

Project Development Phase Delivery of Sprint-1

Team ID	PNT2022TMID39737
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

- Charan B
- Gowtham S
- Jayakumar N
- Akash Vishwa SG



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Sprint-1:

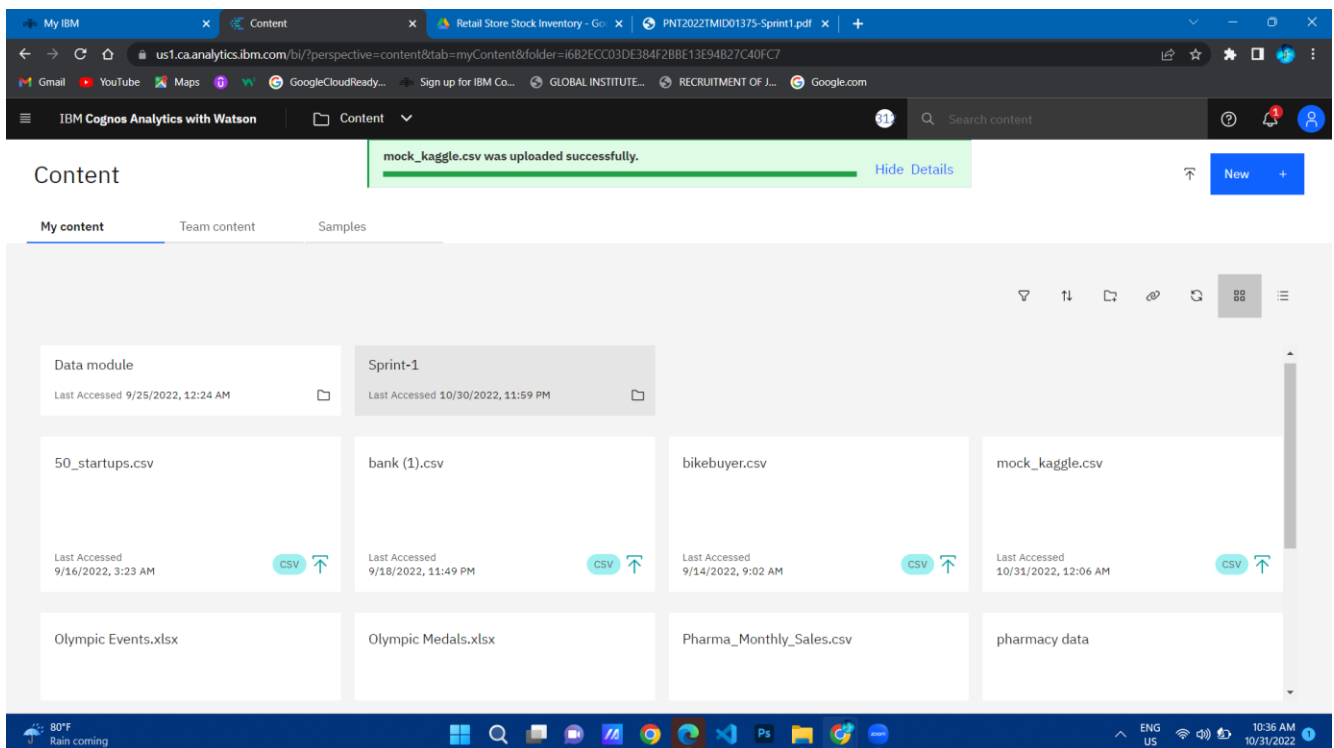
Data Collection:

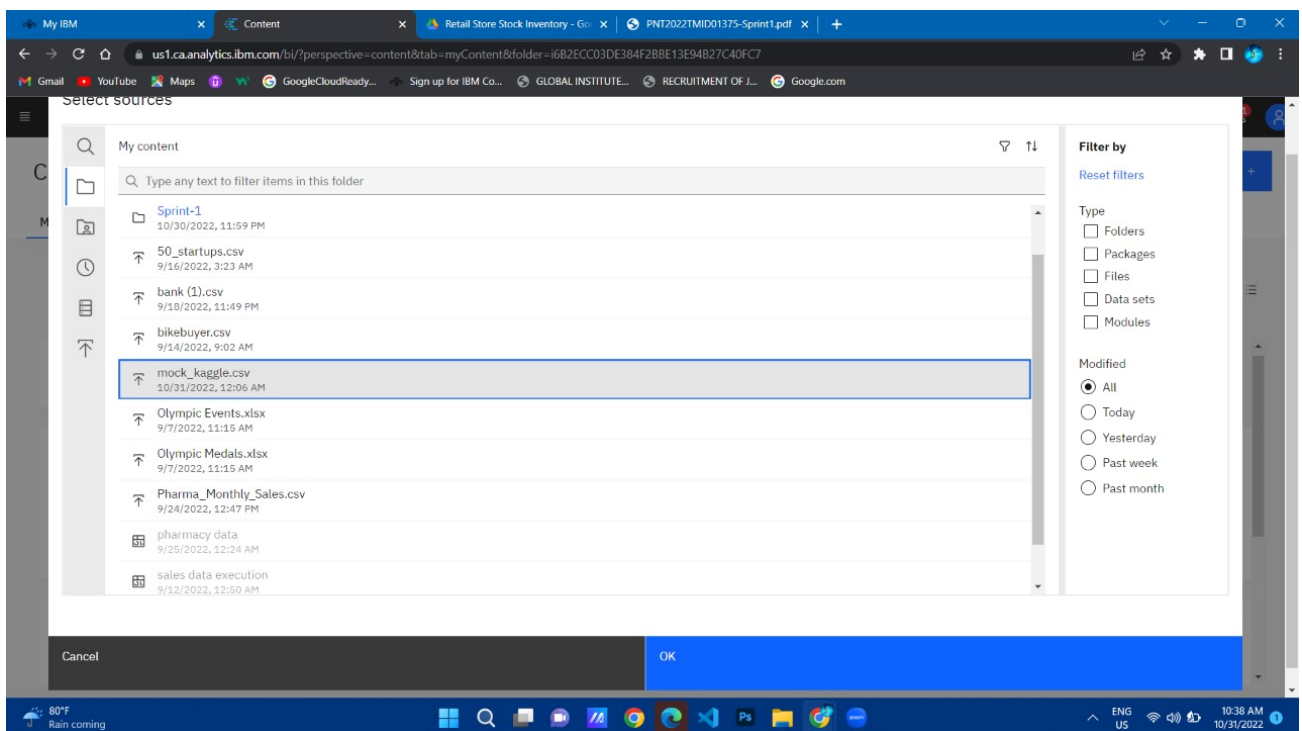
