
Team ID	PNT2022TMID46684
Project Name	Project - Retail Store Stock Inventory Analytics

Prepare the dataset:

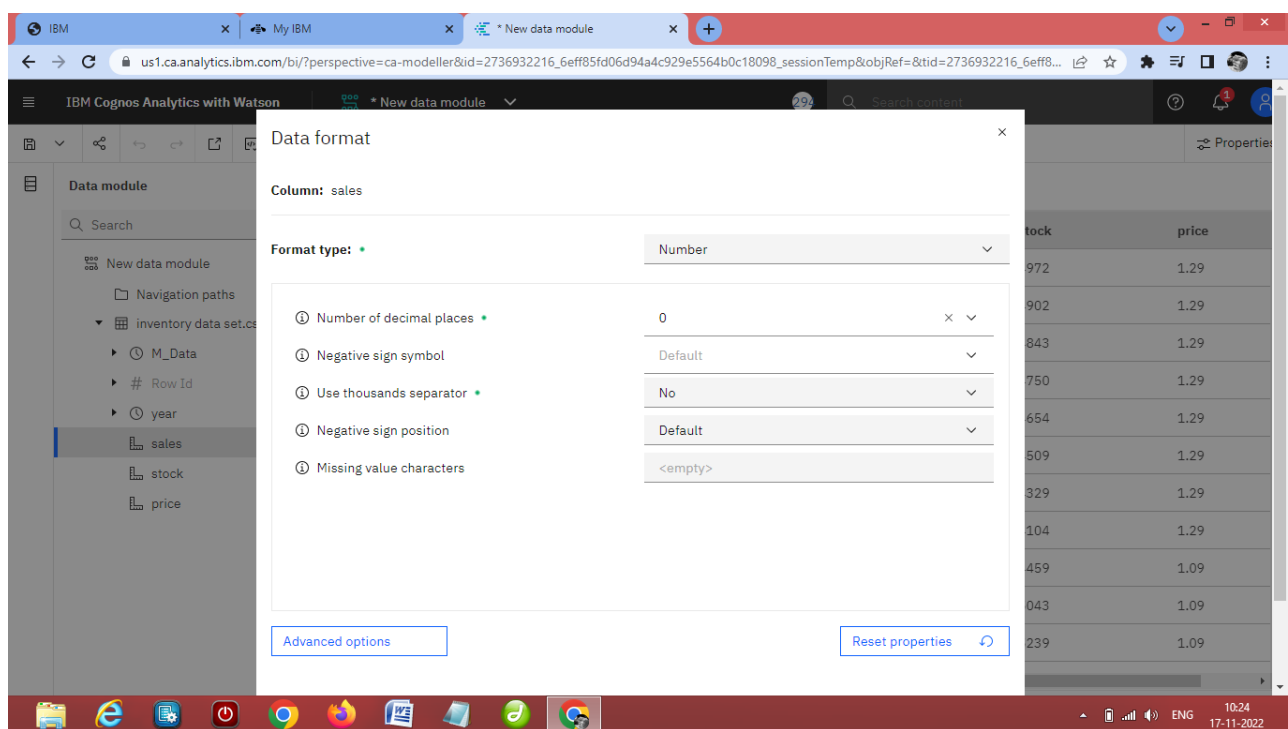
The screenshot shows the 'Create calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'M\_Data'. The 'Expression' field contains the formula '1 month(data\_)'. A 'Validate' button is visible next to the expression. The 'Components' pane on the left shows a tree structure with 'inventory data set.csv' expanded, showing 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The 'Information' pane on the right provides details about the 'month' function: 'month ( date\_expression )', 'Returns the month (an integer from 1-12) from "date\_expression".', and an example: 'month ( 2005-11-01 ); Result: Returns 11.'

Data module:

The screenshot shows the 'Data format' dialog in IBM Cognos Analytics. The 'Column' is 'M\_Data'. The 'Format type' is set to 'Date'. The 'Advanced options' section includes: 'Date separator' (Default), 'Date style' (Default), 'Date ordering' (Default), and 'Missing value characters' (<empty>). A 'Reset properties' button is at the bottom right. The background shows the 'Data module' pane with a tree structure including 'Navigation paths', 'inventory data set.csv', 'M\_Data', '# Row Id', 'year', 'sales', 'stock', and 'price'.



