

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

Team ID	PNT2022TMID28164
Project Name	Retail Store Stock Inventory Analytics

**Project Development Phase:**

<b>SPRINT-1</b>	<ul style="list-style-type: none"><li>➤ Data Collection</li><li>➤ Data Preparation</li></ul>
<b>SPRINT-2</b>	<ul style="list-style-type: none"><li>➤ Data Exploration</li></ul>
<b>SPRINT-3</b>	<ul style="list-style-type: none"><li>➤ Dashboard Creation</li></ul>
<b>SPRINT-4</b>	<ul style="list-style-type: none"><li>➤ Report Creation</li><li>➤ Story Creation</li></ul>

# TEAM ID: PNT2022TMID28164

## Project Contributors:

- Siddharth Bharathi S
- Shyam S
- Sanjeev S
- Ruben Leander Cyriac

## Sprint-1:

## Data Collection:

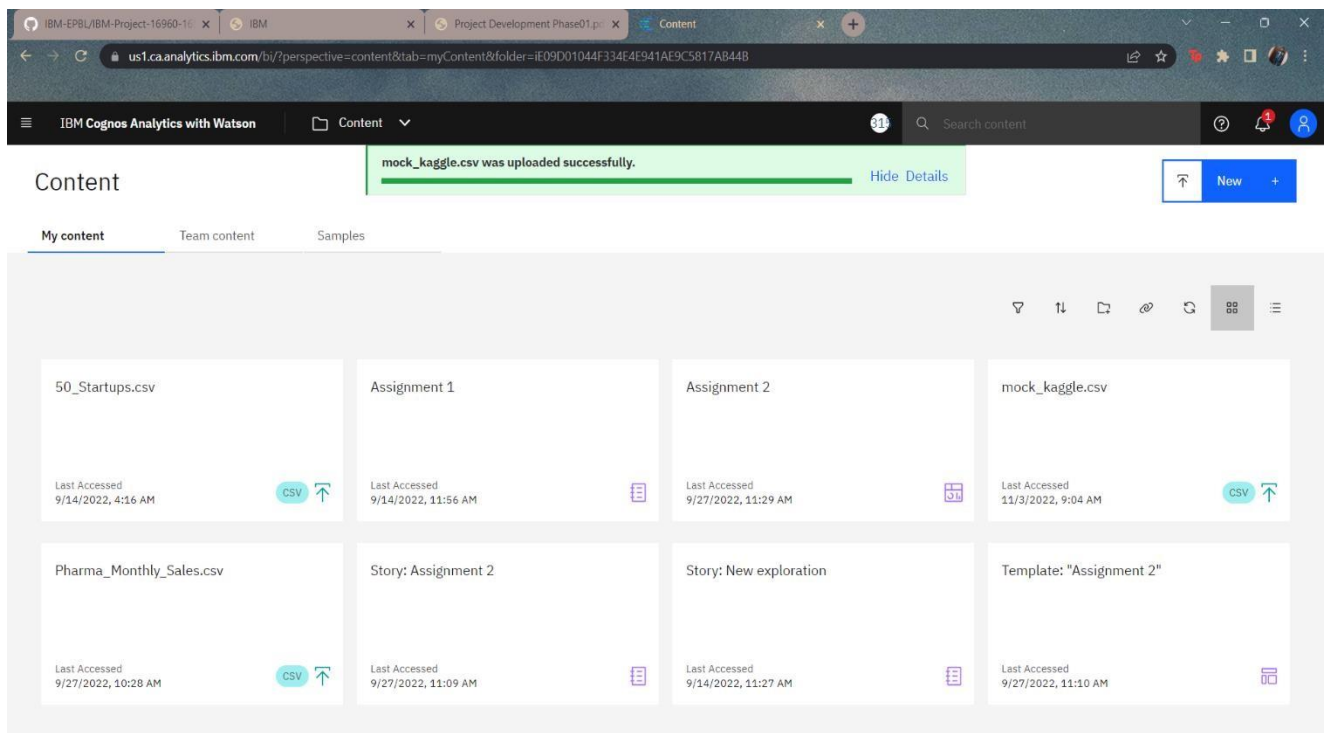
Download the Dataset

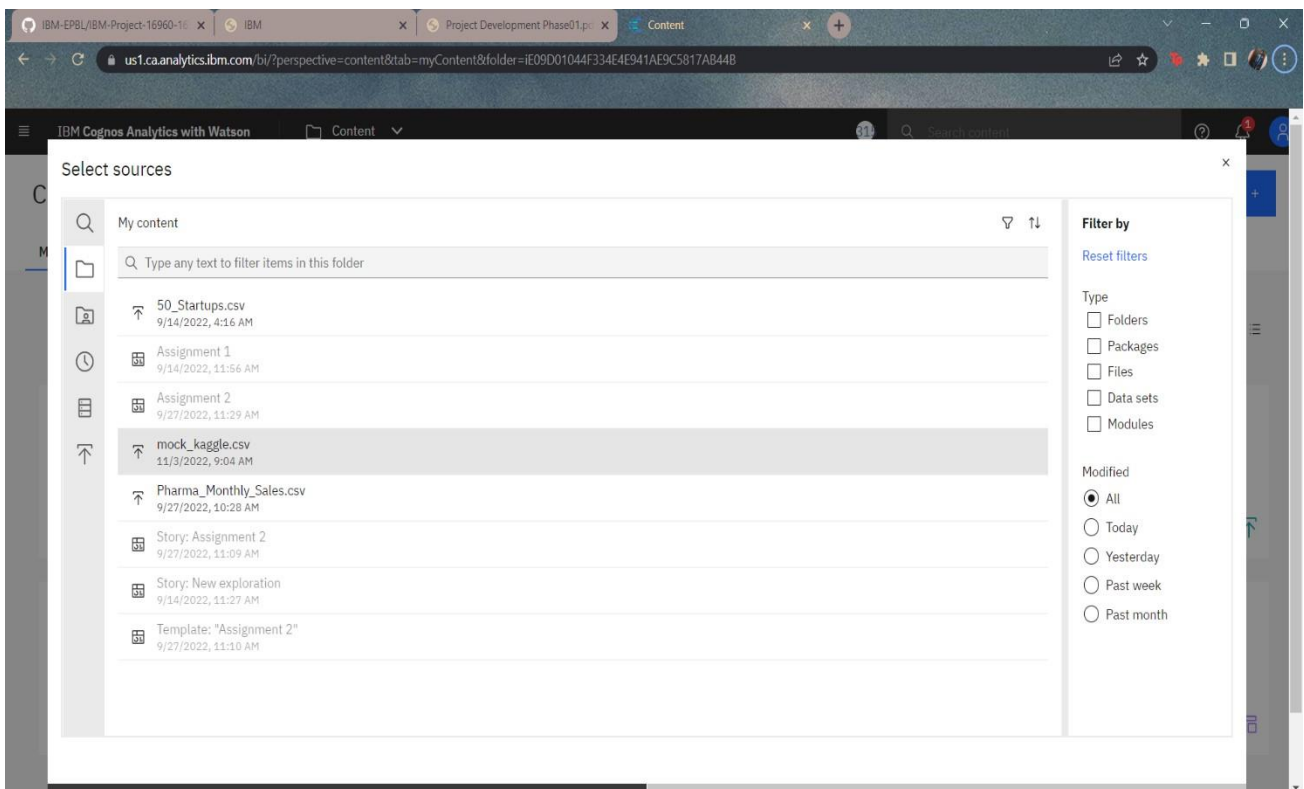
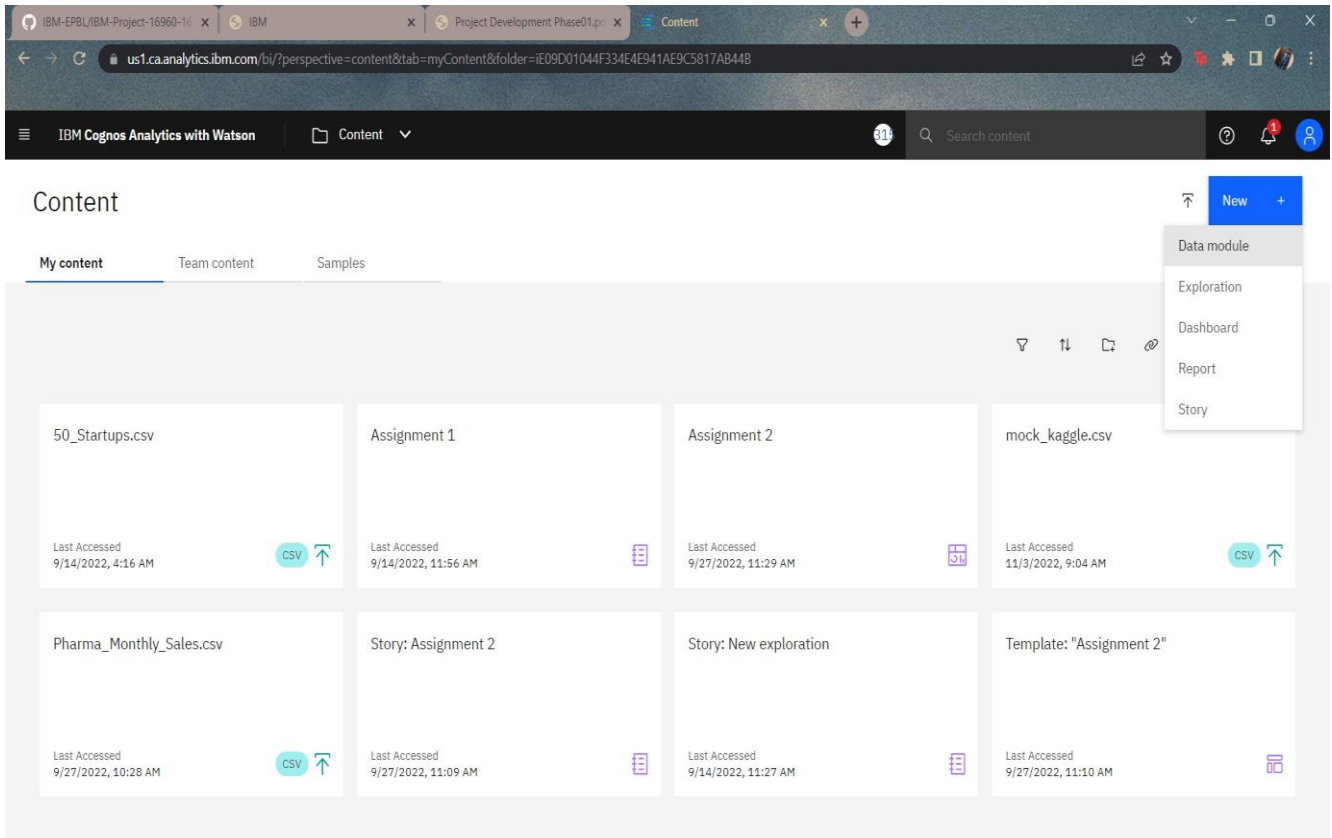
Dataset link -