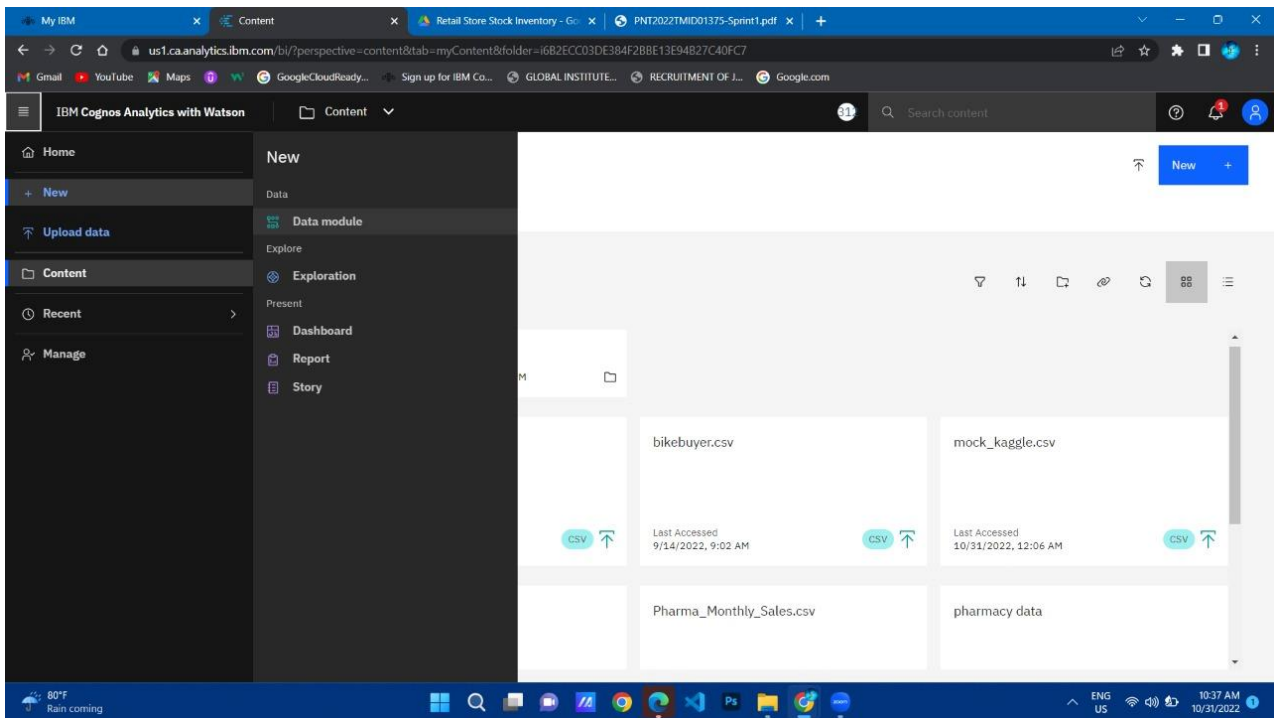
Download the Dataset

