

PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT - 1

Team ID	PNT2022TMID06777
Project Name	Retail Store Stock InventoryAnalytics

PROJECT DEVELOPMENT PHASE :

SPRINT - 1 :

- Data Collection
- Data Preparation

SPRINT - 2 :

- Data Exploration

SPRINT - 3 :

- Dashboard Creation

SPRINT - 4 :

- Report Creation
- Story Creation

SPRINT-1:

Data Collection :

Download the Dataset

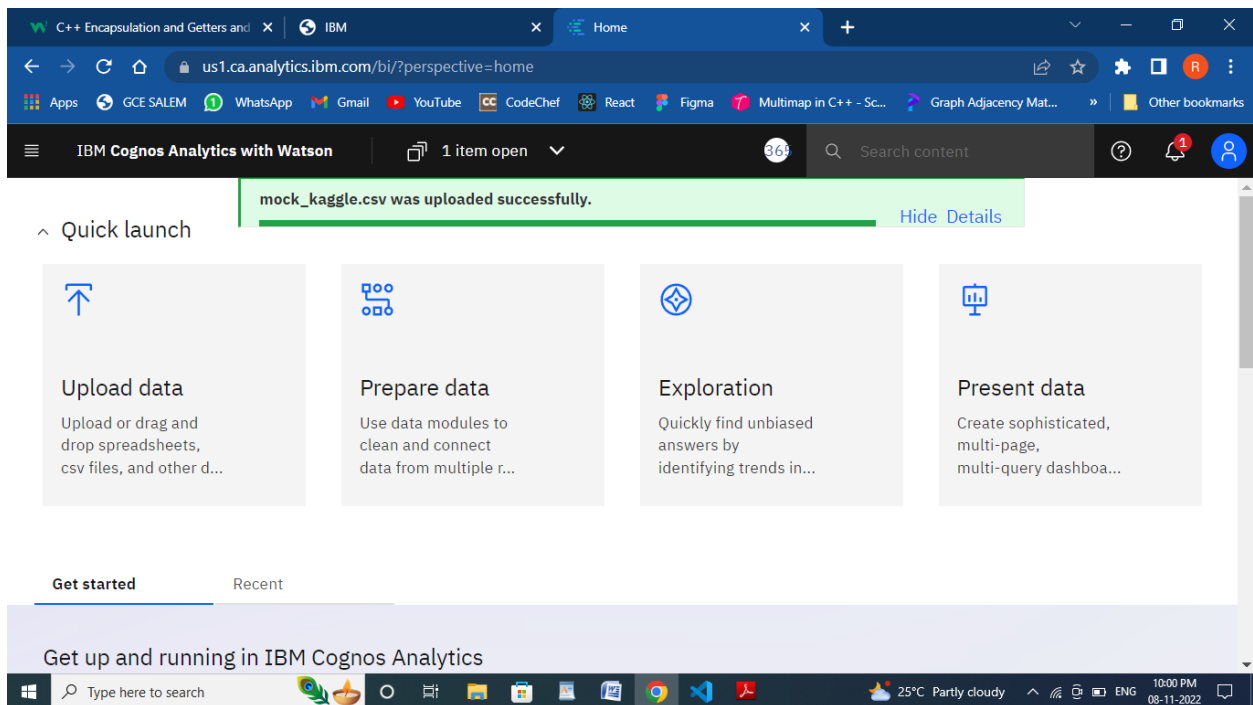
Dataset Link –

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

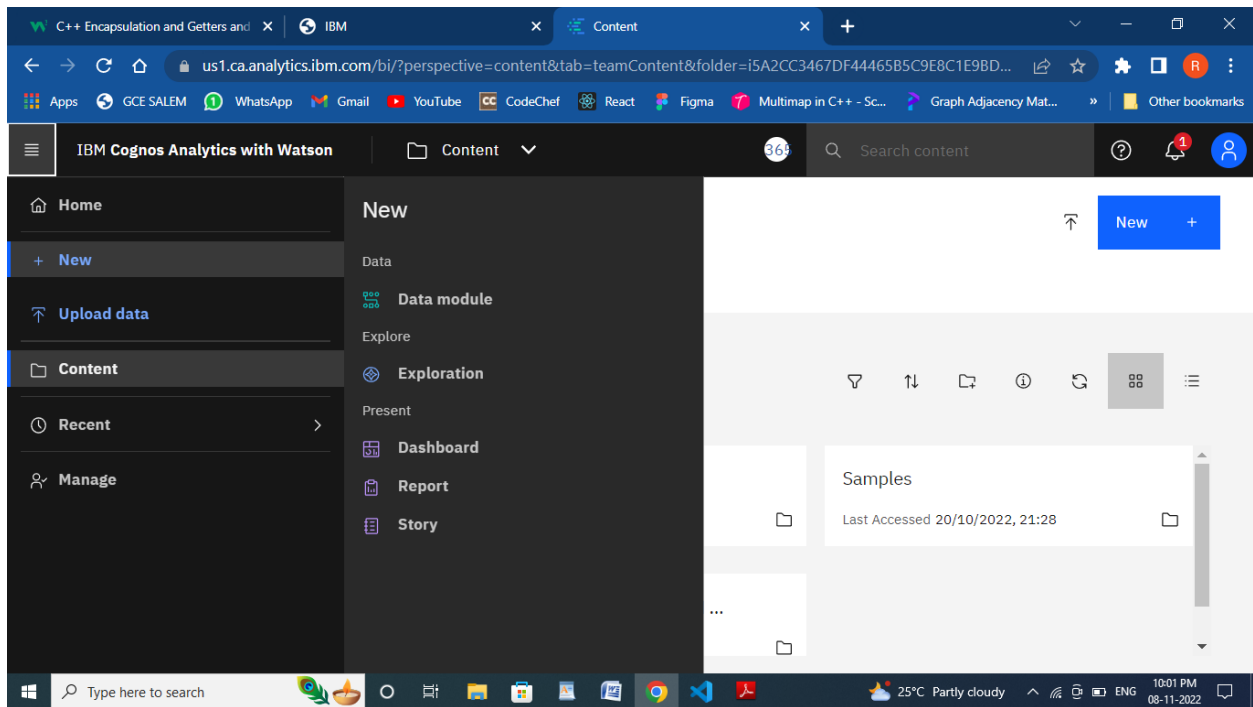
Load the Dataset :

Tool used – IBM Cognos

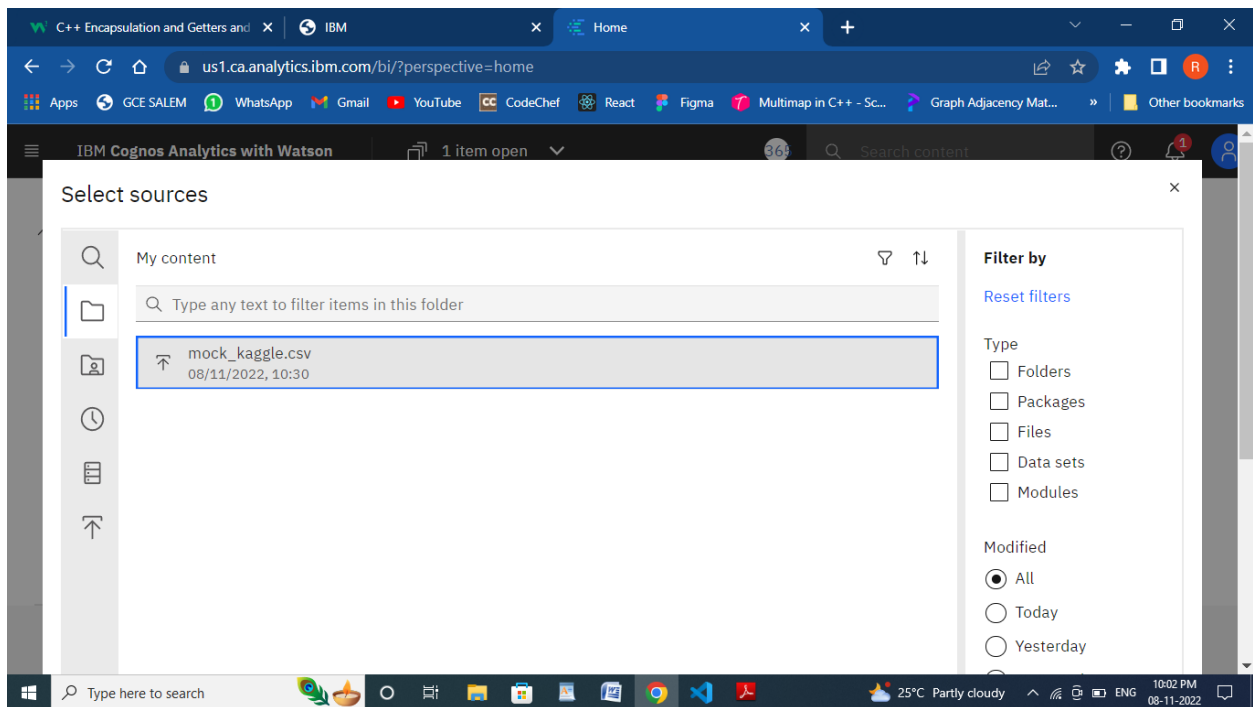
Upload Data :