[https://drive.google.com/drive/folders/19i\\_7c1pN8A0kAzoTuz2Ppy1Z2cUvnDXu?usp=sharing](https://drive.google.com/drive/folders/19i_7c1pN8A0kAzoTuz2Ppy1Z2cUvnDXu?usp=sharing)

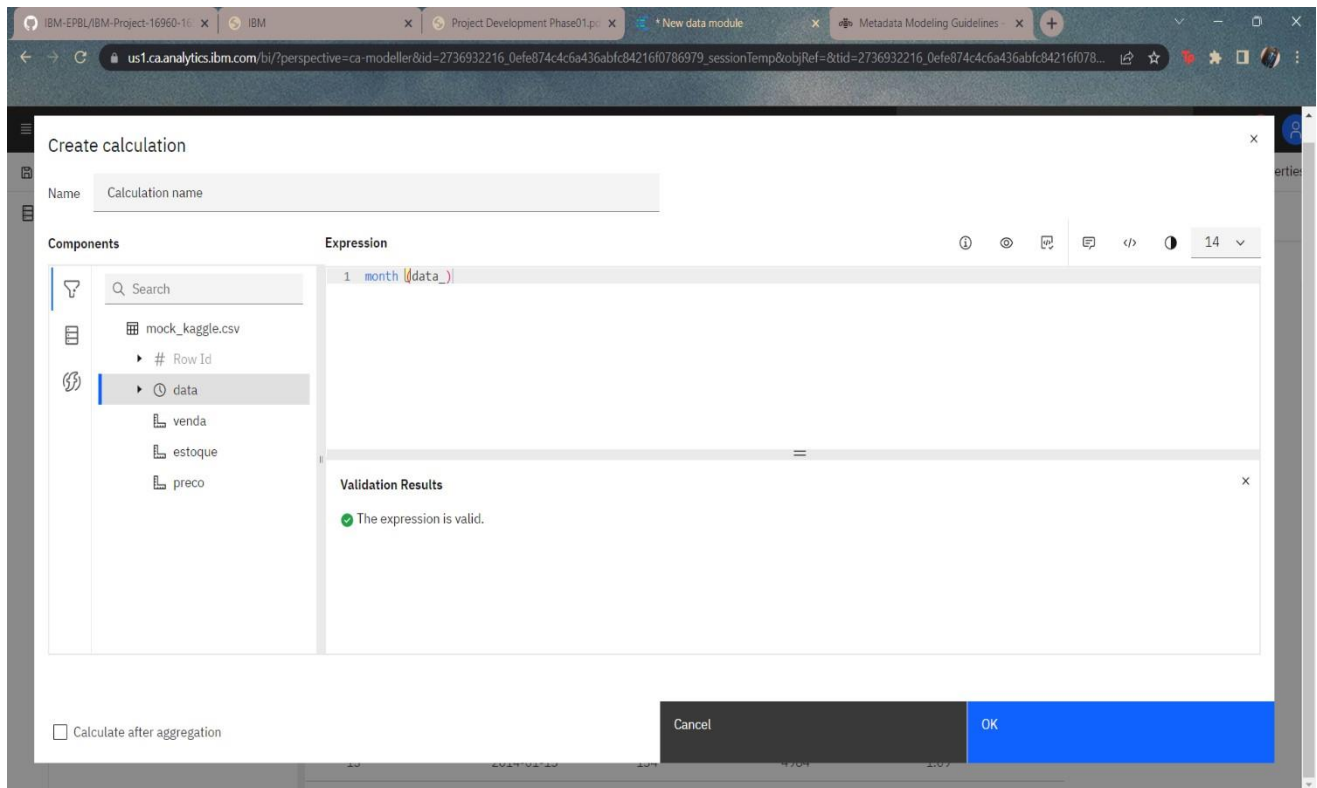
## Load the Dataset:

Tool used – IBM Cognos





## Month data:



The screenshot shows the main interface of IBM Analytics. The top navigation bar includes 'IBM Cognos Analytics with Watson', a search bar, and a user profile icon. The left sidebar shows a 'Data module' tree with 'mock\_kaggle.csv' expanded, and 'Month Data' selected. The main area displays a table with the following data:

	Month Data	Row Id	data	venda	estoque	preco
1		1	2014-01-01	0	4972	1.29
1		2	2014-01-02	70	4902	1.29
1		3	2014-01-03	59	4843	1.29
1		4	2014-01-04	93	4750	1.29
1		5	2014-01-05	96	4654	1.29
1		6	2014-01-06	145	4509	1.29
1		7	2014-01-07	179	4329	1.29
1		8	2014-01-08	321	4104	1.29
1		9	2014-01-09	125	4459	1.09
1		10	2014-01-10	88	5043	1.09
1		11	2014-01-11	188	5239	1.09
1		12	2014-01-12	121	5118	1.09
1		13	2014-01-13	134	4984	1.09

## Revenue data:

The screenshot shows the IBM Cognos Analytics interface. The left sidebar displays the 'Data module' with a search bar and a tree view containing 'Sprint 1', 'Navigation paths', 'mock\_kaggle.csv', 'M data', and 'Revenue Data'. The 'Revenue Data' table is selected, and its fields are listed: '# Row Id', 'Year', 'Sales', 'Stock', and 'Price'. The main grid view shows the table with columns: 'Revenue Data', 'Row Id', 'Year', 'Sales', 'Stock', and 'Price'. The data rows show dates from Jan/1/2014 to Jan/13/2014, with corresponding sales, stock, and price values.

