

Project Development Phase

Delivery of Sprint-1

Team ID	PNT2022TMID06342
Project Title	Retail Store Stock Inventory Analytics

Project Development Phase:

Sprint-1:

- ☐ Data Collection
- ☐ Data Preparation

Sprint-2:

- ☐ Data Exploration

Sprint-3:

- ☐ Dashboard Creation

Sprint-4:

- ☐ Report Creation
- ☐ Story Creation

Sprint-1:

Data Collection:

Download the Dataset

Dataset link - <https://drive.google.com/drive/folders/1kiL5CHJmQvbk9VyFsuUs-myAupBZ>

Load the Dataset:

Tools used – IBM Cognos

The screenshot shows the IBM Cognos Analytics with Watson web interface. At the top, a green notification bar states "mock_kaggle.xlsx was uploaded successfully." Below this, the "Quick launch" section contains four tiles: "Upload data", "Prepare data", "Exploration", and "Present data". The "Recent" tab is active, displaying a table of recently accessed files.

Name	Location	Type	Last Accessed
mock_kaggle.xlsx	My content	Uploaded file	11/6/2022, 2:14 AM
Inventory Management dataset.zip	My content	Uploaded file	10/20/2022, 1:05 AM
50 startups	My content	Exploration	10/7/2022, 10:03 AM

Content

us3.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i58FC1672EA5A4351BCE7D63FC8C1E334

IBM Cognos Analytics with Watson

Content

Home

+ New

Upload data

Content

Recent

Manage

New

Data

Data module

Explore

Exploration

Present

Dashboard

Report

Story

Type	Last Accessed
Exploration	10/6/2022, 11:37 AM
Dashboard	10/6/2022, 12:15 PM
Data module	10/6/2022, 10:39 AM
Uploaded file	10/6/2022, 8:14 AM
Uploaded file	10/20/2022, 1:06 AM
Uploaded file	11/6/2022, 2:15 AM
Dashboard	10/7/2022, 9:38 AM

Active Windows
Go to Settings to activate Windows.

Content

us3.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i58FC1672EA5A4351BCE7D63FC8C1E334

IBM Cognos Analytics with Watson

Content

Select sources

My content

Type any text to filter items in this folder

50 startups	10/6/2022, 11:37 AM
50 startups vis	10/6/2022, 12:15 PM
50_Startups_DataPrep	10/6/2022, 10:39 AM
50_Startups.csv	10/6/2022, 8:14 AM
Inventory Management dataset.zip	10/20/2022, 1:06 AM
mock_kaggle.xlsx	11/6/2022, 2:15 AM
Pharma_Monthly_Sales	10/7/2022, 9:38 AM
Pharma_Monthly_Sales_DataPrep	10/7/2022, 9:03 AM
Pharma_Monthly_Sales.csv	10/7/2022, 8:59 AM

