

Project Development Phase

Delivery of Sprint-1

Team ID	PNT2022TMIB27175
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

Retail Store Stock Inventory Analytics

Project Contributors

Team Lead – Prasanth G
Amish B
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Sakthivel A



TEAM ID: PNT2022TMIB27175

Sprint-1:

Data Collection:

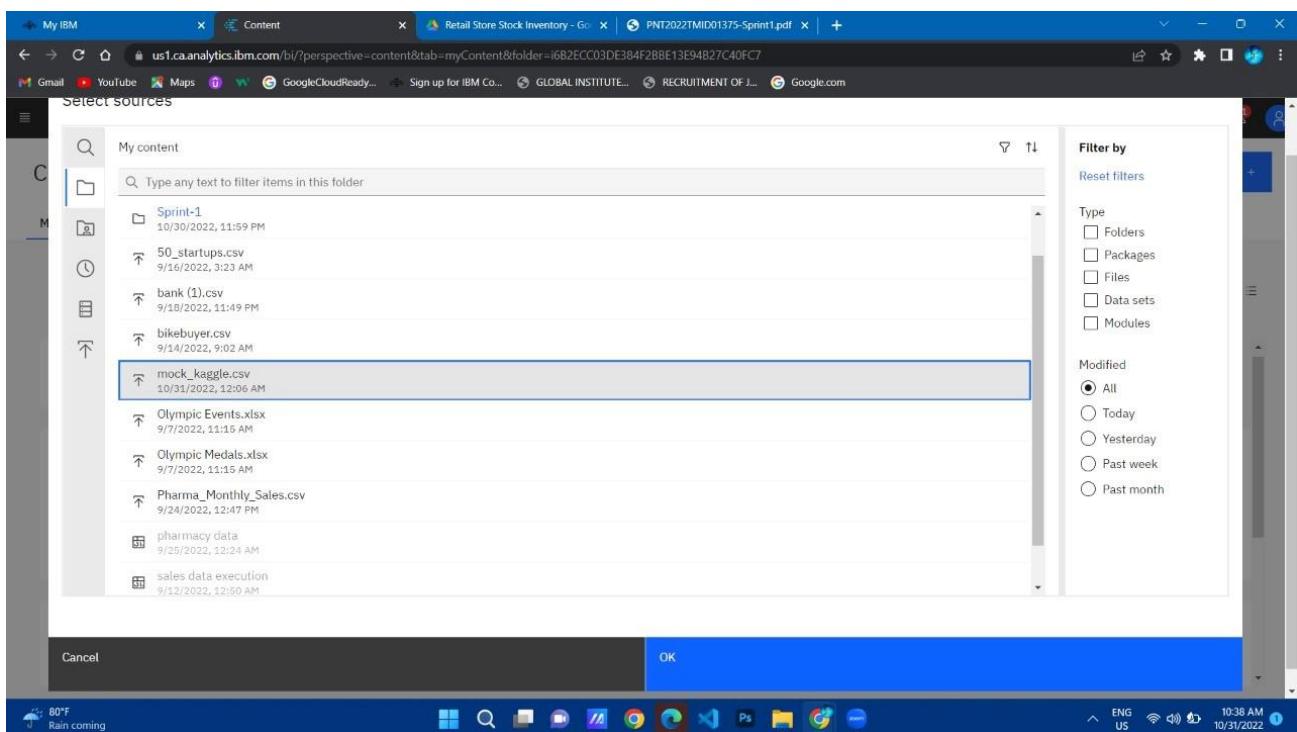
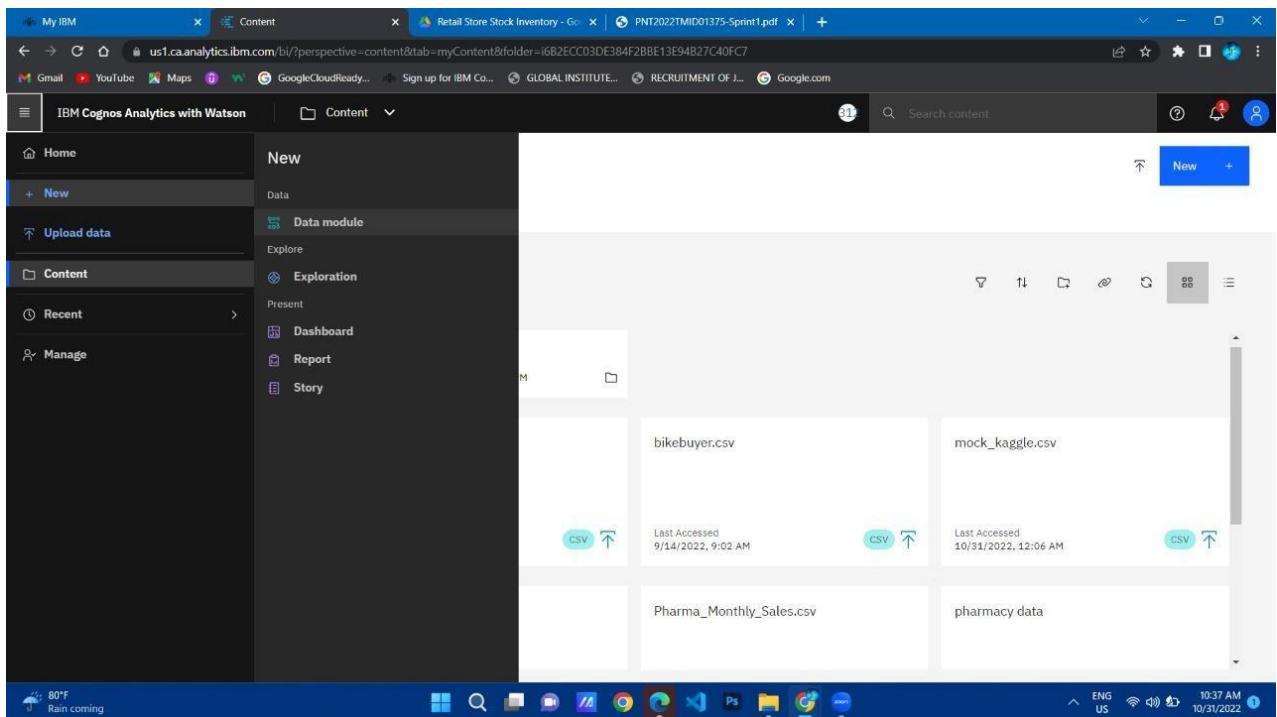
Download the Dataset

