

## **Project Development Phase Delivery of Sprint-1**

Team ID	PNT2022TMID20096
Project Name	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

**TEAM ID: PNT2022TMID20096**

## Sprint-1:

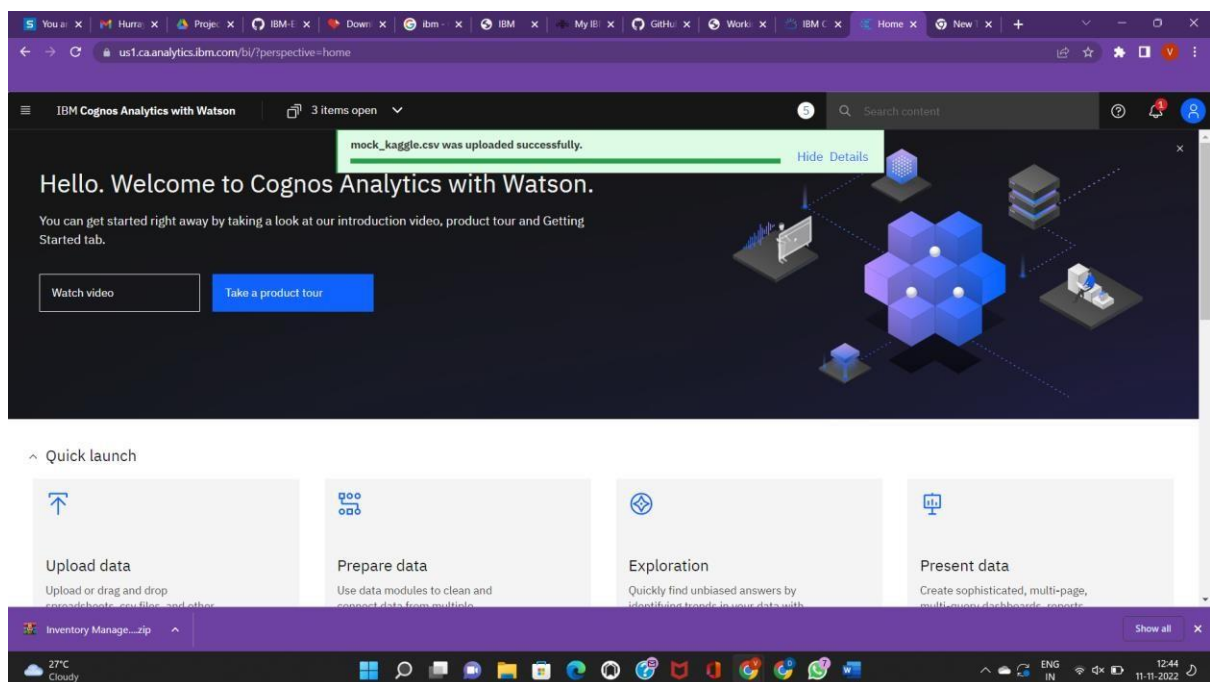
### Data Collection:

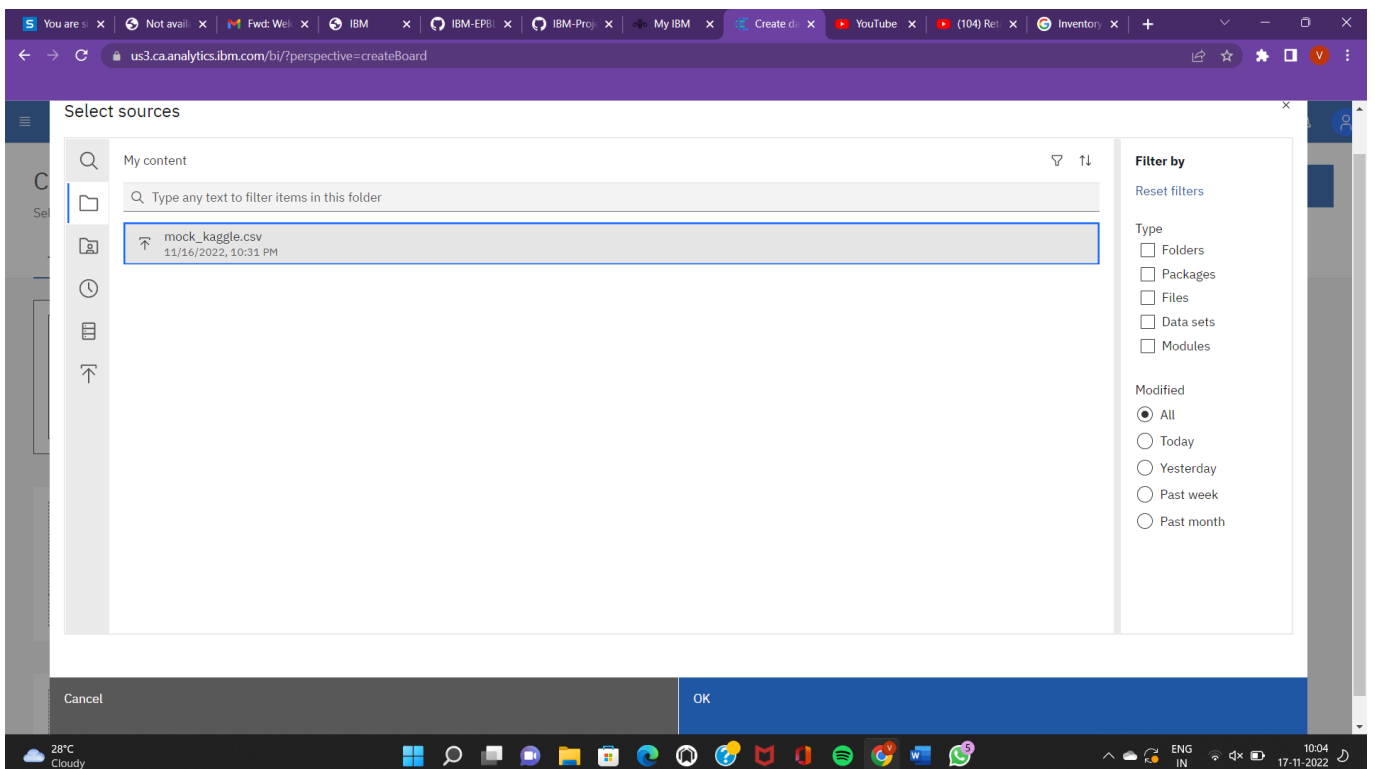
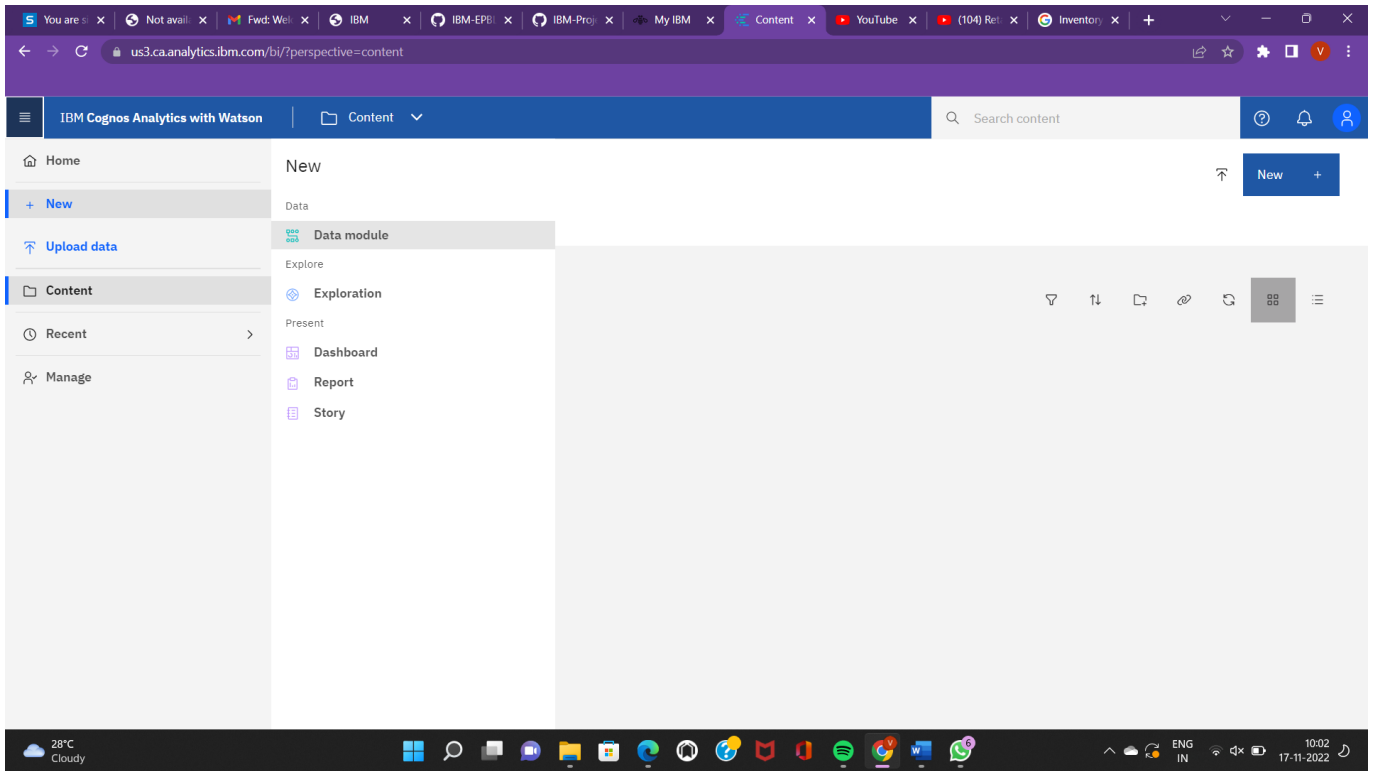
Download the Dataset