Filter by

Reset filters

Type

☐ Folders

☐ Packages

☐ Files

☐ Data sets

☐ Modules

Modified

☒ All

☐ Today

☐ Yesterday

☐ Past week

☐ Past month

Cancel

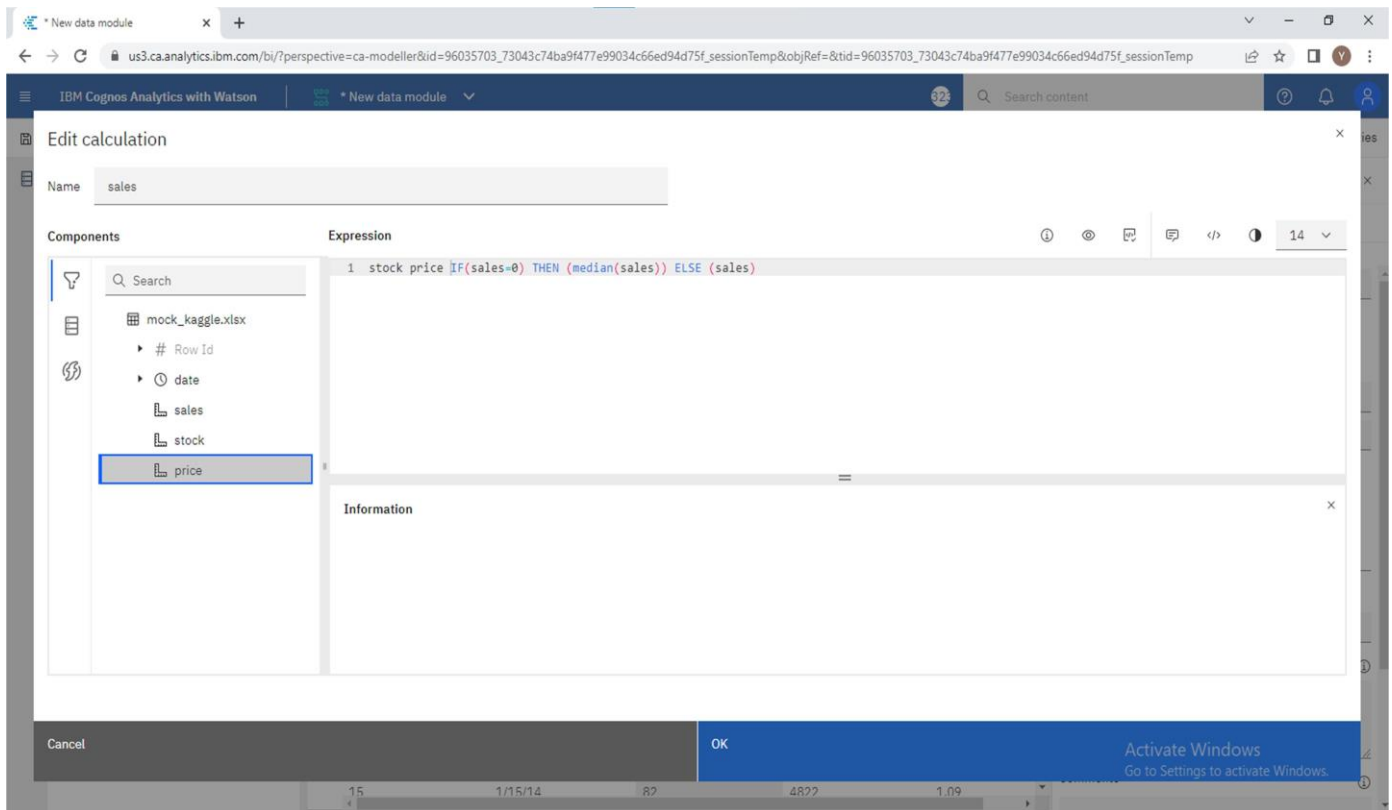
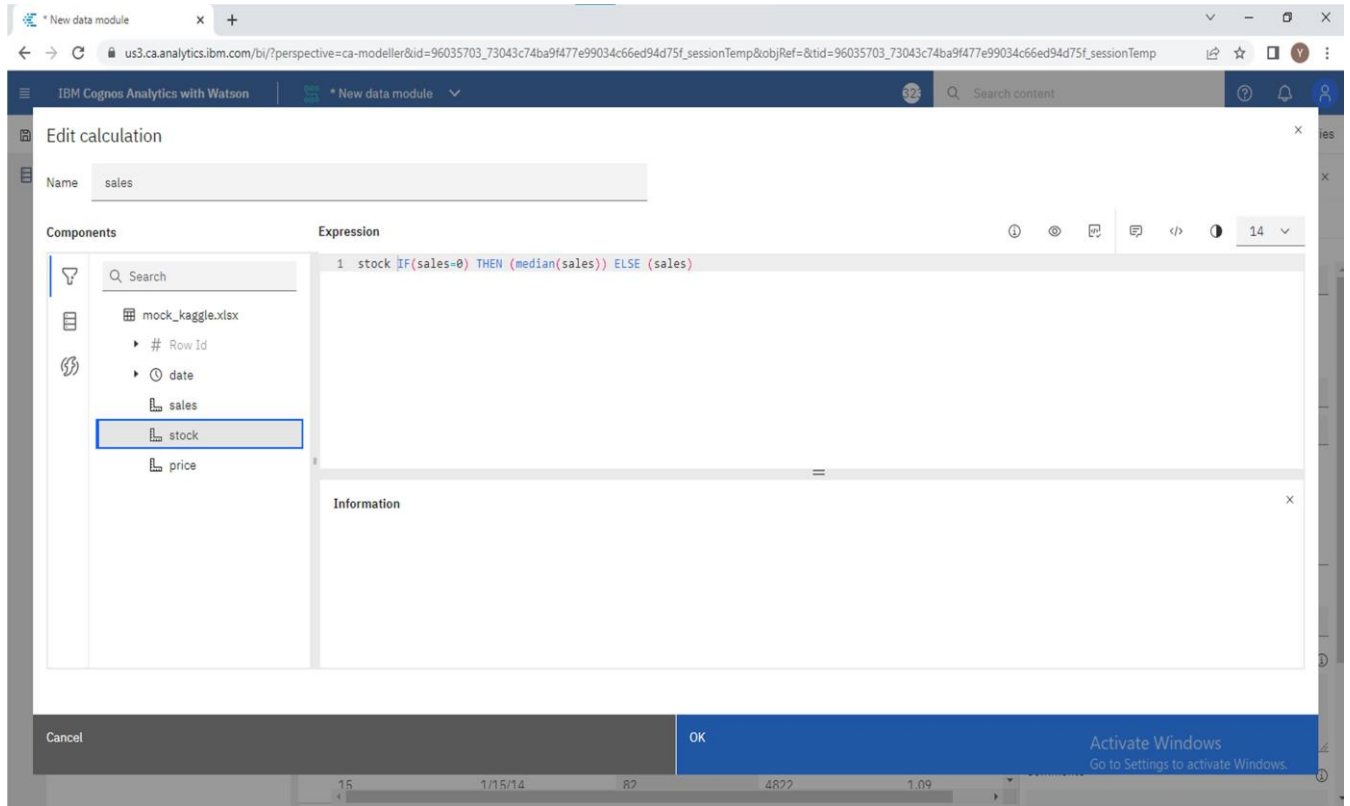
OK

