

RETAIL STORE STOCK INVENTORY ANALYTICS

Delivery of Sprint - 1

Date	25 October 2022
Team ID	PNT2022TMID50994
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

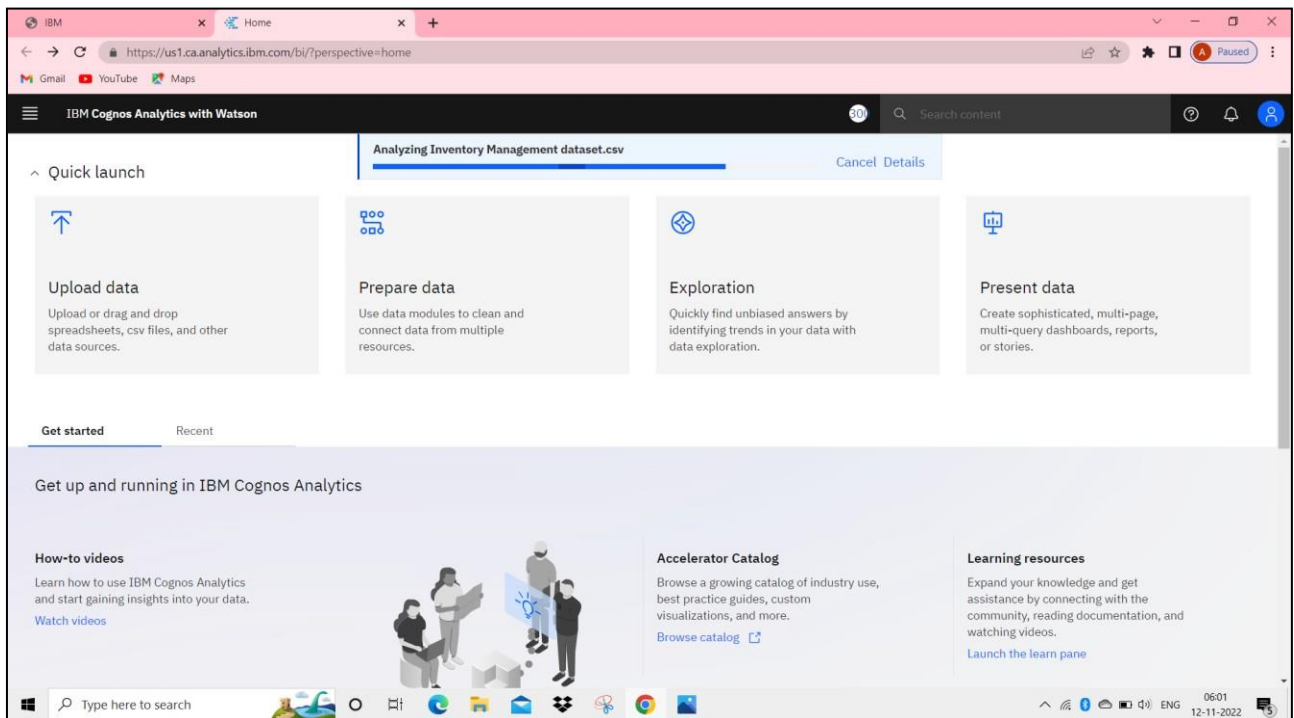
The screenshot displays the Microsoft Excel application window. The title bar reads "Inventory Management dataset - Excel". The ribbon is set to the "Home" tab, showing options for Font, Paragraph, Styles, Cells, and Editing. The spreadsheet area contains data in columns A through D, with rows 1 through 29. The data is as follows:

	A	B	C	D
1	data	venda	estoque	preço
2	#####	0	4972	1.29
3	#####	70	4902	1.29
4	#####	59	4843	1.29
5	#####	93	4750	1.29
6	#####	96	4654	1.29
7	#####	145	4509	1.29
8	#####	179	4329	1.29
9	#####	321	4104	1.29
10	#####	125	4459	1.09
11	#####	88	5043	1.09
12	#####	188	5239	1.09
13	#####	121	5118	1.09
14	#####	134	4984	1.09
15	#####	80	4904	1.09
16	#####	82	4822	1.09
17	#####	94	4728	1.19
18	#####	159	4464	1.19
19	#####	199	4265	1.19
20	#####	104	4161	1.19
21	#####	70	4091	1.19
22	#####	127	3964	1.09
23	#####	96	3868	1.09
24	#####	75	3763	1.09
25	#####	198	3595	1.09
26	#####	168	3427	1.09
27	#####	125	3302	1.09
28	#####	86	3216	1.09
29	#####	222	2904	0.99

The status bar at the bottom indicates "Ready", "Accessibility: Unavailable", and the date "12-11-2022".