Dataset link - <https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy>

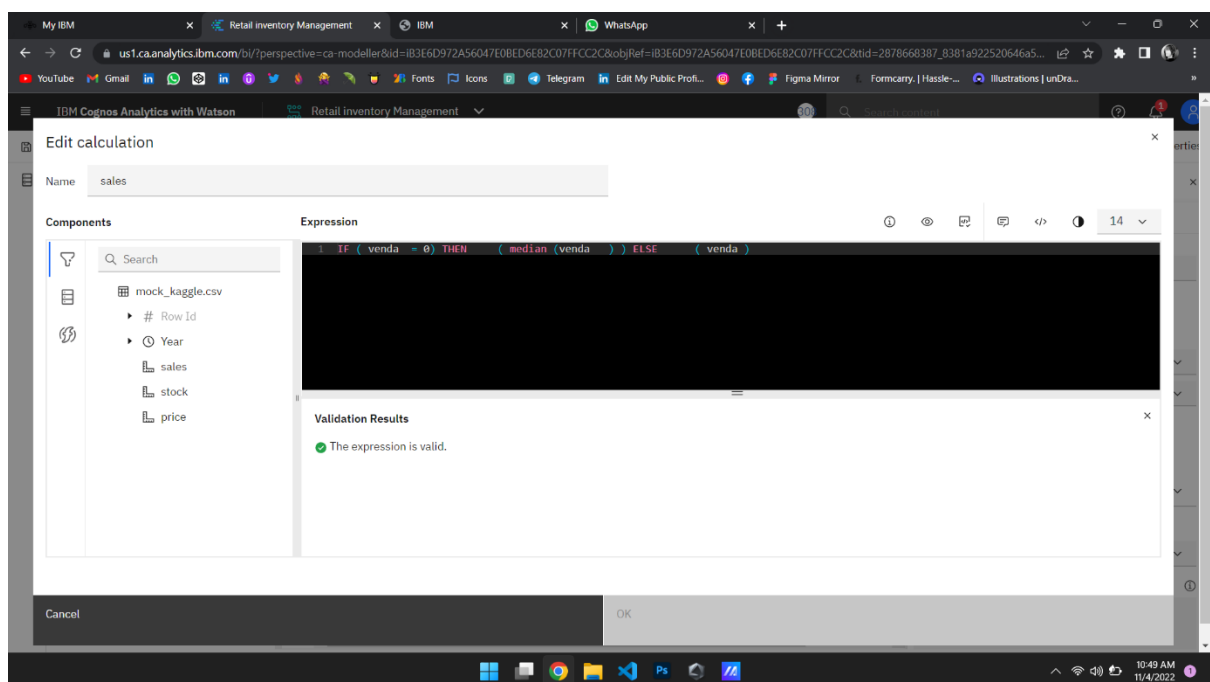
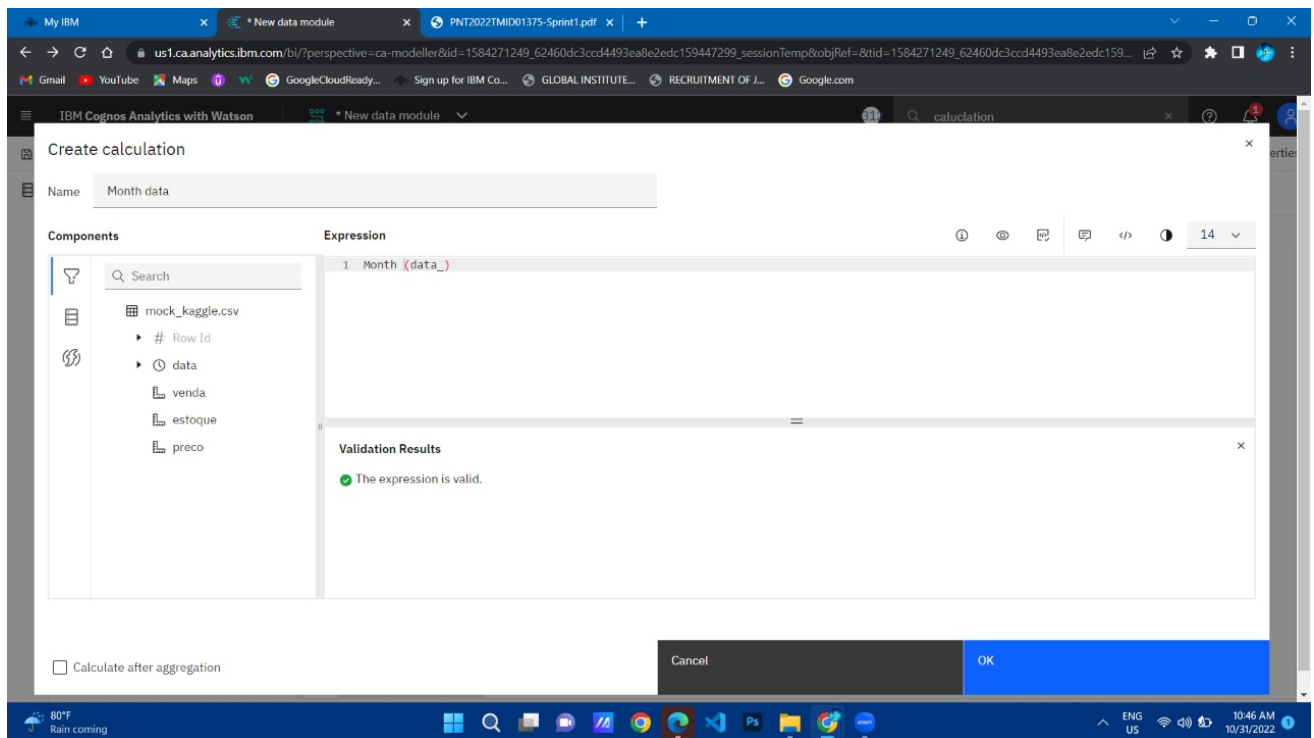
Load the Dataset:

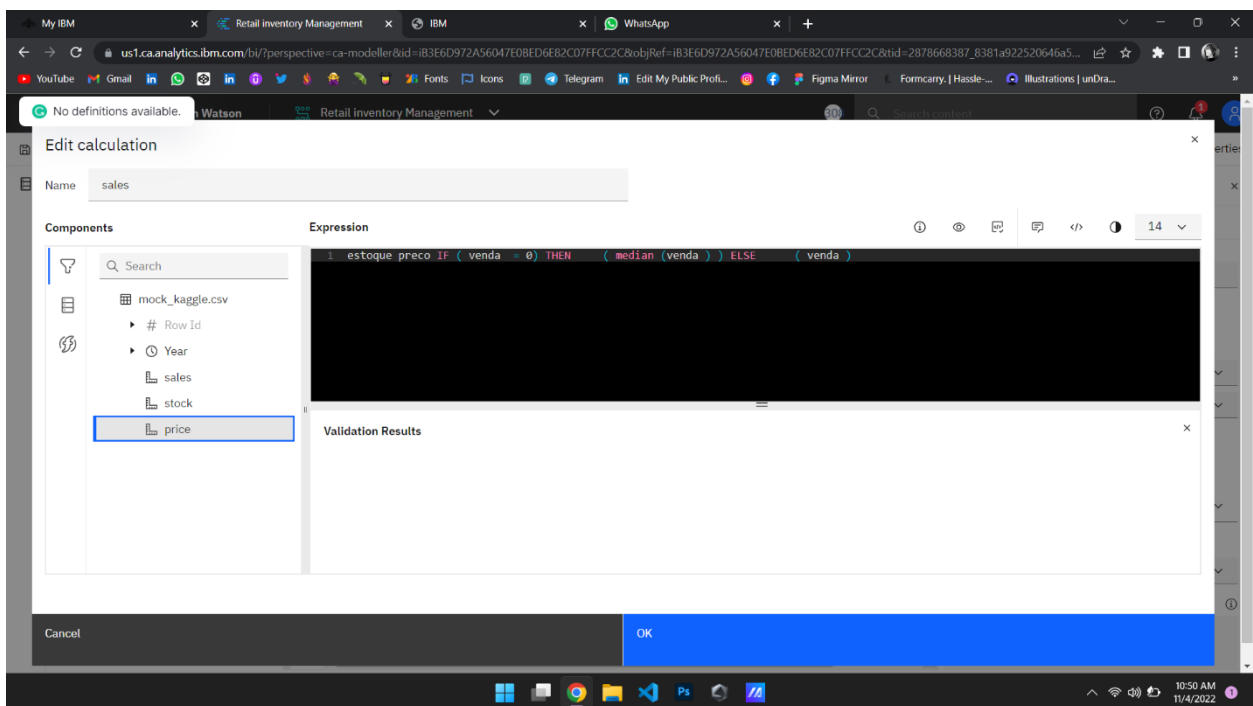
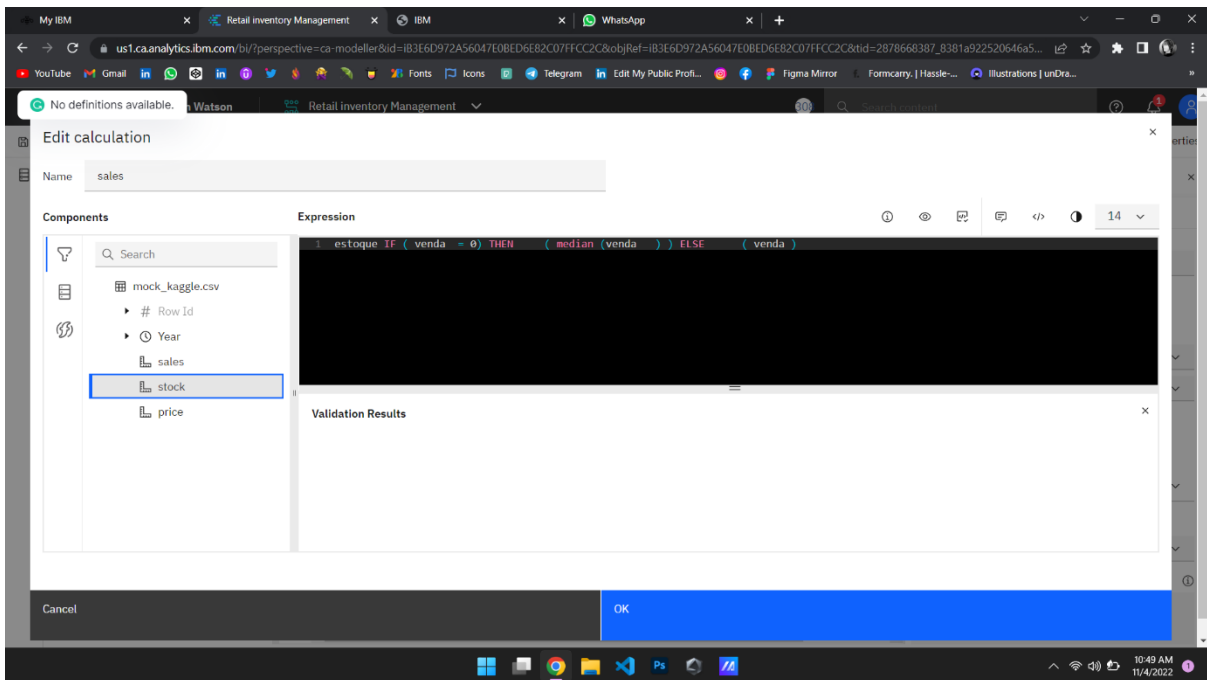
Tool used – IBM Cognos