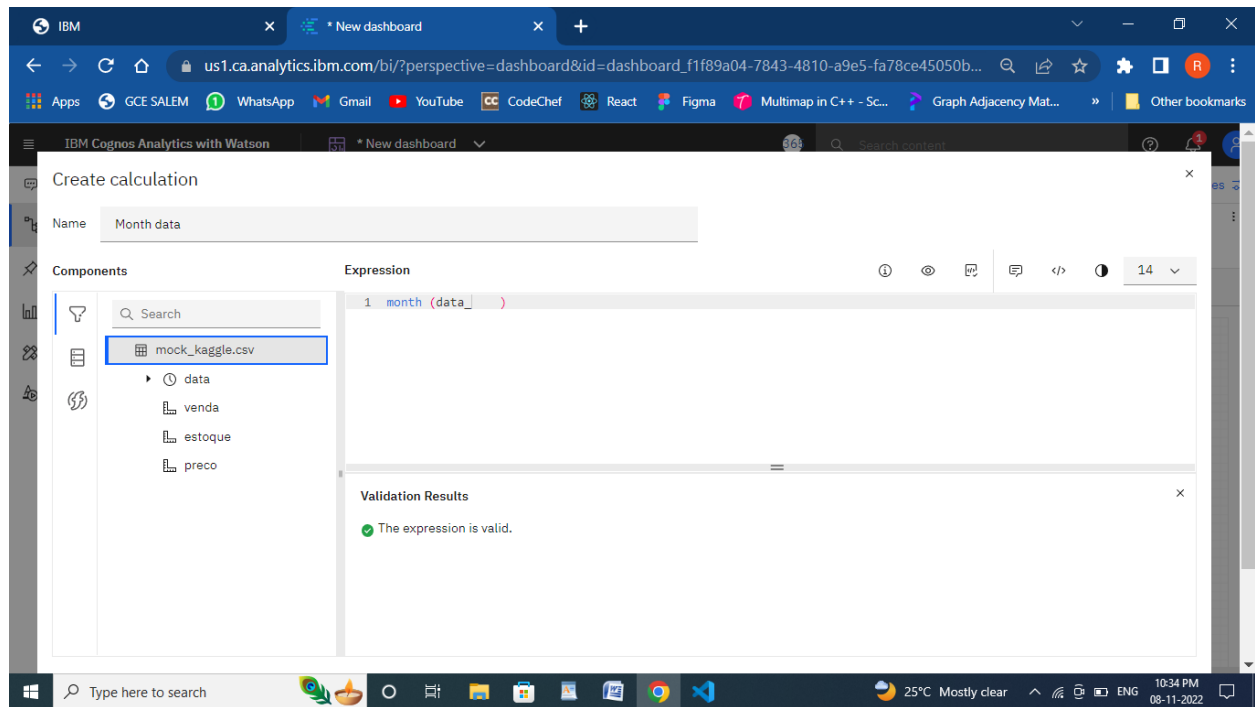
Create a data module :