Revenue Data	Row Id	Year	Sales	Stock	Price
1	1	Jan/1/2014	0	4972	1.29
1	2	Jan/2/2014	70	4902	1.29
1	3	Jan/3/2014	59	4843	1.29
1	4	Jan/4/2014	93	4750	1.29
1	5	Jan/5/2014	96	4654	1.29
1	6	Jan/6/2014	145	4509	1.29
1	7	Jan/7/2014	179	4329	1.29
1	8	Jan/8/2014	321	4104	1.29
1	9	Jan/9/2014	125	4459	1.09
1	10	Jan/10/2014	88	5043	1.09
1	11	Jan/11/2014	188	5239	1.09
1	12	Jan/12/2014	121	5118	1.09
1	13	Jan/13/2014	134	4984	1.09

## Year data:

The screenshot shows the IBM Cognos Analytics interface. The left sidebar displays the 'Data module' with a search bar and a tree view containing 'New data module', 'Navigation paths', 'mock\_kaggle.csv', '# Month Data', '# Row Id', and 'Year'. The 'Year' table is selected, and its fields are listed: 'venda', 'estoque', and 'preco'. The main grid view shows the table with columns: 'Month Data', 'Year', 'venda', 'estoque', and 'preco'. The data rows show dates from 2014-01-01 to 2014-01-13, with corresponding sales, stock, and price values.

Month Data	Year	venda	estoque	preco
1	2014-01-01	0	4972	1.29
1	2014-01-02	70	4902	1.29
1	2014-01-03	59	4843	1.29
1	2014-01-04	93	4750	1.29
1	2014-01-05	96	4654	1.29
1	2014-01-06	145	4509	1.29
1	2014-01-07	179	4329	1.29
1	2014-01-08	321	4104	1.29
1	2014-01-09	125	4459	1.09
1	2014-01-10	88	5043	1.09
1	2014-01-11	188	5239	1.09
1	2014-01-12	121	5118	1.09
1	2014-01-13	134	4984	1.09

## Stock data:

IBM Cognos Analytics with Watson

New data module

Search

New data module

- Navigation paths
- mock\_kaggle.csv
  - # Month Data
  - # Row Id
  - Year
  - Sales
  - Stock**
  - preco

Month Data	Row Id	Year	Sales	Stock	preco
1	1	2014-01-01	0	4972	1.29
1	2	2014-01-02	70	4902	1.29
1	3	2014-01-03	59	4843	1.29
1	4	2014-01-04	93	4750	1.29
1	5	2014-01-05	96	4654	1.29
1	6	2014-01-06	145	4509	1.29
1	7	2014-01-07	179	4329	1.29
1	8	2014-01-08	321	4104	1.29
1	9	2014-01-09	125	4459	1.09
1	10	2014-01-10	88	5043	1.09
1	11	2014-01-11	188	5239	1.09
1	12	2014-01-12	121	5118	1.09
1	13	2014-01-13	134	4984	1.09

## Sales data:

IBM Cognos Analytics with Watson

New data module

Search

New data module

- Navigation paths
- mock\_kaggle.csv
  - # Month Data
  - # Row Id
  - Year
  - Sales**
  - estoque
  - preco

Month Data	Row Id	Year	Sales	estoque	preco
1	1	2014-01-01	0	4972	1.29
1	2	2014-01-02	70	4902	1.29
1	3	2014-01-03	59	4843	1.29
1	4	2014-01-04	93	4750	1.29
1	5	2014-01-05	96	4654	1.29
1	6	2014-01-06	145	4509	1.29
1	7	2014-01-07	179	4329	1.29
1	8	2014-01-08	321	4104	1.29
1	9	2014-01-09	125	4459	1.09
1	10	2014-01-10	88	5043	1.09
1	11	2014-01-11	188	5239	1.09
1	12	2014-01-12	121	5118	1.09
1	13	2014-01-13	134	4984	1.09

## Price data:

The screenshot shows the IBM Cognos Analytics interface with the 'Price' data module selected. The table displays 13 rows of data with columns: Month Data, Row Id, Year, Sales, Stock, and Price. The 'Price' column is highlighted in blue.