Dataset link - <https://drive.google.com/drive/folders/1kiL-5CHJmQvbK9VyFsuUs-myAupBZGNy>

### Load the Dataset:

Tool used – IBM Cognos





## Month data:

The screenshot shows the 'Create calculation' dialog box in IBM Cognos Analytics. The 'Name' field is set to 'Month\_data'. The 'Components' pane on the left shows a search bar and a list of data sources: 'mock\_kaggle.csv', '# Row Id', 'data', 'venda', 'estoque', and 'preco'. The 'Expression' field contains the formula: `1 month (data_)`. Below the expression field, the 'Validation Results' section shows a green checkmark and the message 'The expression is valid.' At the bottom of the dialog, there are 'Cancel' and 'OK' buttons. The background shows the IBM Cognos Analytics interface with a search bar and a list of data sources.

The screenshot shows the 'Edit calculation' dialog box in IBM Cognos Analytics. The 'Name' field is set to 'sales'. The 'Components' pane on the left shows a search bar and a list of data sources: 'mock\_kaggle.csv', '# Row Id', 'Year', 'sales', 'stock', and 'price'. The 'Expression' field contains the formula: `1 IF ( venda = 0 ) THEN ( median ( venda ) ) ELSE ( venda )`. Below the expression field, the 'Validation Results' section shows a green checkmark and the message 'The expression is valid.' At the bottom of the dialog, there are 'Cancel' and 'OK' buttons. The background shows the IBM Cognos Analytics interface with a search bar and a list of data sources.

Edit calculation

Name

sales

Components

mock\_kaggle.csv

# Row Id

Year

sales

stock

price

Expression

estoque IF ( venda = 0 ) THEN ( median ( venda ) ) ELSE ( venda )

Validation Results

Cancel

OK

Edit calculation

Name

sales

Components

mock\_kaggle.csv

# Row Id

Year

sales

stock

price

Expression

estoque preco IF ( venda = 0 ) THEN ( median ( venda ) ) ELSE ( venda )

Validation Results

Cancel

OK



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane displays a search bar and a tree view under 'Retail inventory Management'. The tree includes 'Navigation paths', 'mock\_kaggle.csv', and a list of fields: '# Row Id', 'Year', 'sales', 'stock', and 'price'. The 'price' field is currently selected. The main area shows a 'Grid' view of the data. The grid has columns for 'Row Id', 'Year', 'sales', 'stock', and 'price'. The data rows show dates from 2014-01-01 to 2014-01-13, with corresponding sales, stock, and price values.

Row Id	Year	sales	stock	price
1	2014-01-01	76	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09
11	2014-01-11	188	5239	1.09
12	2014-01-12	121	5118	1.09
13	2014-01-13	134	4984	1.09

## Stock-Format Data:

The screenshot shows the 'Data format' dialog box in IBM Cognos Analytics. The 'Column' is set to 'stock'. The 'Format type' is 'Number'. The 'Use thousands separator' is set to 'No'. The 'Number of decimal places' is 'Default', 'Negative sign symbol' is 'Default', 'Negative sign position' is 'Default', and 'Missing value characters' is '<empty>'. The 'Advanced options' button is visible at the bottom left, and the 'Reset properties' button is at the bottom right. In the background, a table view shows the 'stock' and 'price' columns with data values.

stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09

## Sales-Format Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists dates from 2014-01-05 to 2014-01-15, and a table with columns 'Sales', 'stock', and 'price'. The 'Sales' column is selected. A 'Data format' dialog is open, showing the 'Column: Sales'. The 'Format type' is set to 'Number'. The dialog lists several formatting options, all of which are set to their default values:

- 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>

Buttons for 'Advanced options' and 'Reset properties' are visible at the bottom of the dialog.

## Price-Format Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists dates from 2014-01-05 to 2014-01-15, and a table with columns 'stock' and 'price'. The 'price' column is selected. A 'Data format' dialog is open, showing the 'Column: price'. The 'Format type' is set to 'Number'. The 'Number of decimal places' is set to 2. The other formatting options are set to their default values:

- ① Number of decimal places: 2
- ① Negative sign symbol: Default
- ① Use thousands separator: No
- ① Negative sign position: Default
- ① Missing value characters: <empty>

Buttons for 'Advanced options', 'Reset properties', 'Cancel', and 'OK' are visible at the bottom of the dialog.



# Revenue-Format Data:

The screenshot shows the IBM Cognos Analytics with Watson interface. A 'Data format' dialog is open for the column 'revenue data'. The dialog has a 'Format type' dropdown set to 'Number'. Below this, several options are listed with dropdown menus:

- Number of decimal places: 0
- Negative sign symbol: Default
- Use thousands separator: No
- Negative sign position: Default
- Missing value characters: <empty>

At the bottom of the dialog are buttons for 'Advanced options' and 'Reset properties'. In the background, a data table is visible with columns 'stock' and 'price'.

stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09