

Project Development Phase

Delivery of Sprint-1

Team ID	PNT2022TMID15864
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/1kiL_5CHJmQvbk9VyFsuUs-myAupBZ

Load the Dataset:

Tools used – IBM Cognos

The screenshot displays the IBM Cognos Analytics with Watson web application. The browser address bar shows the URL `us3.ca.analytics.ibm.com/bi/?perspective=home`. A green notification banner at the top states "mock_kaggle.xlsx was uploaded successfully." Below this, the "Quick launch" section features four tiles: "Upload data" (with an upward arrow icon), "Prepare data" (with a data flow icon), "Exploration" (with a magnifying glass icon), and "Present data" (with a presentation screen icon). Each tile includes a brief description of its function. At the bottom, the "Recent" tab is active, showing a table of recently accessed content.

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

Content

us3.ca.analytics.ibm.com/bi/?perspective=content&tab=myContent&folder=i5BFC1672EA5A4351BCE7D63FC8C1E334

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=i5BFC1672EA5A4351BCE7D63FC8C1E334

IBM Cognos Analytics with Watson

Content

Search 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

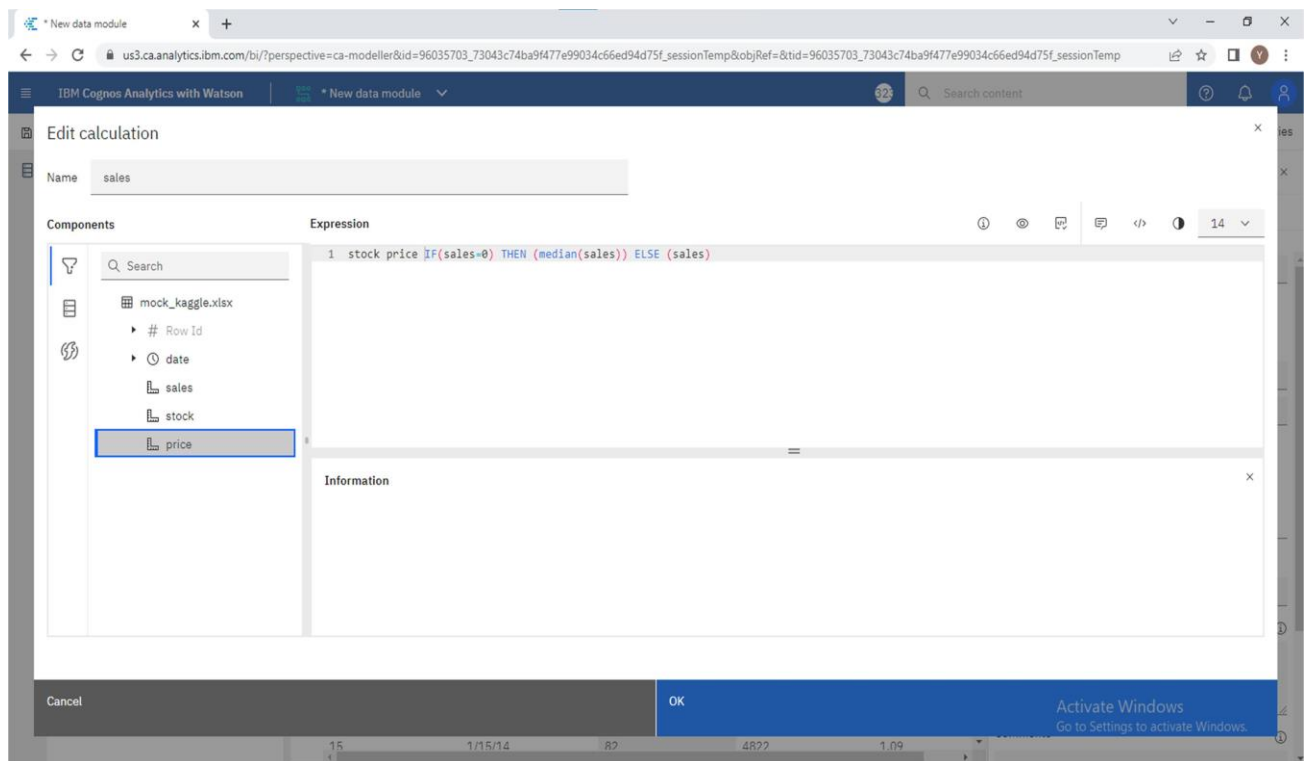
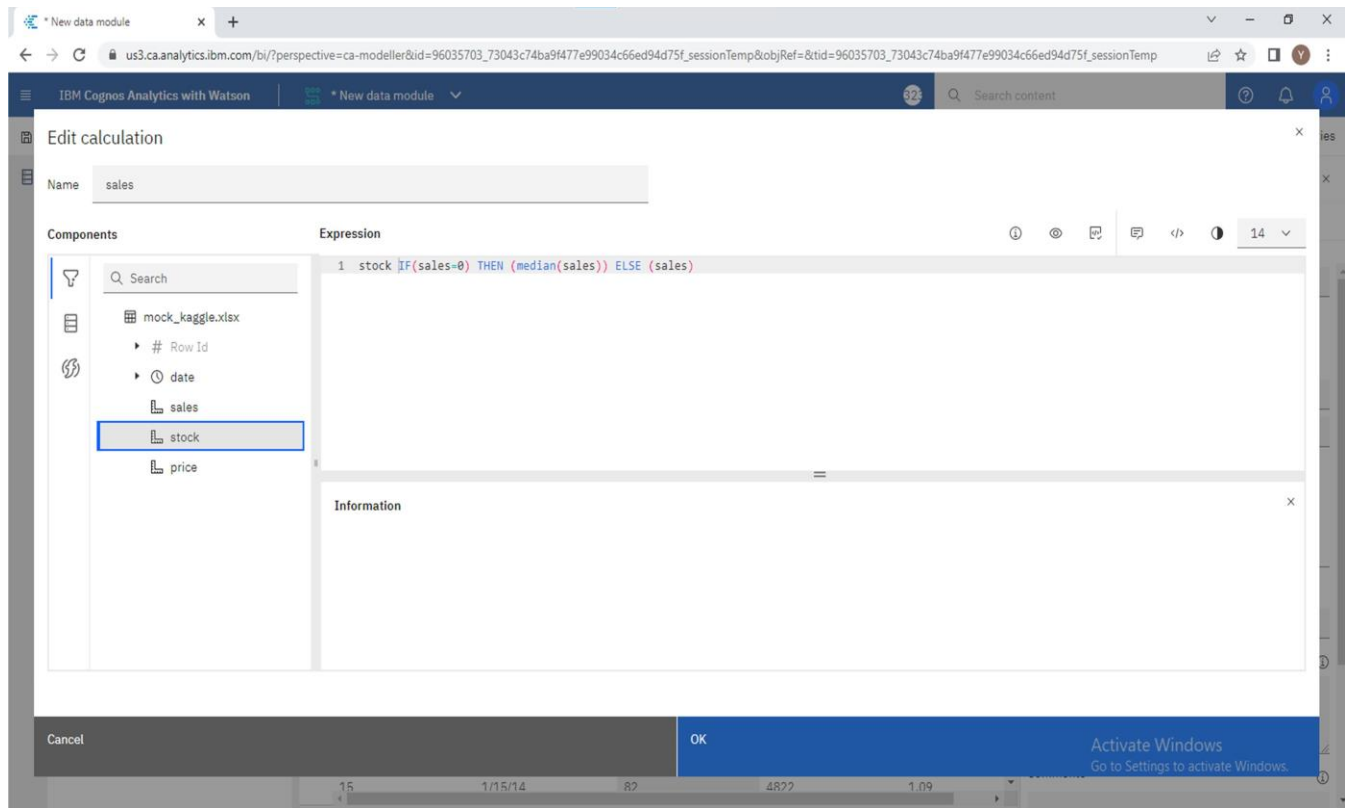
OK