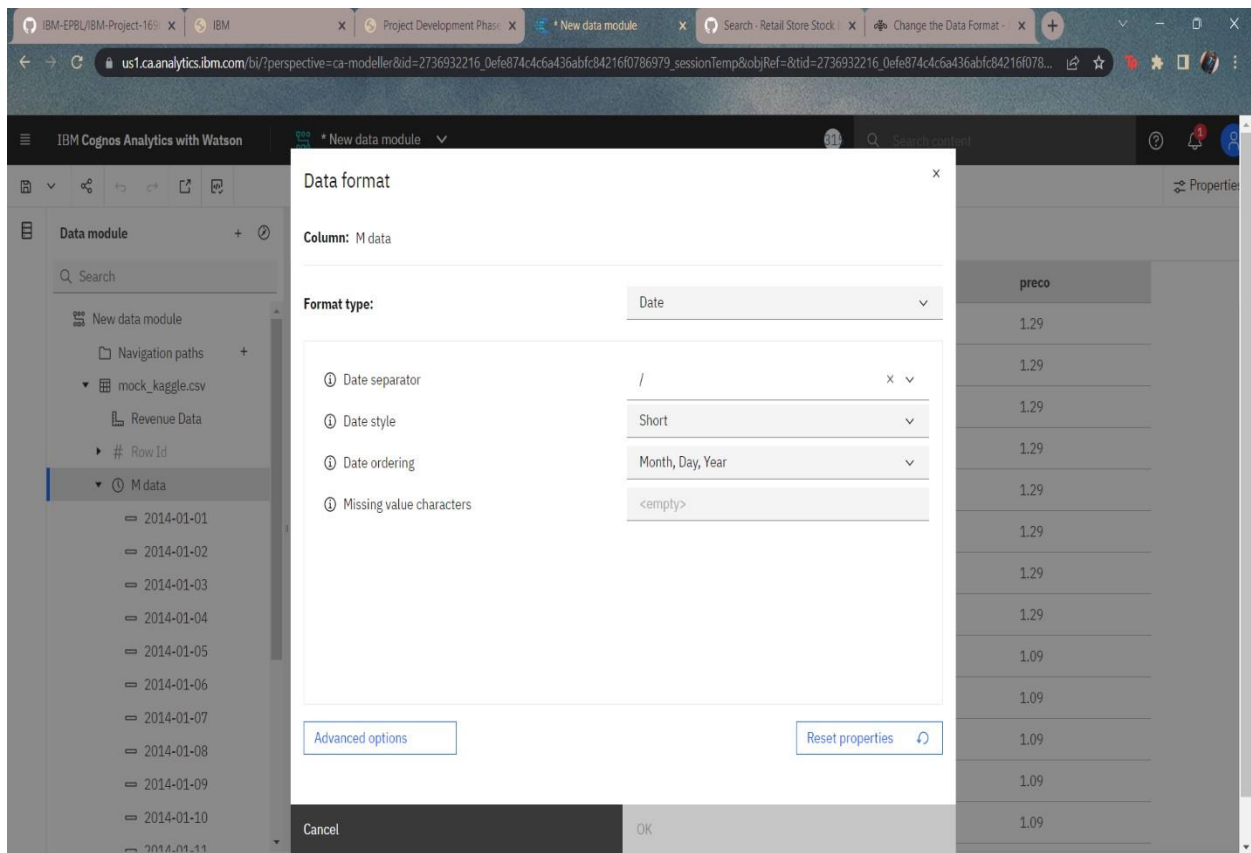
Month Data	Row Id	Year	Sales	Stock	Price
1	1	2014-01-01	0	4972	1.29
1	2	2014-01-02	70	4902	1.29
1	3	2014-01-03	59	4843	1.29
1	4	2014-01-04	93	4750	1.29
1	5	2014-01-05	96	4654	1.29
1	6	2014-01-06	145	4509	1.29
1	7	2014-01-07	179	4329	1.29
1	8	2014-01-08	321	4104	1.29
1	9	2014-01-09	125	4459	1.09
1	10	2014-01-10	88	5043	1.09
1	11	2014-01-11	188	5239	1.09
1	12	2014-01-12	121	5118	1.09
1	13	2014-01-13	134	4984	1.09

## Month-Format Data:

The screenshot shows the IBM Cognos Analytics interface with the 'M data' data module selected. The table displays 13 rows of data with columns: Revenue Data, Row Id, M data, Sales, Stock, and preco. The 'M data' column is highlighted in blue.

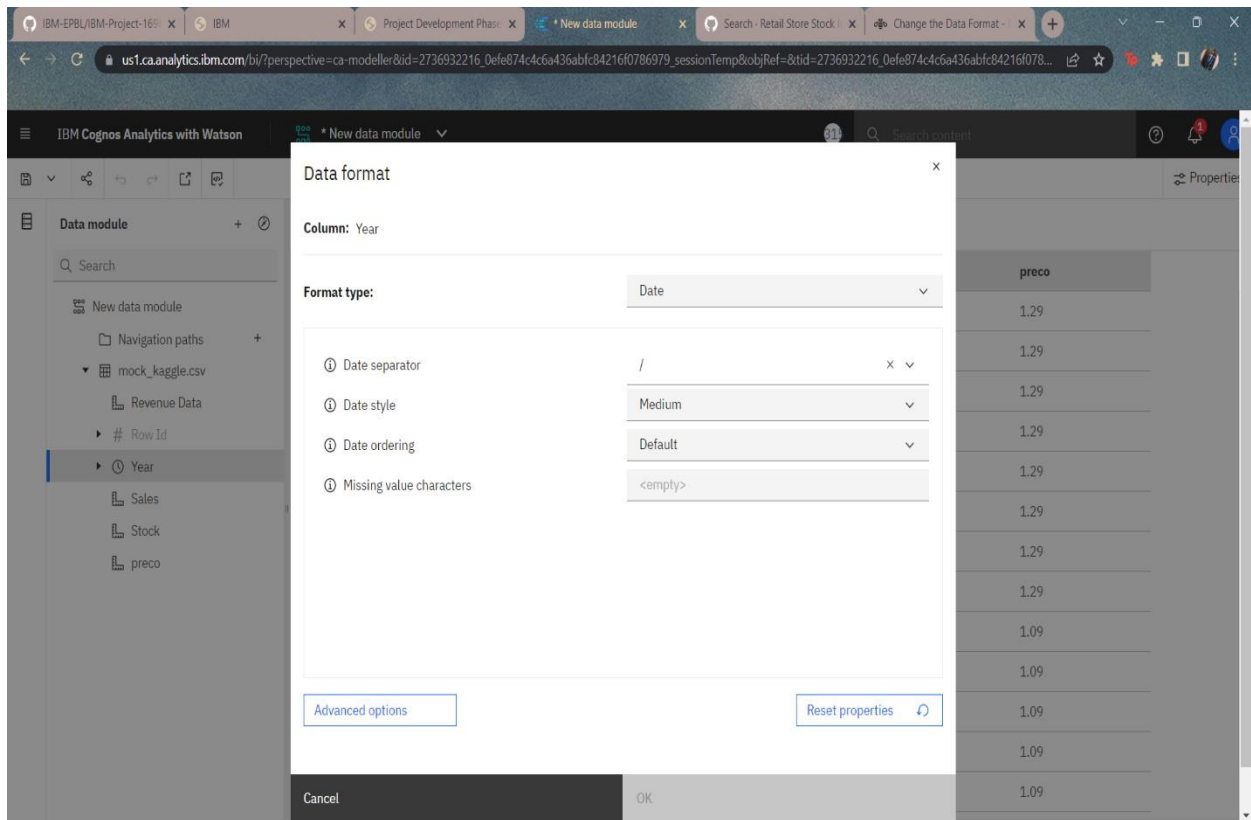
Revenue Data	Row Id	M data	Sales	Stock	preco
1	1	1/1/14	0	4972	1.29
1	2	1/2/14	70	4902	1.29
1	3	1/3/14	59	4843	1.29
1	4	1/4/14	93	4750	1.29
1	5	1/5/14	96	4654	1.29
1	6	1/6/14	145	4509	1.29
1	7	1/7/14	179	4329	1.29
1	8	1/8/14	321	4104	1.29
1	9	1/9/14	125	4459	1.09
1	10	1/10/14	88	5043	1.09
1	11	1/11/14	188	5239	1.09
1	12	1/12/14	121	5118	1.09
1	13	1/13/14	134	4984	1.09





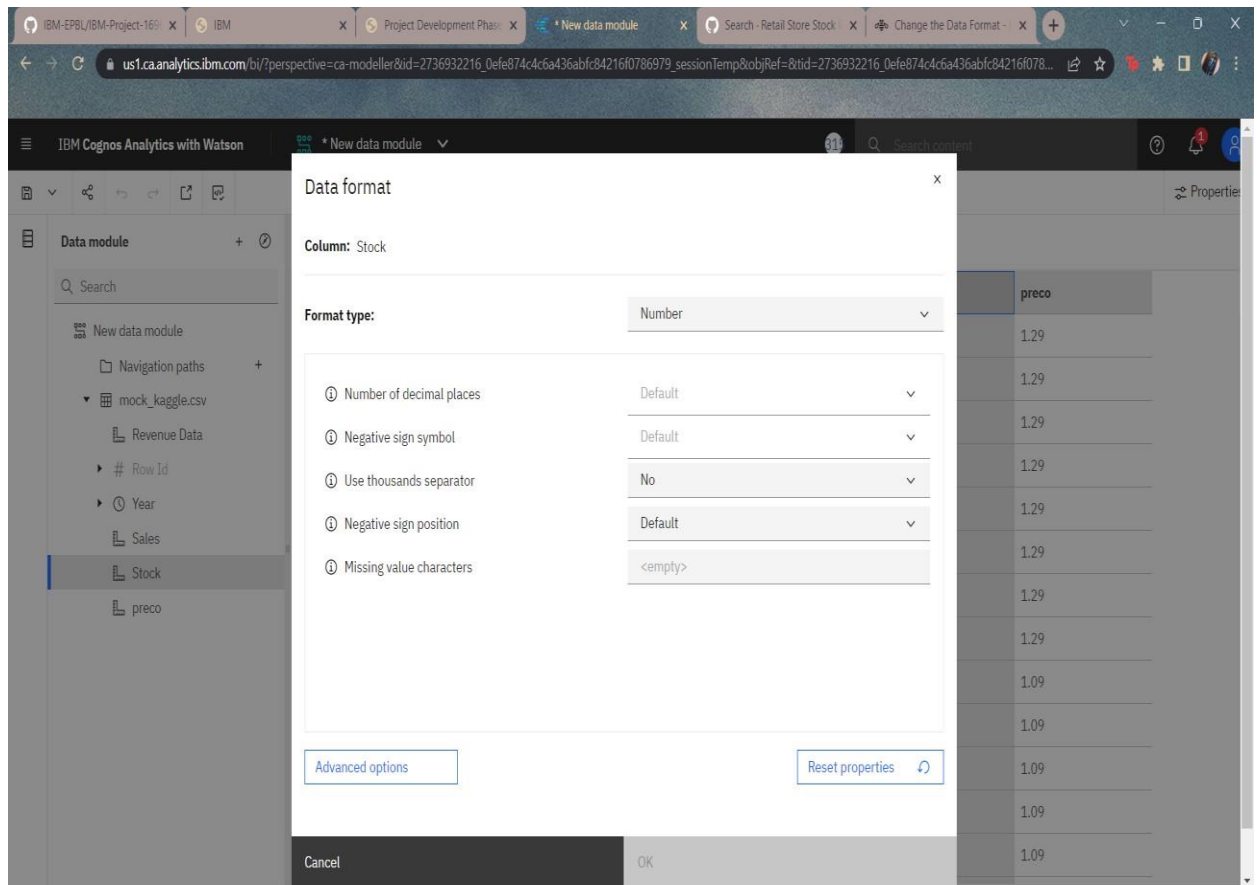
## Year-Format Data:





Revenue Data	Row Id	Year	Sales	Stock	preco
1	1	Jan/1/2014	0	4972	1.29
1	2	Jan/2/2014	70	4902	1.29
1	3	Jan/3/2014	59	4843	1.29
1	4	Jan/4/2014	93	4750	1.29
1	5	Jan/5/2014	96	4654	1.29
1	6	Jan/6/2014	145	4509	1.29
1	7	Jan/7/2014	179	4329	1.29
1	8	Jan/8/2014	321	4104	1.29
1	9	Jan/9/2014	125	4459	1.09
1	10	Jan/10/2014	88	5043	1.09
1	11	Jan/11/2014	188	5239	1.09
1	12	Jan/12/2014	121	5118	1.09
1	13	Jan/13/2014	134	4984	1.09