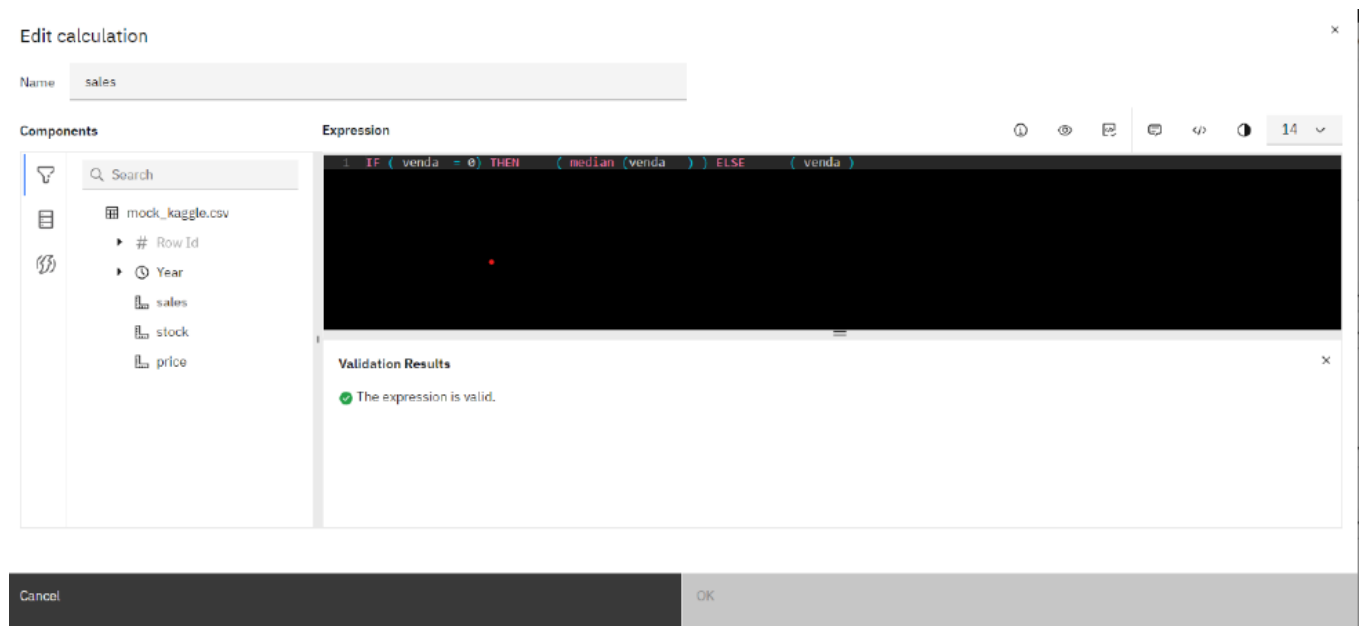
Prepare Dataset :



Month Data :



Sales Calculation :



Stock Calculation :

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

Price Calculation :

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

Sales Dataset :

The screenshot shows the IBM Cognos Analytics interface with the 'Sales' dataset selected in the 'Data module' pane. The 'Grid' view displays a table with 11 rows and 5 columns: Row Id, Year, Sales, Stock, and Price. The 'Sales' column is highlighted in blue. The 'Data module' pane on the left shows the 'Sales' dataset selected under 'mock_kaggle.csv'. The 'Grid' view shows the following data:

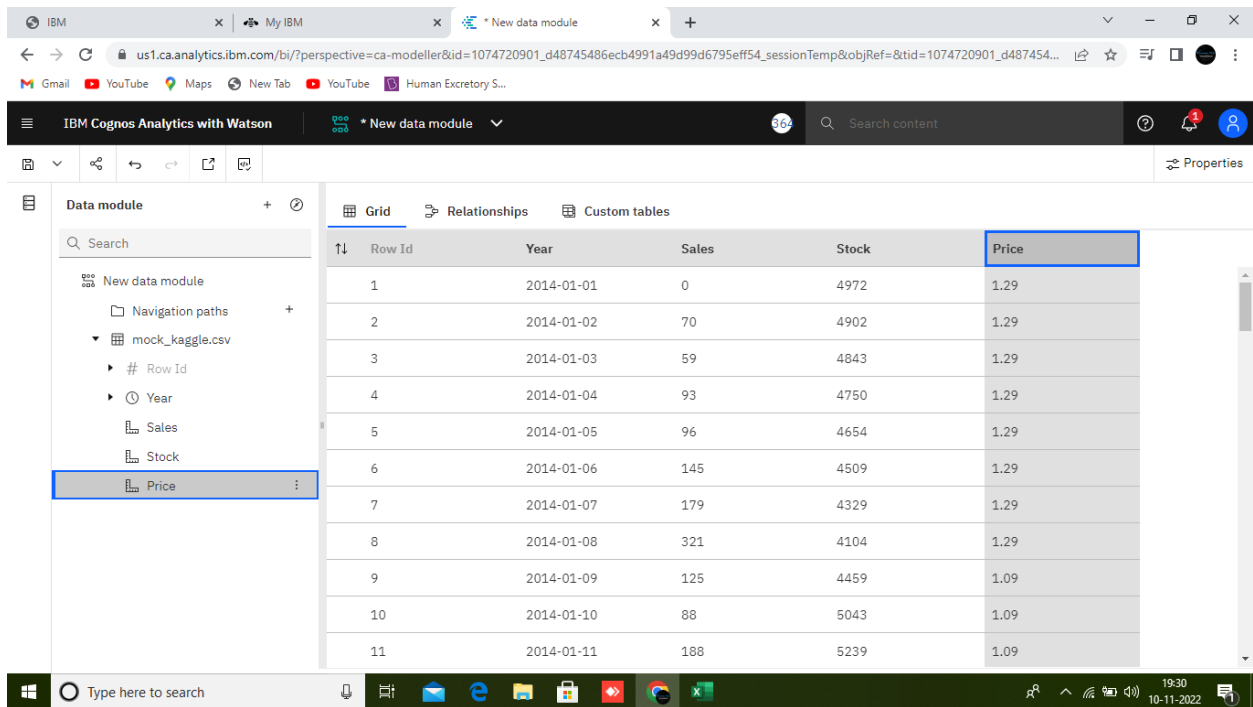
Row Id	Year	Sales	Stock	Price
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09
11	2014-01-11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

Stock Dataset :

The screenshot shows the IBM Cognos Analytics interface with the 'Stock' dataset selected in the 'Data module' pane. The 'Grid' view displays a table with 11 rows and 5 columns: Row Id, Year, Sales, Stock, and Price. The 'Stock' column is highlighted in blue. The 'Data module' pane on the left shows the 'Stock' dataset selected under 'mock_kaggle.csv'. The 'Grid' view shows the following data:

Row Id	Year	Sales	Stock	Price
1	2014-01-01	0	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
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9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09
11	2014-01-11	188	5239	1.09