Activate Windows
Go to Settings to activate Windows.

Month data:

The screenshot shows the 'Edit calculation' dialog in IBM Cognos Analytics. The 'Name' field is set to 'Month date'. The 'Expression' field contains the formula `1 month (date_)`. The 'Components' pane on the left shows a tree structure with 'mock_kaggle.xlsx' at the top, followed by '# Row Id', 'date', 'sales', 'stock', and 'price'. The 'date' component is selected. A 'Validation Results' window at the bottom right displays a green checkmark and the message 'The expression is valid.' The dialog has 'Cancel' and 'OK' buttons at the bottom.

The screenshot shows the 'Edit calculation' dialog with the expression updated to a conditional formula. The 'Expression' field now contains two lines: `1` and `2 IF(sales=0) THEN (median(sales)) ELSE(sales)`. A 'Validate' button has appeared next to the expression. The 'Components' pane remains the same, but 'Month date' is now listed under 'mock_kaggle.xlsx' instead of 'date'. The 'Validation Results' window still shows 'The expression is valid.' The 'OK' button is highlighted in blue.



IBM Cognos Analytics with Watson

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.xlsx

Row Id

date

sales

stock

price

Grid Relationships Custom tables

Row Id	date	sales	stock	price
1	1/1/14	76	4972	1.29
2	1/2/14	70	4902	1.29
3	1/3/14	59	4843	1.29
4	1/4/14	93	4750	1.29
5	1/5/14	96	4654	1.29
6	1/6/14	145	4509	1.29
7	1/7/14	179	4329	1.29
8	1/8/14	321	4104	1.29
9	1/9/14	125	4459	1.09
10	1/10/14	88	5043	1.09
11	1/11/14	188	5239	1.09
12	1/12/14	121	5118	1.09
13	1/13/14	134	4984	1.09
14	1/14/14	80	4904	1.09
15	1/15/14	82	4822	1.09

Activate Windows
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Activate Windows
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The screenshot shows the IBM Cognos Analytics interface. On the left, a 'Data module' sidebar lists 'mock_kaggle.xlsx' with columns: Row Id, date, sales, stock, and price. The 'price' column is selected. The main area displays a grid view of this data.