Dataset link - <https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsUUs-myAupBZGNy>

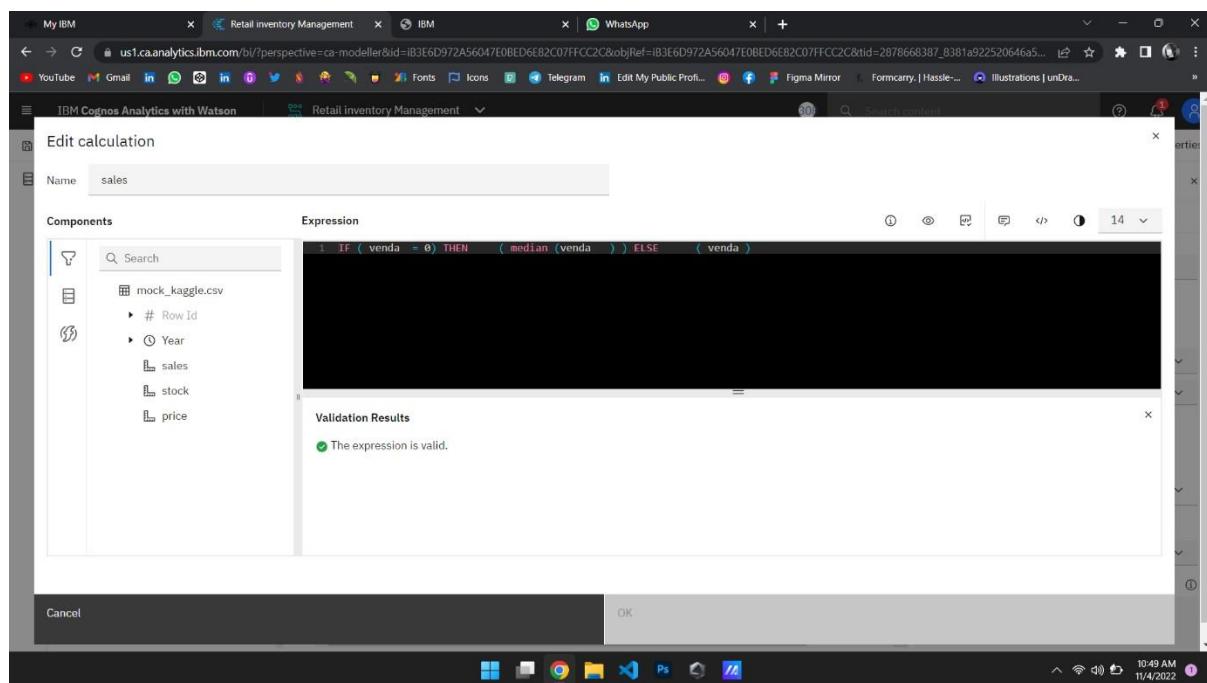
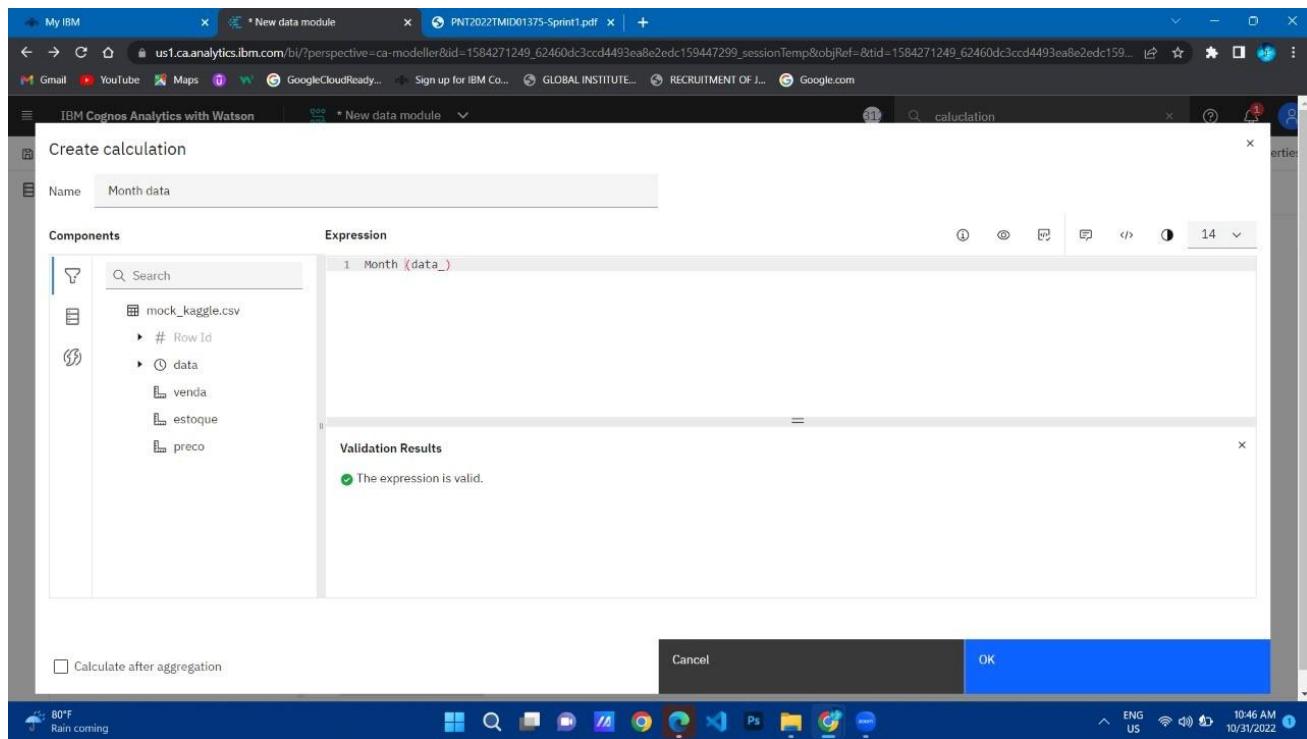
Load the Dataset:

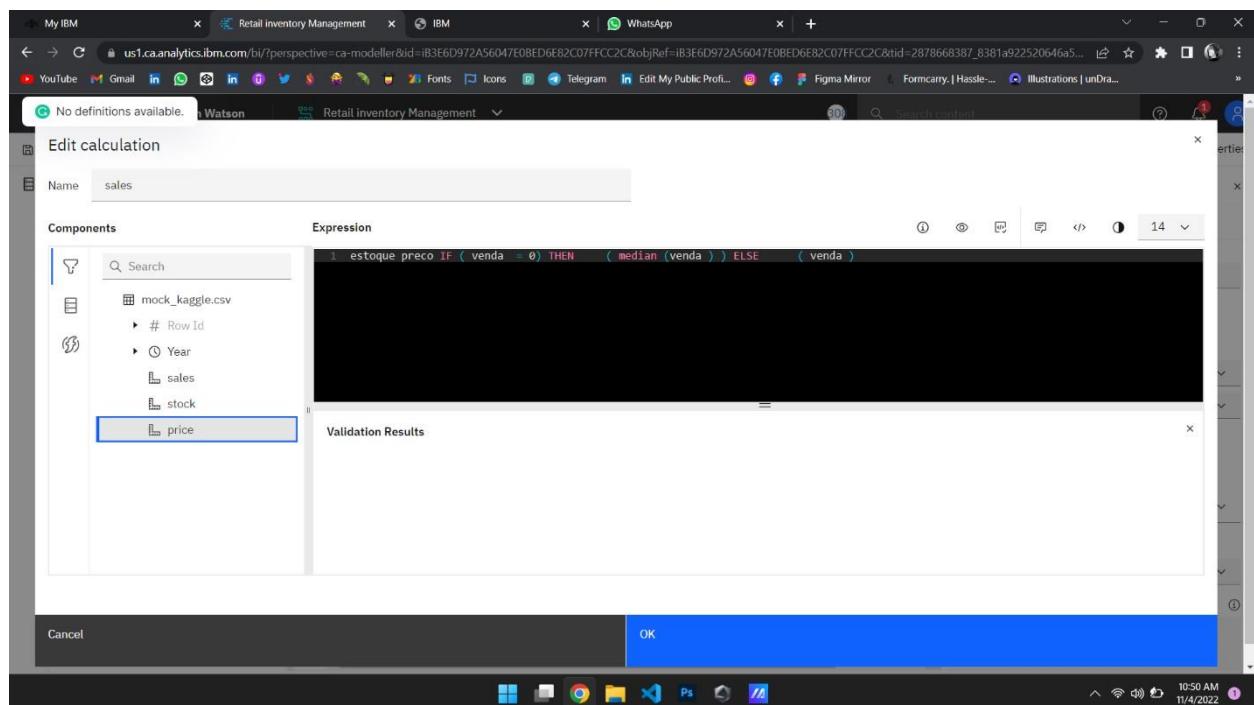
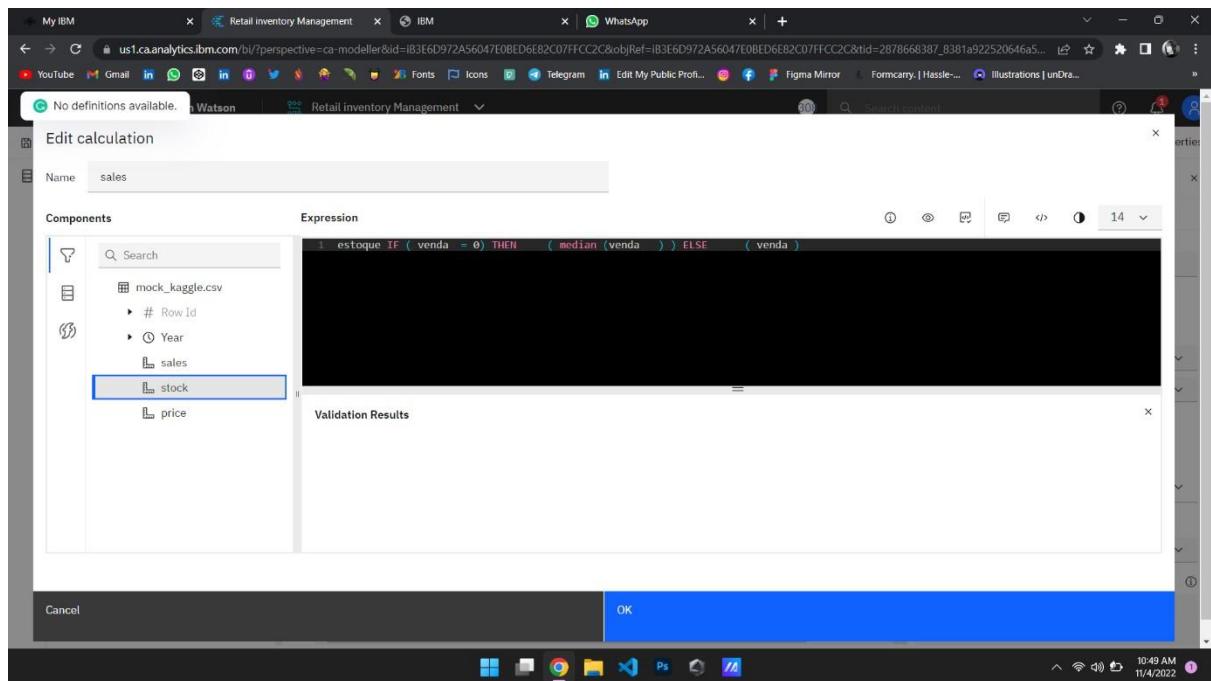
Tool used – IBM Cognos