## Dataset:

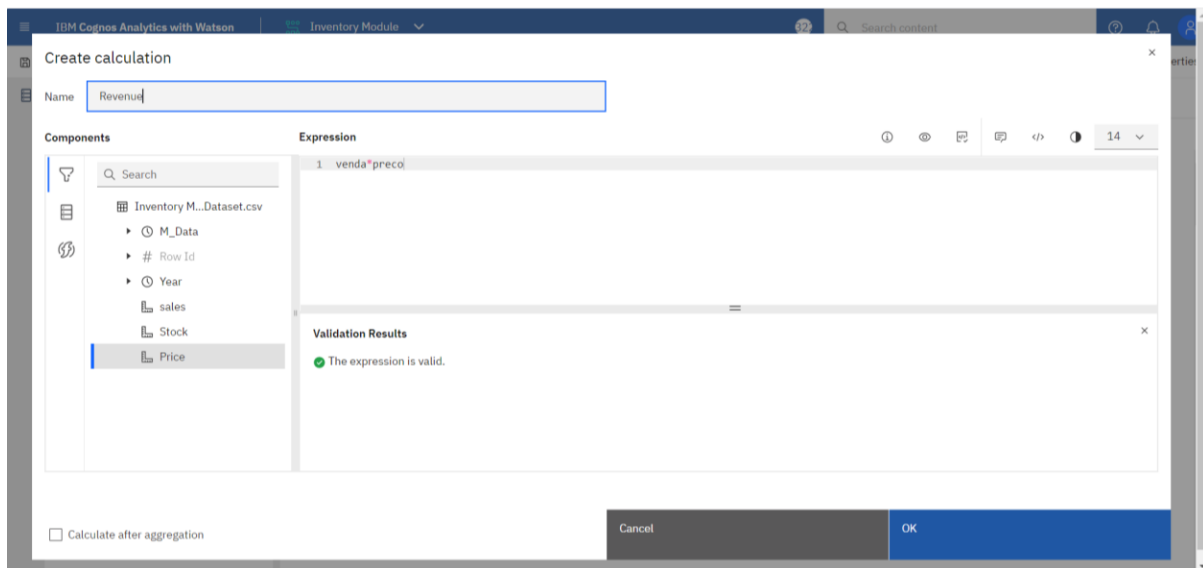


The screenshot shows the 'Data format' dialog box in IBM Cognos Analytics. The 'Column' is set to 'stock'. The 'Format type' is 'Number'. The 'Number of decimal places' is 0. The 'Negative sign symbol' is 'Default'. The 'Use thousands separator' is 'No' (highlighted with a blue border). The 'Negative sign position' is 'Default'. The 'Missing value characters' are '<empty>'. The background shows a table with columns 'price' and 'stock'.

price	stock
1.29	
1.29	
1.29	
1.29	
1.29	
1.29	
1.29	
1.29	
1.09	
1.09	
1.09	

### Dataset:

The screenshot displays the IBM Cognos Analytics interface. A 'Data format' dialog box is open, showing the configuration for the 'price' column. The dialog has a 'Column:' field set to 'price' and a 'Format type:' dropdown set to 'Number'. Below this, there are several settings: 'Number of decimal places' set to 0, 'Negative sign symbol' set to 'Default', 'Use thousands separator' set to 'No' (highlighted with a blue border), 'Negative sign position' set to 'Default', and 'Missing value characters' set to '<empty>'. At the bottom of the dialog are 'Advanced options' and 'Reset properties' buttons. In the background, a data table is visible with a 'price' column containing values like 1.29, 1.09, and 1.00.



**Data module**

Search: Inventory Module, Navigation paths, Inventory M...dataset.csv, Revenue, M\_Data, # Row Id, Year, sales, Stock, Price

**Grid**

Revenue	M_Data	Row Id	Year	sales
0	1	1	1/1/14	0
90.3	1	2	1/2/14	70
76.11	1	3	1/3/14	59
119.97	1	4	1/4/14	93
123.84	1	5	1/5/14	96
187.05	1	6	1/6/14	145
230.91	1	7	1/7/14	179
414.09000000000003	1	8	1/8/14	321
136.25	1	9	1/9/14	125
95.92	1	10	1/10/14	88
204.92000000000002	1	11	1/11/14	188
131.89000000000001	1	12	1/12/14	121
146.06	1	13	1/13/14	134

**Properties**

General: Label (Year), Hide from users (off), Expression (View or edit), Usage (Attribute), Aggregate (Count Distinct), Data type (Date), Represents (Time), Year (Year), Lookup reference (None), Description (info icon)

## Save the Dataset:

The screenshot shows the IBM Cognos Analytics web interface. A 'Save as' dialog box is open in the center. The 'Name' field contains 'Inventory module'. Below this, it says 'Selected destination: My content'. There are two tabs: 'My content' (selected) and 'Team content'. Under 'My content', there is a table with the following data:

Name	Type	Last Accessed
inventory data set.csv	Uploaded file	16/11/2022, 4:15 AM

The 'Save' button at the bottom right of the dialog is highlighted in blue. The background shows a sidebar with 'Data module' and a search bar, and a main area with a table containing a 'price' column. The browser's address bar shows the URL: [us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=2736932216\\_6eff85fd06d94a4c929e5564b0c18098\\_sessionTemp&objRef=&tid=2736932216\\_6eff85fd06d94a4c929e5564b0c18098\\_sessionTemp&objRef=&tid=2736932216\\_6eff85fd06d94a4c929e5564b0c18098\\_sessionTemp](https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=2736932216_6eff85fd06d94a4c929e5564b0c18098_sessionTemp&objRef=&tid=2736932216_6eff85fd06d94a4c929e5564b0c18098_sessionTemp&objRef=&tid=2736932216_6eff85fd06d94a4c929e5564b0c18098_sessionTemp). The bottom of the screen shows a Windows taskbar with various application icons and a system clock showing 10:27 on 17-11-2022.