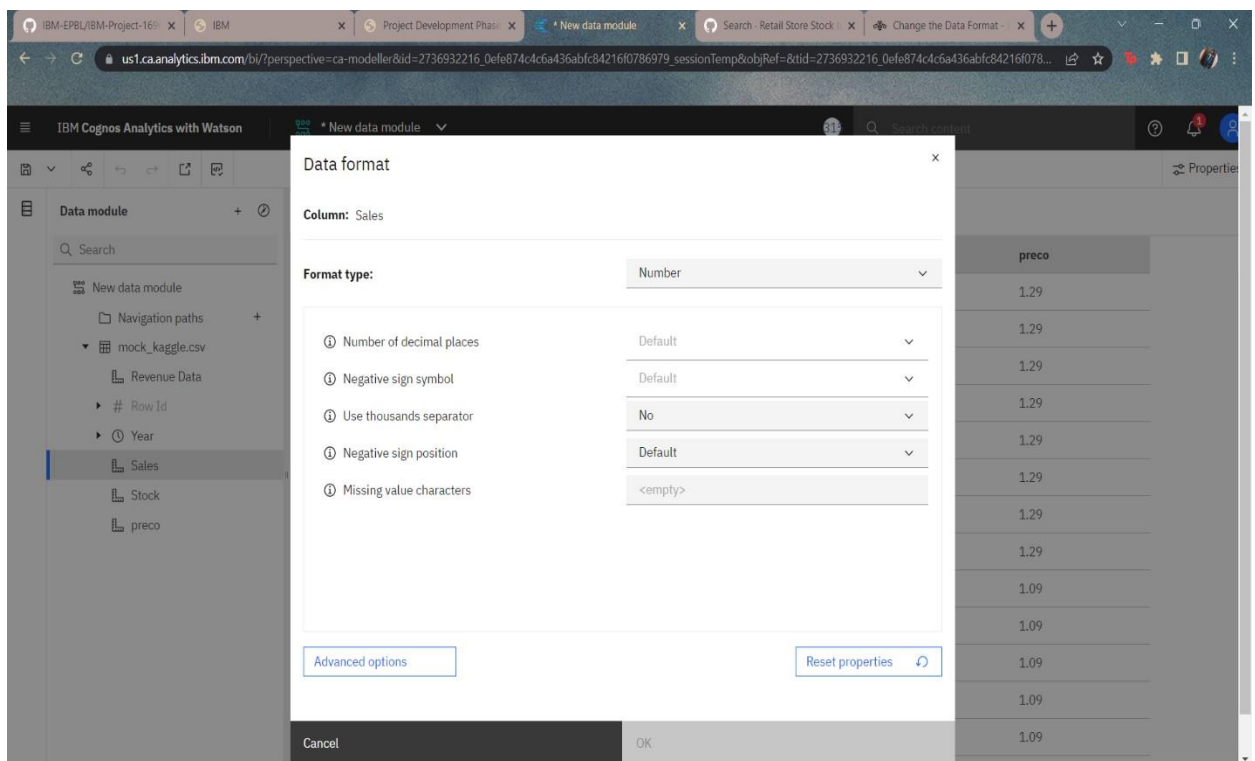
**Stock-Format Data:**



The screenshot shows the IBM Cognos Analytics interface with a data table displayed. The table has the following columns: Revenue Data, Row Id, Year, Sales, Stock, and preco. The 'Stock' column is highlighted. The data is as follows:

Revenue Data	Row Id	Year	Sales	Stock	preco
1	1	Jan/1/2014	0	4972	1.29
1	2	Jan/2/2014	70	4902	1.29
1	3	Jan/3/2014	59	4843	1.29
1	4	Jan/4/2014	93	4750	1.29
1	5	Jan/5/2014	96	4654	1.29
1	6	Jan/6/2014	145	4509	1.29
1	7	Jan/7/2014	179	4329	1.29
1	8	Jan/8/2014	321	4104	1.29
1	9	Jan/9/2014	125	4459	1.09
1	10	Jan/10/2014	88	5043	1.09
1	11	Jan/11/2014	188	5239	1.09
1	12	Jan/12/2014	121	5118	1.09
1	13	Jan/13/2014	134	4984	1.09