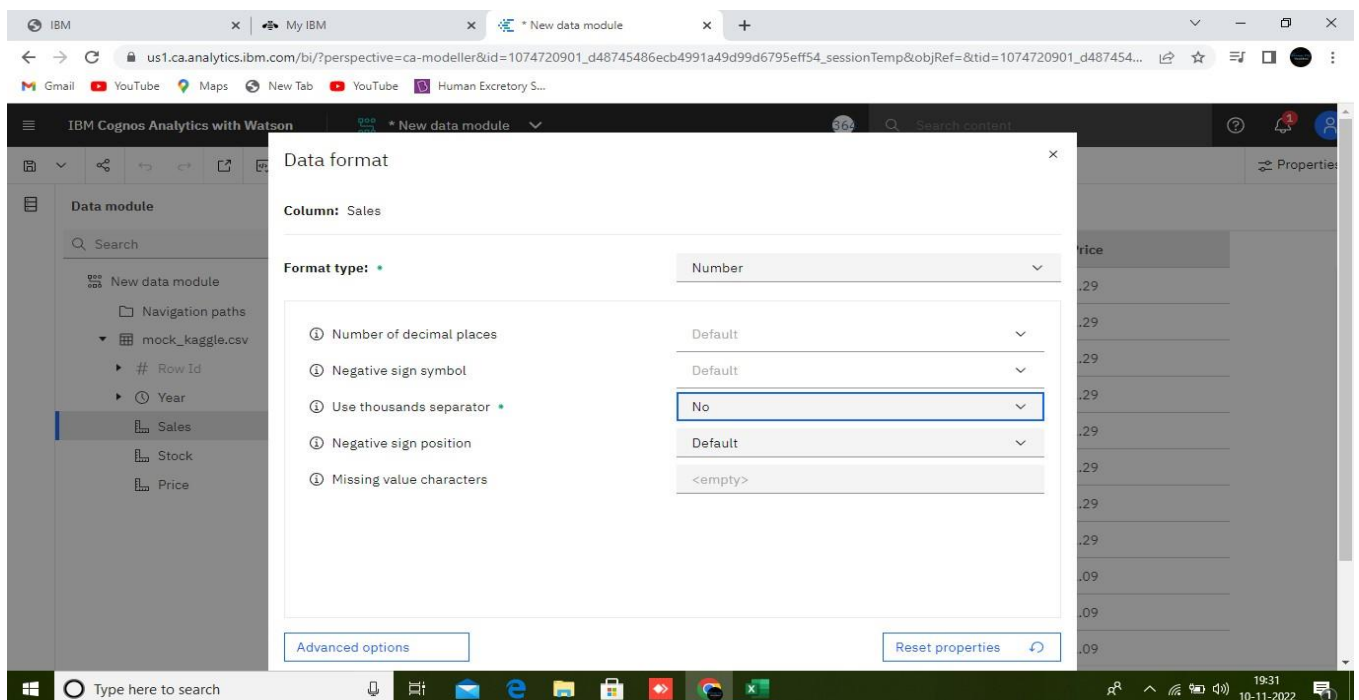
Price Dataset :



The screenshot shows the IBM Cognos Analytics interface with the 'Price' dataset selected in the 'Data module' pane. The 'Grid' view displays a table with 11 rows and 5 columns: Row Id, Year, Sales, Stock, and Price. The 'Price' column is highlighted with a blue border.

Row Id	Year	Sales	Stock	Price
1	2014-01-01	0	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

Sales - Format Data :



The screenshot shows the 'Data format' dialog box for the 'Sales' column. The 'Format type' is set to 'Number'. The 'Use thousands separator' option is selected, and the 'Reset properties' button is visible at the bottom right.

Column: Sales

Format type: **Number**

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>

Advanced options

Reset properties

Stock – Format Data :

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists 'mock_kaggle.csv' with columns: # Row Id, Year, Sales, Stock, and Price. The 'Stock' column is selected. A 'Data format' dialog box is open, showing the 'Column: Stock' and 'Format type: Number'. The 'Format type' dropdown is set to 'Number'. Below it, several options are listed with their current values:

Option	Value
Number of decimal places	Default
Negative sign symbol	Default
Use thousands separator	No
Negative sign position	Default
Missing value characters	<empty>

Buttons at the bottom of the dialog include 'Advanced options' and 'Reset properties'. The background shows a list of stock prices for the 'Price' column.

Price – Format Data :

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists 'mock_kaggle.csv' with columns: # Row Id, Year, Sales, Stock, and Price. The 'Price' column is selected. A 'Data format' dialog box is open, showing the 'Column: Price' and 'Format type: Number'. The 'Format type' dropdown is set to 'Number'. Below it, several options are listed with their current values:

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

Buttons at the bottom of the dialog include 'Advanced options' and 'Reset properties'. The background shows a list of stock prices for the 'Price' column.

Revenue – Format Data :

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>