The screenshot shows the IBM Cognos Analytics with Watson interface. At the top, there is a browser header with tabs for 'My IBM', 'Content', 'Retail Store Stock Inventory - Go...', and 'PNT2022TMID01375-Sprint1.pdf'. Below the header, the URL is 'us1.ca.analytics.ibm.com/b//?perspective=content&tab=myContent&folder=i682ECC03DE384F2BBE13E94B27C40FC7'. The main content area is titled 'Content' and has tabs for 'My content' (which is selected), 'Team content', and 'Samples'. A green notification bar at the top right says 'mock_kaggle.csv was uploaded successfully.' with a 'Hide Details' button. The main grid displays several datasets: '50_startups.csv' (last accessed 9/16/2022, 3:23 AM), 'bank (1).csv' (last accessed 9/18/2022, 11:49 PM), 'bikebuyer.csv' (last accessed 9/14/2022, 9:02 AM), 'mock_kaggle.csv' (last accessed 10/31/2022, 12:06 AM), 'Olympic Events.xlsx', 'Olympic Medals.xlsx', 'Pharma_Monthly_Sales.csv', and 'pharmacy data'. Each dataset has a 'CSV' download icon. The bottom of the screen shows a Windows taskbar with icons for File Explorer, Search, Task View, Microsoft Edge, Google Chrome, and others, along with system status icons like battery level, signal strength, and date/time.



Month data:





IBM Cognos Analytics with Watson

Retail inventory Management

Grid

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

IBM Cognos Analytics with Watson

Retail inventory Management

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13	2014-01-13	134	4984	1.09

This screenshot shows a data module named "Retail inventory Management" in IBM Cognos Analytics. The left sidebar lists navigation paths and a file named "mock_kaggle.csv". The main area displays a grid of data with columns: Row Id, Year, sales, stock, and price. The "price" column is currently selected.

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
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12	2014-01-12	121	5118	1.09
13	2014-01-13	134	4984	1.09

Stock-Format Data:

This screenshot shows the "Data format" dialog for the "stock" column. The "Format type" dropdown is set to "Number". Under "Number", the "Decimal places" dropdown is set to "No". Other options like "Thousands separator" and "Negative sign position" are also visible. To the right, a preview grid shows the data with the "stock" and "price" columns highlighted.

Column:	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 'Data format' dialog box in IBM Cognos Analytics. The 'Column' dropdown is set to 'Sales'. The 'Format type' dropdown is set to 'Number'. Under 'Number' format settings, the 'Decimal places' field is set to 'Default'. The 'Thousands separator' dropdown is set to 'No'. The 'Negative sign position' dropdown is set to 'Default'. The 'Missing value characters' dropdown is set to '<empty>'. The background shows a table with columns 'stock' and 'price', and a list of dates from 2014-01-05 to 2014-01-15.

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

Price-Format Data:

The screenshot shows the 'Data format' dialog box in IBM Cognos Analytics. The 'Column' dropdown is set to 'price'. The 'Format type' dropdown is set to 'Number'. Under 'Number' format settings, the 'Decimal places' field is set to '2'. The 'Thousands separator' dropdown is set to 'No'. The 'Negative sign position' dropdown is set to 'Default'. The 'Missing value characters' dropdown is set to '<empty>'. The 'OK' button is highlighted. The background shows a table with columns 'stock' and 'price', and a list of dates from 2014-01-05 to 2014-01-15.

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

Revenue-Format Data:

The screenshot shows a browser window with multiple tabs open. The active tab is titled 'New data module'. On the left, there's a sidebar labeled 'Data module' with a tree view showing 'New data module', 'Navigation paths', 'mock_ka...[1].csv', 'M data', and 'revenue data'. Under 'revenue data', there are several entries under '# Row Id' and 'Year' (2014-01-01 to 2014-01-08). A modal dialog box is centered over the page, titled 'Data format'. It has a section for 'Column: revenue data' and 'Format type: Number'. Under 'Number', there are four dropdown menus: 'Number of decimal places' set to 0, 'Negative sign symbol' set to 'Default', 'Use thousands separator' set to 'No', and 'Missing value characters' set to '<empty>'. At the bottom of the dialog are 'Advanced options' and 'Reset properties' buttons.

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

Prepared data link –

https://us1.ca.analytics.ibm.com/bi/?perspective=camodeller&pathRef=.my_folders%2Fproject%2Bdevelopment%2Bphase%2FSprint-1%2FRetail%2Binventory%2BManagement