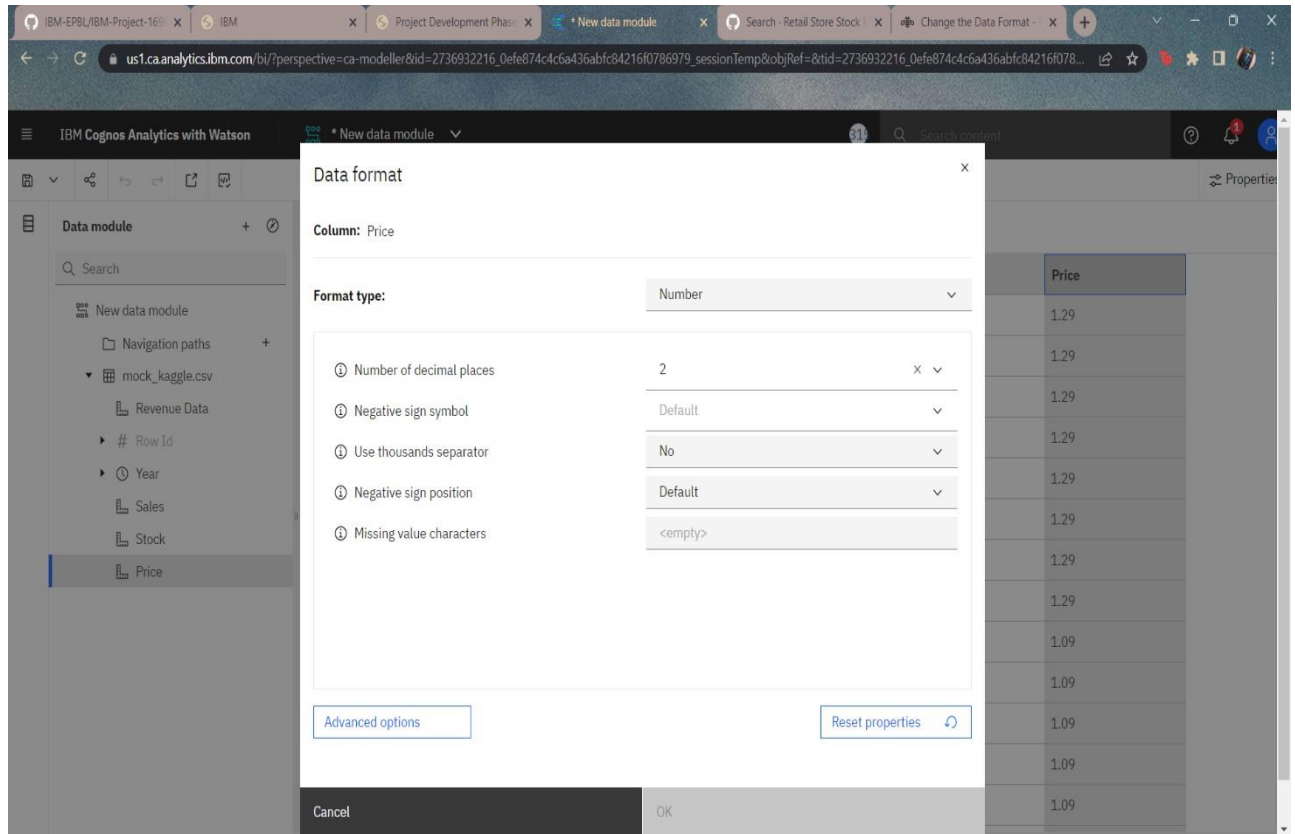
**Sales-Format Data:**



The screenshot shows the IBM Cognos Analytics interface with a data table displayed. The table has the following columns: Revenue Data, Row Id, Year, Sales, Stock, and preco. The data is as follows:

Revenue Data	Row Id	Year	Sales	Stock	preco
1	1	Jan/1/2014	0	4972	1.29
1	2	Jan/2/2014	70	4902	1.29
1	3	Jan/3/2014	59	4843	1.29
1	4	Jan/4/2014	93	4750	1.29
1	5	Jan/5/2014	96	4654	1.29
1	6	Jan/6/2014	145	4509	1.29
1	7	Jan/7/2014	179	4329	1.29
1	8	Jan/8/2014	321	4104	1.29
1	9	Jan/9/2014	125	4459	1.09
1	10	Jan/10/2014	88	5043	1.09
1	11	Jan/11/2014	188	5239	1.09
1	12	Jan/12/2014	121	5118	1.09
1	13	Jan/13/2014	134	4984	1.09

## Price-Format Data:



The screenshot shows the IBM Cognos Analytics interface with a data grid view. The 'Price' column in the background table is highlighted, corresponding to the format settings shown in the previous image. The data grid contains the following information:

Revenue Data	Row Id	Year	Sales	Stock	Price
1	1	Jan/1/2014	0	4972	1.29
1	2	Jan/2/2014	70	4902	1.29
1	3	Jan/3/2014	59	4843	1.29
1	4	Jan/4/2014	93	4750	1.29
1	5	Jan/5/2014	96	4654	1.29
1	6	Jan/6/2014	145	4509	1.29
1	7	Jan/7/2014	179	4329	1.29
1	8	Jan/8/2014	321	4104	1.29
1	9	Jan/9/2014	125	4459	1.09
1	10	Jan/10/2014	88	5043	1.09
1	11	Jan/11/2014	188	5239	1.09
1	12	Jan/12/2014	121	5118	1.09
1	13	Jan/13/2014	134	4984	1.09

## Revenue-Format Data:

IBM Cognos Analytics with Watson

Sprint 1

Search content

Data module

Search

Sprint 1

- Navigation paths
- mock\_kaggle.csv
  - M data
  - Revenue Data
- # Row Id
- Year
- Sales
- Stock
- Price

Data format

Column: Revenue Data

Format type: Number

Number of decimal places: 0

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options

Reset properties

Cancel OK

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
5118	1.09
4984	1.09

IBM Cognos Analytics with Watson

Sprint 1

Search content

Data module

Search

Sprint 1

- Navigation paths
- mock\_kaggle.csv
  - M data
  - Revenue Data
- # Row Id
- Year
- Sales
- Stock
- Price

Grid

11	Revenue Data	Row Id	Year	Sales	Stock	Price
1	1	1	Jan/1/2014	0	4972	1.29
1	1	2	Jan/2/2014	70	4902	1.29
1	1	3	Jan/3/2014	59	4843	1.29
1	1	4	Jan/4/2014	93	4750	1.29
1	1	5	Jan/5/2014	96	4654	1.29
1	1	6	Jan/6/2014	145	4509	1.29
1	1	7	Jan/7/2014	179	4329	1.29
1	1	8	Jan/8/2014	321	4104	1.29
1	1	9	Jan/9/2014	125	4459	1.09
1	1	10	Jan/10/2014	88	5043	1.09
1	1	11	Jan/11/2014	188	5239	1.09
1	1	12	Jan/12/2014	121	5118	1.09
1	1	13	Jan/13/2014	134	4984	1.09