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' list on the left includes 'mock_kaggle.xlsx', '# Row Id', 'date', 'sales', 'stock', and 'price'. A 'Validation Results' panel 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 in IBM Cognos Analytics. The 'Name' field is set to 'Month date'. The 'Expression' field contains the formula `1
2 IF (sales=0) THEN (median(sales)) ELSE(sales)`. The 'Components' list on the left includes 'mock_kaggle.xlsx', '# Row Id', 'Month date', 'sales', 'stock', and 'price'. A 'Validate' button is visible next to the expression field. A 'Validation Results' panel 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.



us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp&objRef=&tid=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp#

IBM Cognos Analytics with Watson

* New data module

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
Go to Settings to activate Windows.

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp&objRef=&tid=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp#

IBM Cognos Analytics with Watson

* New data module

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
Go to Settings to activate Windows.

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp&objRef=&tid=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp#

IBM Cognos Analytics with Watson

New data module

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
Go to Settings to activate Windows.

Stock-Format data:

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp&objRef=&tid=96035703_73043c74ba9f477e99034c66ed94d75f_sessionTemp#

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

mock_kaggle.xlsx

Row Id

date

sales

stock

price

Data format

Column: stock

Format type: Number

① Number of decimal places: Default

① Negative sign symbol: Default

① Use thousands separator: No

① Negative sign position: Default

① Missing value characters: <empty>

Advanced options

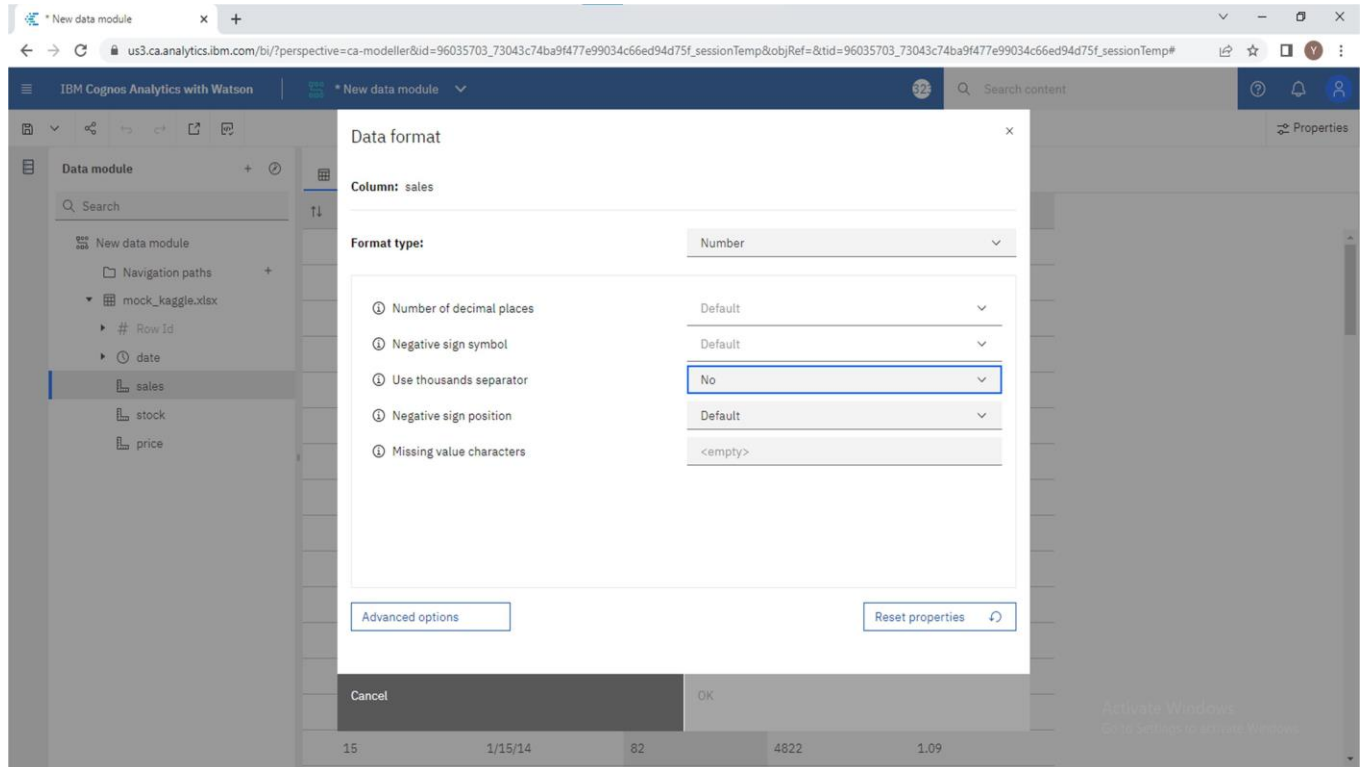
Reset properties

Cancel OK

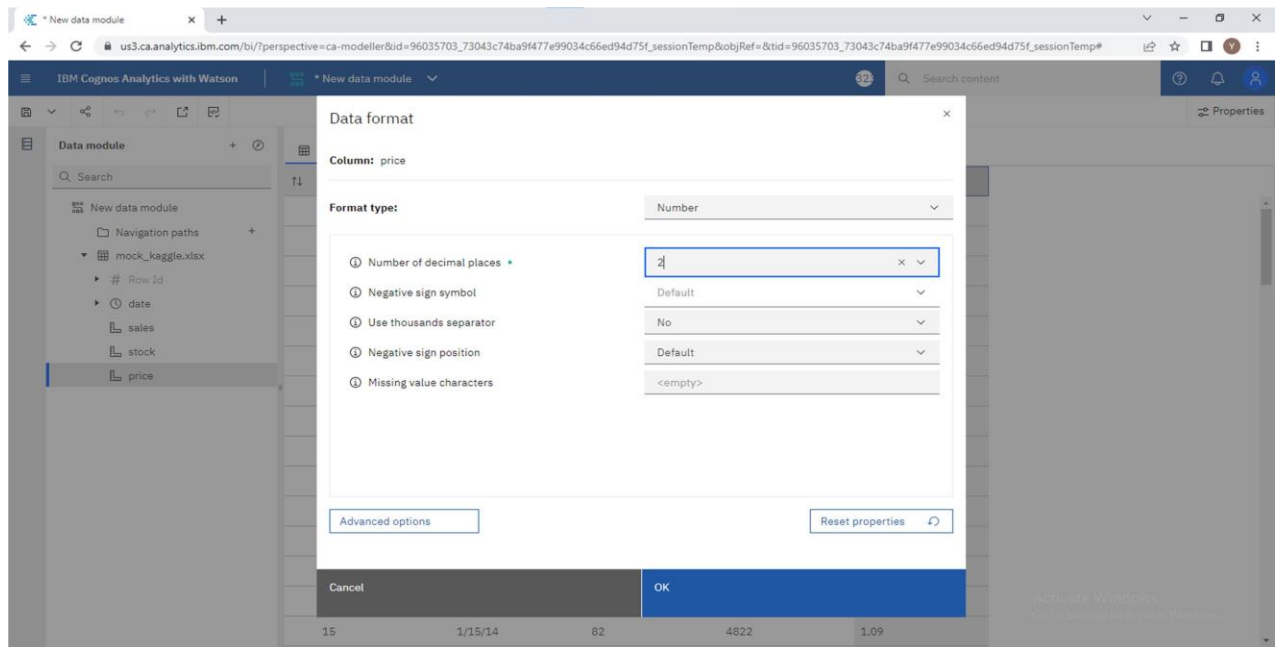
15 1/15/14 82 4822 1.09

Activate Windows
Go to Settings to activate Windows.

Sales-Format Data:



Price-Format Data:



Prepared Data link: https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FSprint%2B1