Month data:





My IBM Retail inventory Management IBM WhatsApp

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=ib3e6d972a56047e0bed6e82c07fcc2c&objRef=ib3e6d972a56047e0bed6e82c07fcc2c&tid=2878668387_8381a922520646a5...

IBM Cognos Analytics with Watson Retail inventory Management

Data module

Search

Retail inventory Management

Navigation paths

mock_kaggle.csv

Row Id

Year

sales

stock

price

Grid Relationships Custom tables

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

10:51 AM 11/4/2022

My IBM Retail inventory Management IBM WhatsApp

us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=ib3e6d972a56047e0bed6e82c07fcc2c&objRef=ib3e6d972a56047e0bed6e82c07fcc2c&tid=2878668387_8381a922520646a5...

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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

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The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the 'Retail inventory Management' dataset with columns: Row Id, Year, sales, stock, and price. The main area displays a table with 13 rows of data.

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
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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 for the 'stock' column. The 'Format type' is set to 'Number'. The 'Use thousands separator' option is selected, and the 'Number of decimal places' is set to 'Default'. The 'Reset properties' button is visible at the bottom right.

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. A 'Data format' dialog box is open for the 'Sales' column. The 'Format type' is set to 'Number'. The 'Number of decimal places' is set to 'Default'. The 'Negative sign symbol' is set to 'Default'. The 'Use thousands separator' is set to 'No'. The 'Negative sign position' is set to 'Default'. The 'Missing value characters' are set to '<empty>'. The background shows a table with columns 'stock' and 'price'.

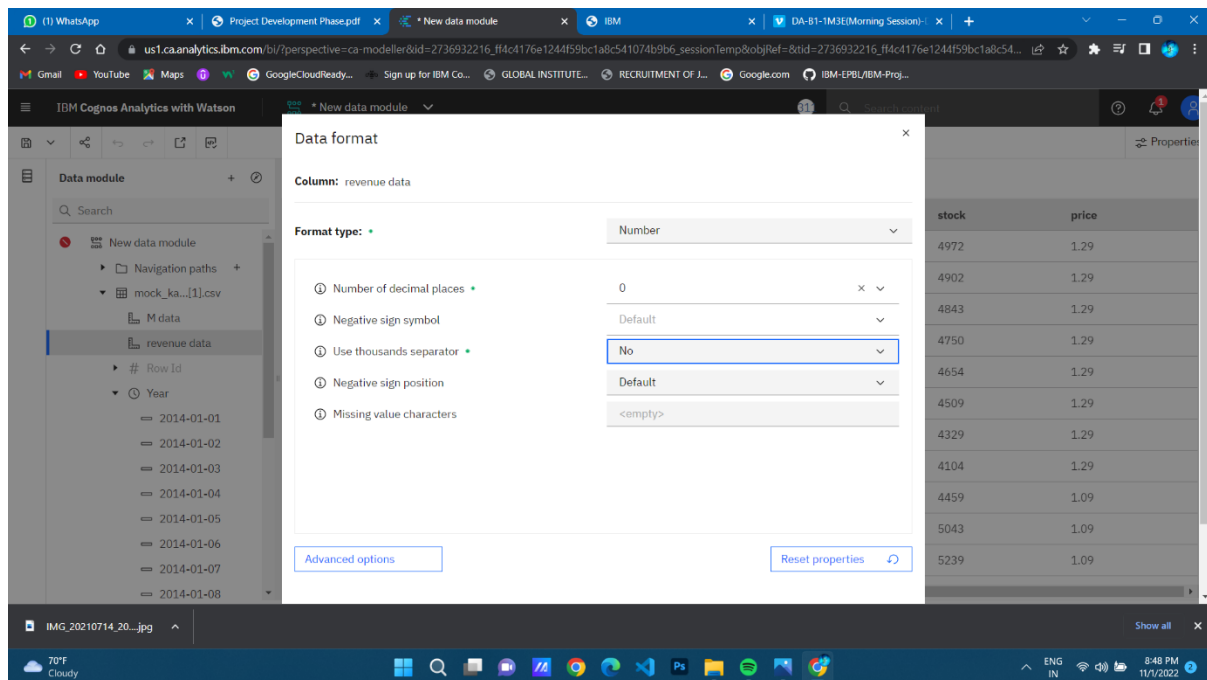
stock	price
4972	1.29
4902	1.29
4843	1.29
4750	1.29
4654	1.29
4509	1.29
4329	1.29
4104	1.29
4459	1.09
5043	1.09
5239	1.09

Price-Format Data:

The screenshot shows the IBM Cognos Analytics interface. A 'Data format' dialog box is open for the 'price' column. The 'Format type' is set to 'Number'. The 'Number of decimal places' is set to '2'. The 'Negative sign symbol' is set to 'Default'. The 'Use thousands separator' is set to 'No'. The 'Negative sign position' is set to 'Default'. The 'Missing value characters' are set to '<empty>'. The background shows a table 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

Revenue-Format Data:



Prepared data link –

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