2. Load the Dataset to IBM Cognos

Tool Used: IBM Cognos



3. Inventory Data

The screenshot shows the IBM Cognos Analytics with Watson interface, specifically the 'Inventory Module' data module. The top navigation bar includes the IBM logo, a search bar, and a user profile icon. The main content area is titled 'Inventory Module' and features a 'Data module' section on the left with a search bar and a list of data modules: 'Inventory Module', 'Navigation paths', 'Inventory M...ataset.csv', 'Revenue', 'M_Data', 'Row Id', 'Year', 'sales', 'Stock', and 'Price'. The 'Inventory M...ataset.csv' module is selected, and its data is displayed in a table. The table has columns for 'Revenue', 'M_Data', 'Row Id', 'Year', 'sales', 'Stock', and 'Price'. The data is organized into a grid with 12 rows and 7 columns. A 'Maintenance' banner at the top indicates that scheduled maintenance has been completed.

Revenue	M_Data	Row Id	Year	sales	Stock	Price
0	1	1	1/1/14	0	4972	1
90.3	1	2	1/2/14	70	4902	1
76.11	1	3	1/3/14	59	4843	1
119.97	1	4	1/4/14	93	4750	1
123.84	1	5	1/5/14	96	4654	1
187.05	1	6	1/6/14	145	4509	1
230.91	1	7	1/7/14	179	4329	1
414.09000000000003	1	8	1/8/14	321	4104	1
136.25	1	9	1/9/14	125	4459	1
95.92	1	10	1/10/14	88	5043	1
204.92000000000002	1	11	1/11/14	188	5239	1
131.89000000000001	1	12	1/12/14	121	5118	1

4. Format of M_Data

The screenshot displays the IBM Cognos Analytics interface. On the left, the 'Data module' pane shows a tree structure with 'M_Data' selected. The main area shows a grid of data for 'M_Data' with columns: Row Id, data, venda, and estoque. The grid contains 13 rows of data. On the right, the 'Properties' pane is open, showing the 'General' tab for 'M_Data'. The properties include: Label (M_Data), Hide from users (toggle off), Expression (View or edit), Usage (Attribute), Aggregate (Count Distinct), Data type (Integer), Represents (Time), and Month (dropdown).

Row Id	data	venda	estoque
1	2014-01-01	0	4972
2	2014-01-02	70	4902
3	2014-01-03	59	4843
4	2014-01-04	93	4750
5	2014-01-05	96	4654
6	2014-01-06	145	4509
7	2014-01-07	179	4329
8	2014-01-08	321	4104
9	2014-01-09	125	4459
10	2014-01-10	88	5043
11	2014-01-11	188	5239
12	2014-01-12	121	5118
13	2014-01-13	134	4984

The screenshot shows the 'Data format' dialog box for the 'M_Data' column. The 'Format type' is set to 'Date'. The 'Date separator' is set to '/', the 'Date style' is set to 'Short', the 'Date ordering' is set to 'Default', and the 'Missing value characters' are set to '<empty>'. There are buttons for 'Advanced options', 'Reset properties', 'Cancel', and 'OK'.

Column: M_Data

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

5. Format of Year

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Properties

General Navigation paths

Label Year

Hide from users

Expression View or edit

Usage Attribute

Aggregate Count Distinct

Data type Date

Represents

Time

Year

Lookup reference None

Description

Year	sales	Stock	Price
2014-01-01	0	4972	1.29
2014-01-02	70	4902	1.29
2014-01-03	59	4843	1.29
2014-01-04	93	4750	1.29
2014-01-05	96	4654	1.29
2014-01-06	145	4509	1.29
2014-01-07	179	4329	1.29
2014-01-08	321	4104	1.29
2014-01-09	125	4459	1.09
2014-01-10	88	5043	1.09
2014-01-11	188	5239	1.09
2014-01-12	121	5118	1.09
2014-01-13	134	4984	1.09

IBM Cognos Analytics with Watson

New data module

Data format

Column: Year

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

6. Format of Stock

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the 'Stock' column under the 'Inventory M...atasset.csv' dataset. The main area displays a table with 13 rows of data. The 'Properties' panel on the right shows the 'General' tab for the 'Stock' column.

Row Id	data	sales	Stock
1	2014-01-01	0	4972
2	2014-01-02	70	4902
3	2014-01-03	59	4843
4	2014-01-04	93	4750
5	2014-01-05	96	4654
6	2014-01-06	145	4509
7	2014-01-07	179	4329
8	2014-01-08	321	4104
9	2014-01-09	125	4459
10	2014-01-10	88	5043
11	2014-01-11	188	5239
12	2014-01-12	121	5118
13	2014-01-13	134	4984

Properties panel (General tab):

- Label: Stock
- Hide from users: ☐
- Expression: [View or edit](#)
- Usage: Measure
- Aggregate: Total
- Data type: Integer
- Represents:
- Default:
- Lookup reference: None
- Description:

The screenshot shows the 'Data format' dialog box for the 'Stock' column. The 'Format type' is set to 'Number'. The 'Use thousands separator' is set to 'No'. The 'Number of decimal places' is set to 0. The 'Negative sign symbol' is set to 'Default'. The 'Negative sign position' is set to 'Default'. The 'Missing value characters' are set to '<empty>'. The 'Advanced options' button is visible at the bottom left, and the 'Reset properties' button is visible at the bottom right. The 'Cancel' and 'OK' buttons are at the bottom.

Column: Stock

Format type: Number

① Number of decimal places: 0

① Negative sign symbol: Default

① Use thousands separator: No

① Negative sign position: Default

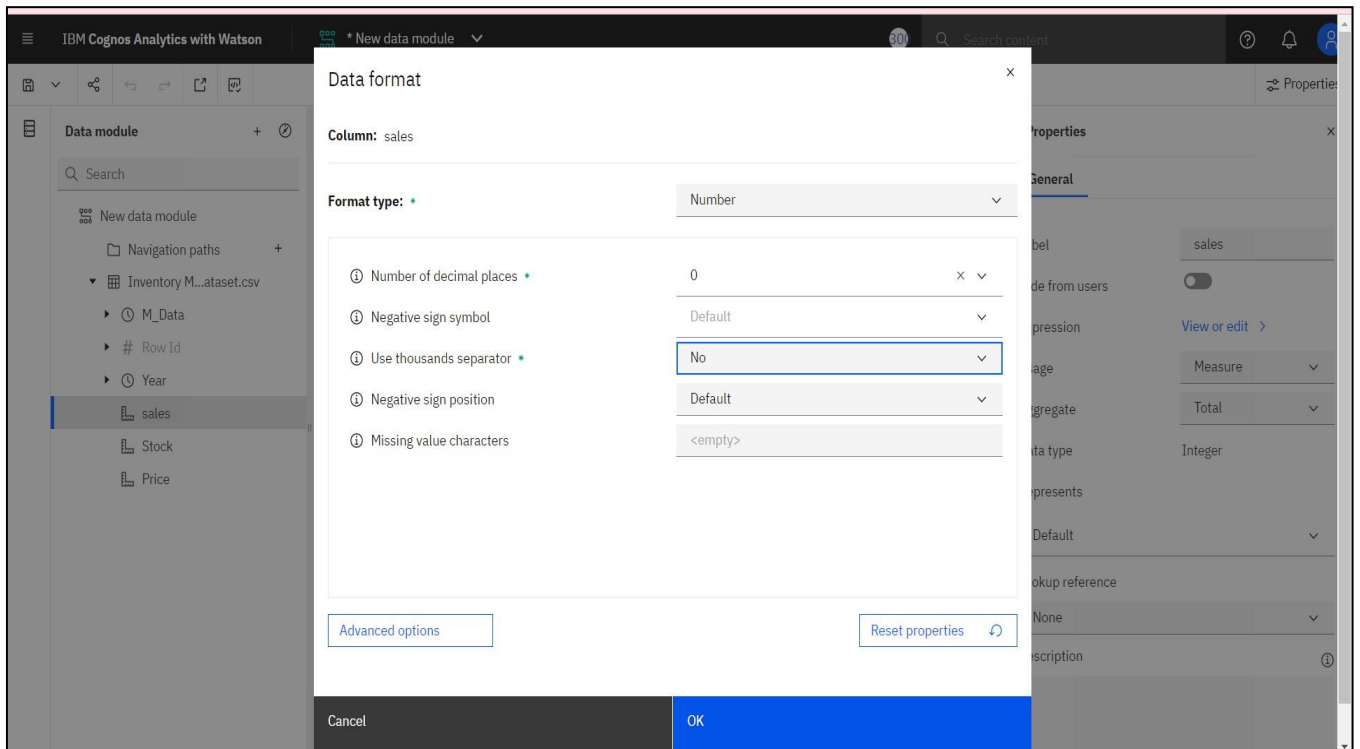
① Missing value characters: <empty>

Advanced options

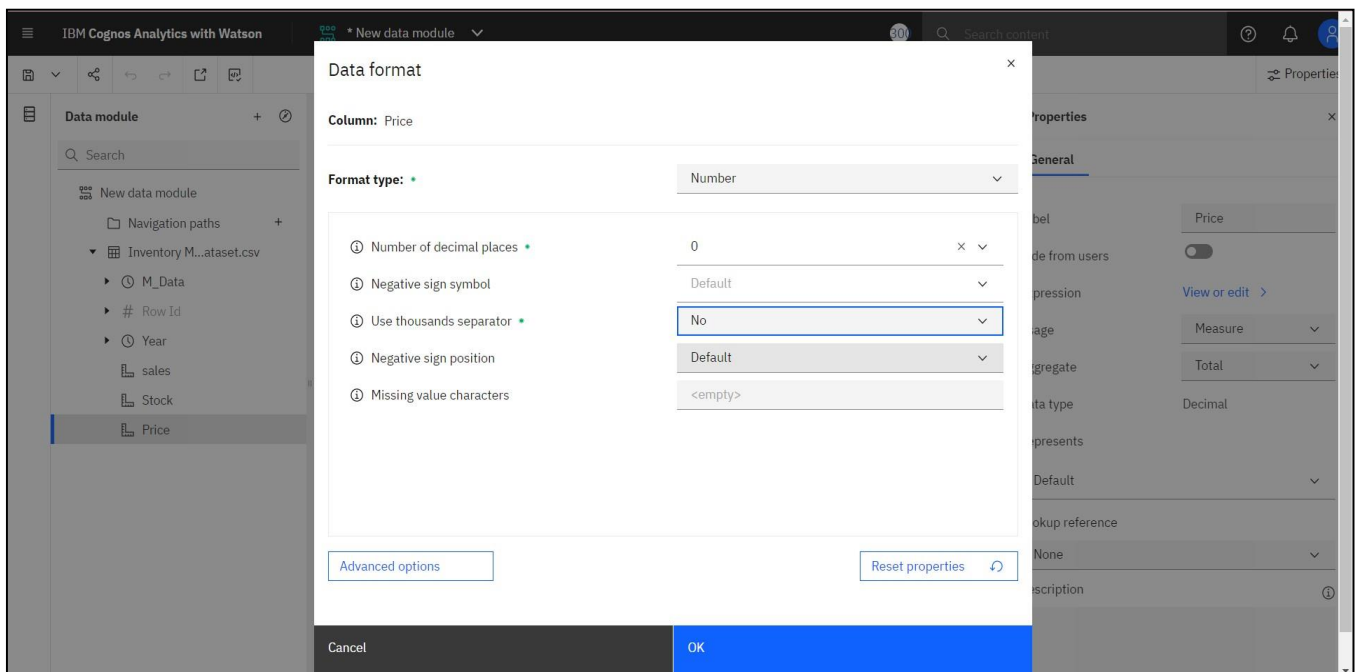
Reset properties

Cancel OK

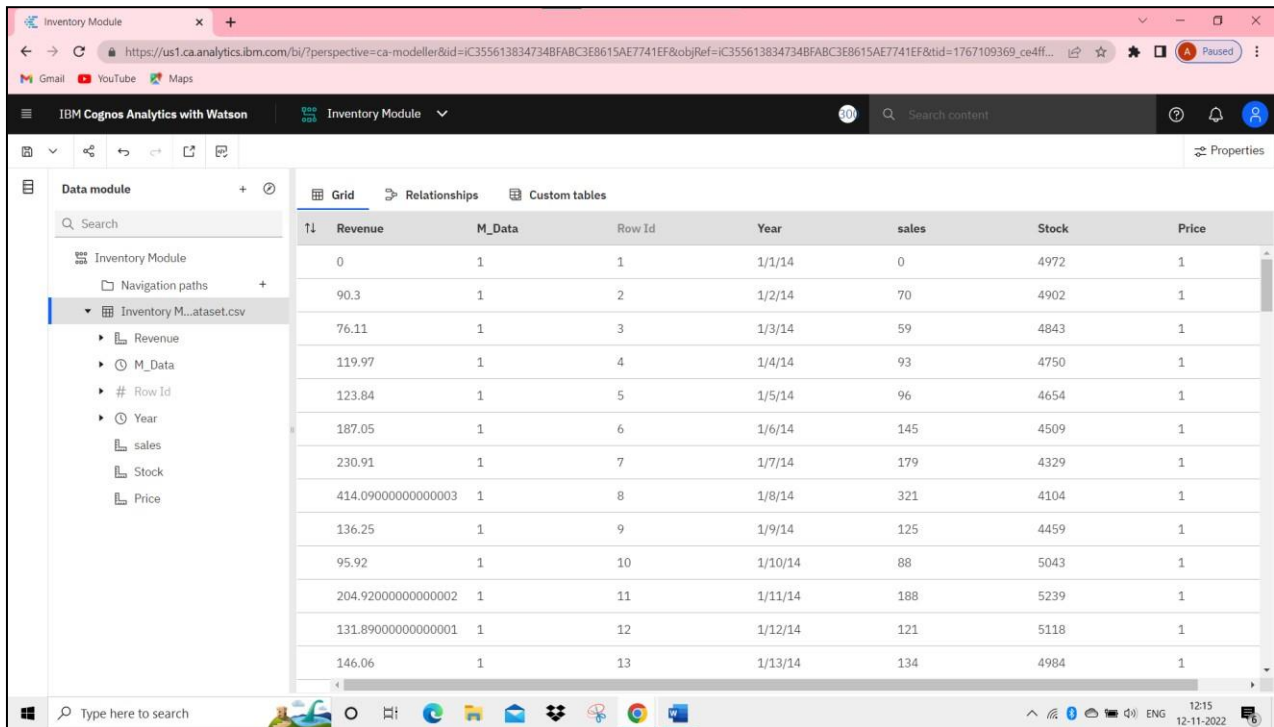
7. Format of Sales



8. Format of Price



Pre Processed Data:



The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows a URL from us1.ca.analytics.ibm.com. The application header includes 'IBM Cognos Analytics with Watson' and 'Inventory Module'. On the left, a 'Data module' sidebar lists various data sources, with 'Inventory M...ataset.csv' selected. The main area shows a table with columns: Revenue, M_Data, Row Id, Year, sales, Stock, and Price. The table contains 13 rows of data, with the first row having a 'Revenue' of 0 and the last row having a 'Revenue' of 146.06. The interface also includes a search bar, navigation icons, and a Windows taskbar at the bottom.

Revenue	M_Data	Row Id	Year	sales	Stock	Price
0	1	1	1/1/14	0	4972	1
90.3	1	2	1/2/14	70	4902	1
76.11	1	3	1/3/14	59	4843	1
119.97	1	4	1/4/14	93	4750	1
123.84	1	5	1/5/14	96	4654	1
187.05	1	6	1/6/14	145	4509	1
230.91	1	7	1/7/14	179	4329	1
414.09000000000003	1	8	1/8/14	321	4104	1
136.25	1	9	1/9/14	125	4459	1
95.92	1	10	1/10/14	88	5043	1
204.92000000000002	1	11	1/11/14	188	5239	1
131.89000000000001	1	12	1/12/14	121	5118	1
146.06	1	13	1/13/14	134	4984	1

Prepared Dataset Link:

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FInventory%2BModule

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