Row Id	date	sales	stock	price
1	1/1/14	76	4972	1.29
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3	1/3/14	59	4843	1.29
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14	1/14/14	80	4904	1.09
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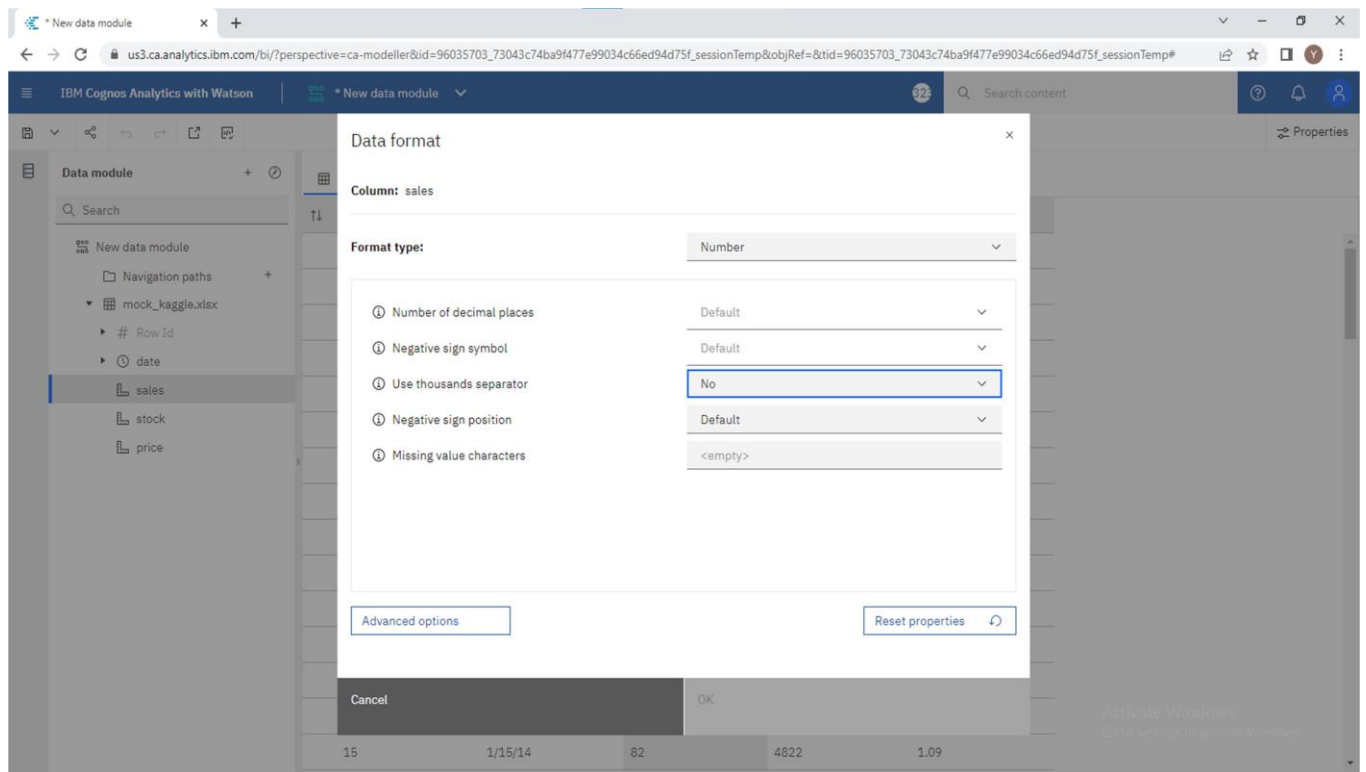
Stock-Format data:

The 'Data format' dialog box is open for the 'stock' column. It shows the following settings:

- Column:** stock
- Format type:** Number
- Number of decimal places:** Default
- Negative sign symbol:** Default
- Use thousands separator:** No
- Negative sign position:** Default
- Missing value characters:** <empty>

Buttons at the bottom include 'Advanced options', 'Reset properties', 'Cancel', and 'OK'.

Sales-Format Data:



Price-Format Data:

