

Project Development Phase Delivery of Sprint-1

Team ID	PNT2022TMID52205
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

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TEAM ID: PNT2022TMID52205

Sprint-1:

Data Collection:

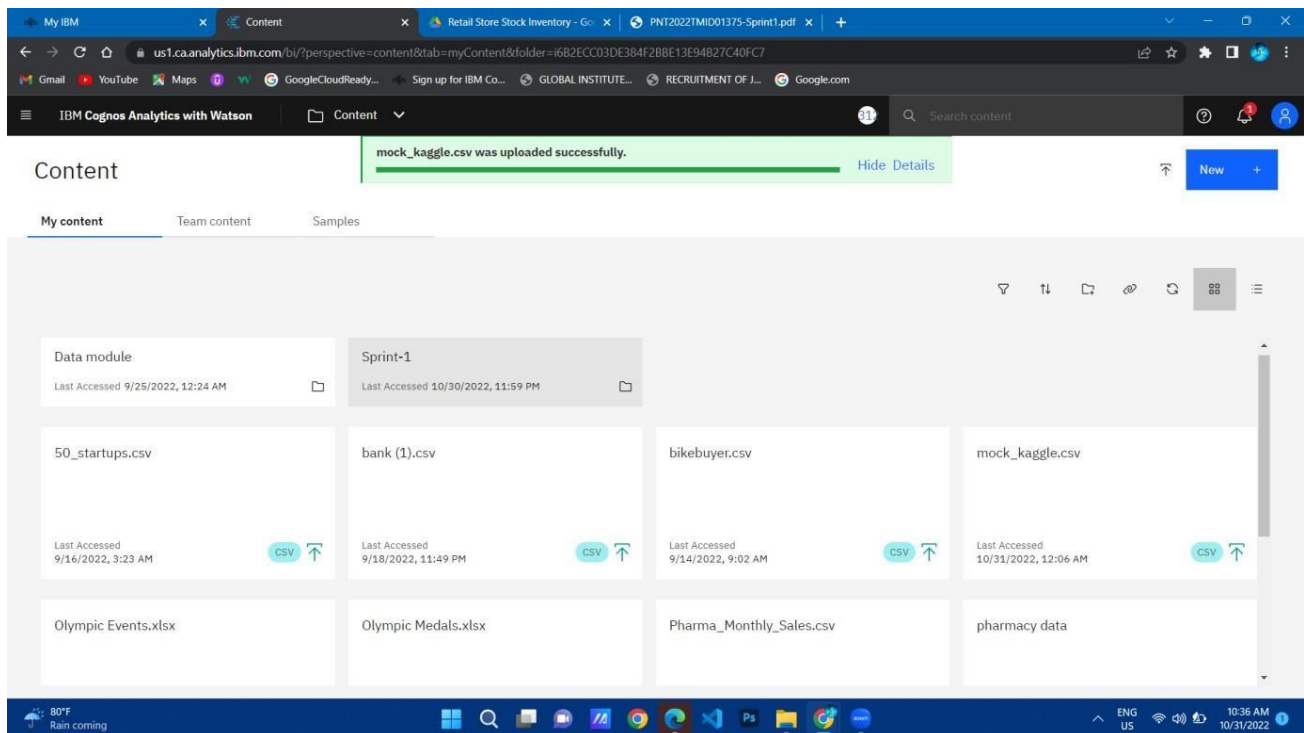
Download the Dataset

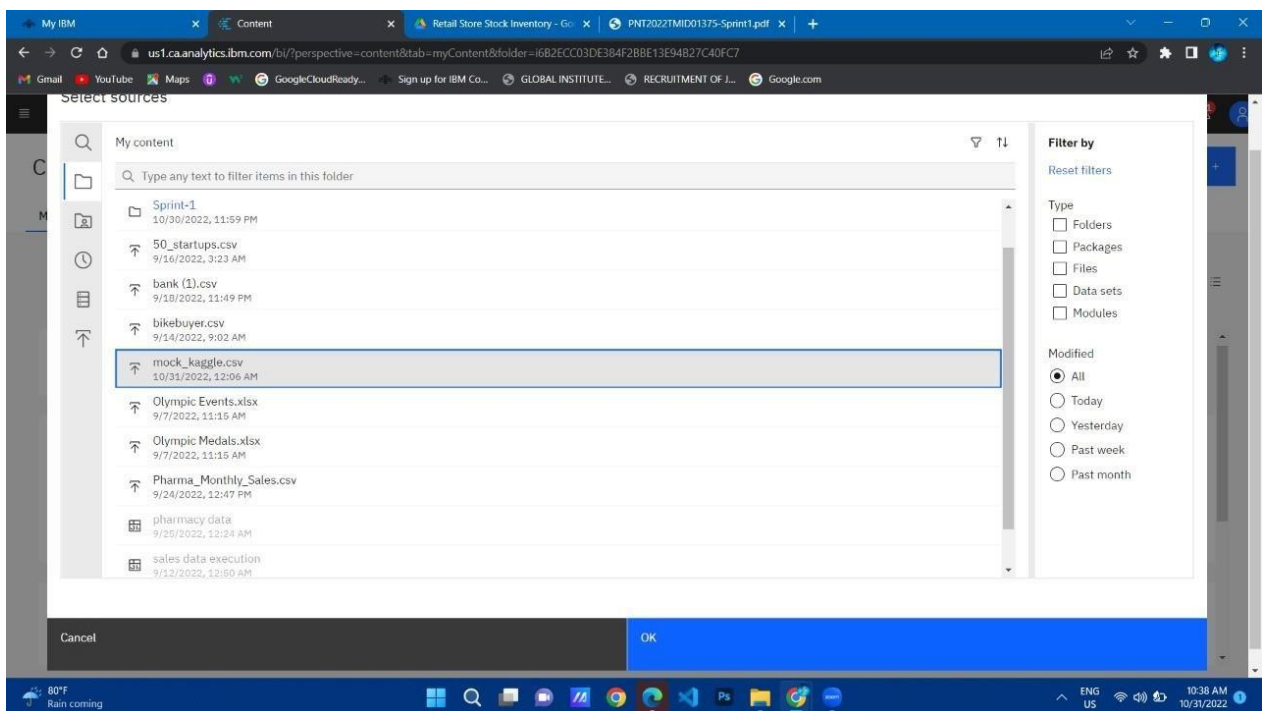
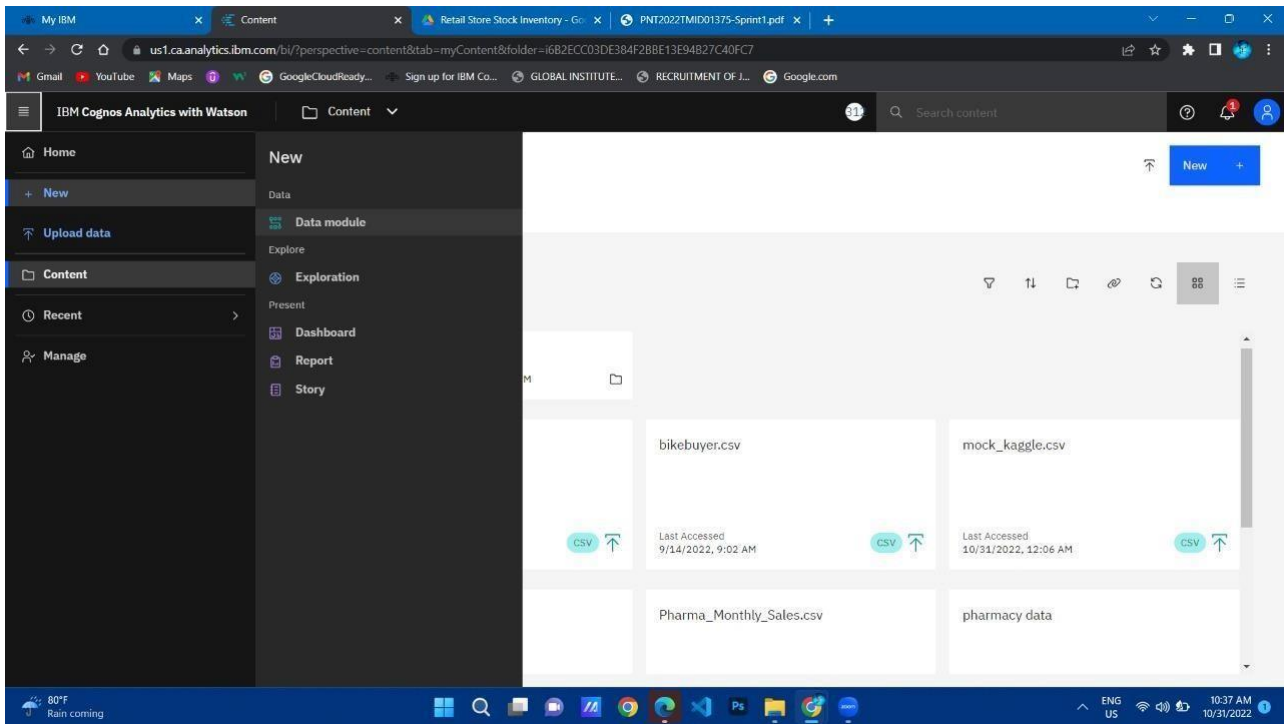
Dataset link - [https://drive.google.com/drive/folders/1kiL-](https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy)

[5CHJmQvbk9VyFsuUs-myAupBZGNy](https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy)

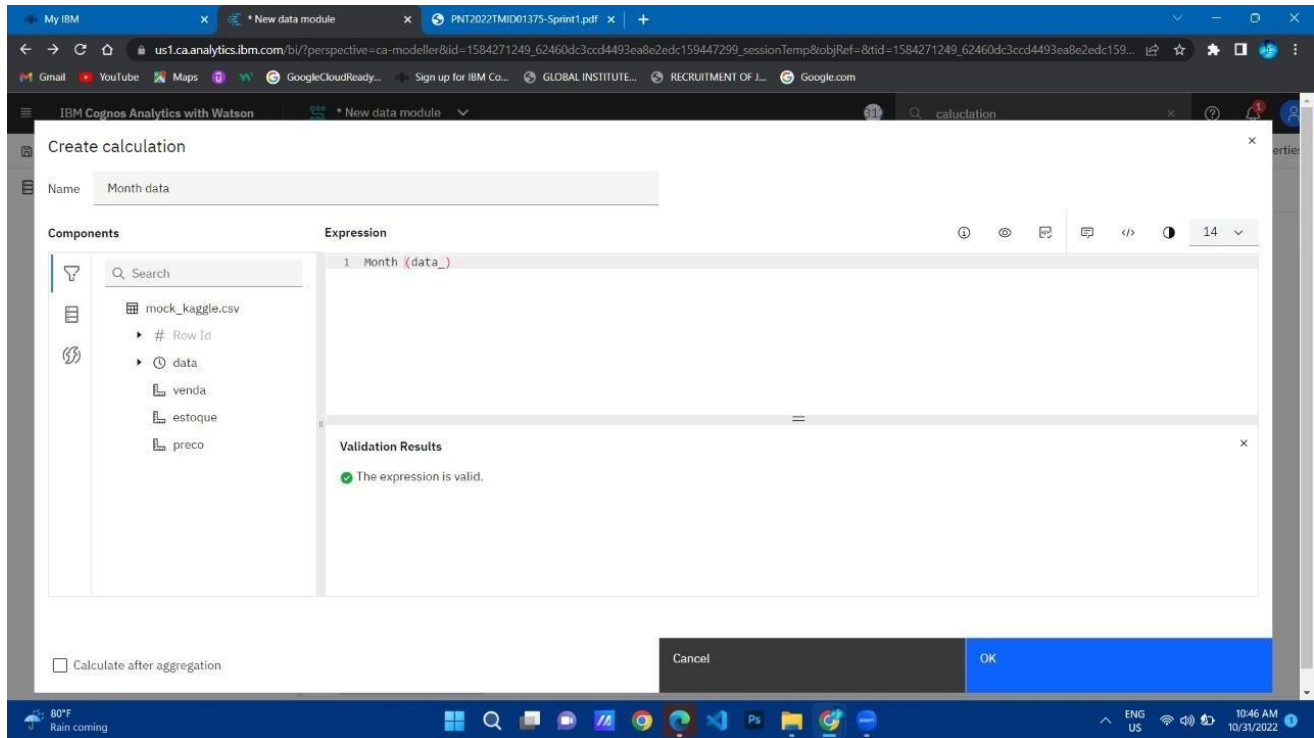
Load the Dataset:

Tool used – IBM Cognos





Month data:



The screenshot shows the 'Grid' view of the 'Month data' calculation results. The table has 7 columns: 't1', 'Month data', 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The data is organized into 13 rows, each representing a date from 2014-01-01 to 2014-01-13. The 't1' column contains the value '1' for each row.

t1	Month data	Row Id	data	venda	estoque	preco
1	1	1	2014-01-01	0	4972	1.29
1	1	2	2014-01-02	70	4902	1.29
1	1	3	2014-01-03	59	4843	1.29
1	1	4	2014-01-04	93	4750	1.29
1	1	5	2014-01-05	96	4654	1.29
1	1	6	2014-01-06	145	4509	1.29
1	1	7	2014-01-07	179	4329	1.29
1	1	8	2014-01-08	321	4104	1.29
1	1	9	2014-01-09	125	4459	1.09
1	1	10	2014-01-10	88	5043	1.09
1	1	11	2014-01-11	188	5239	1.09
1	1	12	2014-01-12	121	5118	1.09
1	1	13	2014-01-13	134	4984	1.09

Revenue data:

The screenshot shows the IBM Cognos Analytics interface. The 'Sources' pane on the left lists 'mock_kaggle[1].csv'. The 'Data module' pane in the center shows a tree structure with 'revenue data' selected. The 'Grid' pane on the right displays a table with 5 columns: 'revenue data', 'Row Id', 'data', 'venda', and 'estoque'. The table contains 13 rows of data.

revenue data	Row Id	data	venda	estoque
0.5	1	2014-01-01	0	4972
1	2	2014-01-02	70	4902
1.5	3	2014-01-03	59	4843
2	4	2014-01-04	93	4750
2.5	5	2014-01-05	96	4654
3	6	2014-01-06	145	4509
3.5	7	2014-01-07	179	4329
4	8	2014-01-08	321	4104
4.5	9	2014-01-09	125	4459
5	10	2014-01-10	88	5043
5.5	11	2014-01-11	188	5239
6	12	2014-01-12	121	5118
6.5	13	2014-01-13	134	4984

Year data:

The screenshot shows the IBM Cognos Analytics interface. The 'Sources' pane on the left lists 'mock_kaggle[1].csv'. The 'Data module' pane in the center shows a tree structure with 'Year' selected. The 'Grid' pane on the right displays a table with 5 columns: 'revenue data', 'Row Id', 'Year', 'venda', and 'estoque'. The table contains 13 rows of data.

revenue data	Row Id	Year	venda	estoque
0.5	1	2014-01-01	0	4972
1	2	2014-01-02	70	4902
1.5	3	2014-01-03	59	4843
2	4	2014-01-04	93	4750
2.5	5	2014-01-05	96	4654
3	6	2014-01-06	145	4509
3.5	7	2014-01-07	179	4329
4	8	2014-01-08	321	4104
4.5	9	2014-01-09	125	4459
5	10	2014-01-10	88	5043
5.5	11	2014-01-11	188	5239
6	12	2014-01-12	121	5118
6.5	13	2014-01-13	134	4984

Stock data:

The screenshot shows the IBM Cognos Analytics interface. The 'Sources' pane on the left lists 'mock_kaggle[1].csv'. The 'Data module' pane shows a tree structure with 'venue data', 'Row Id', 'Year', 'Sales', 'stock', and 'preco'. The 'stock' table is selected and highlighted in blue. The main grid displays the data for the 'stock' table, with columns: venue data, Row Id, Year, Sales, and stock. The data is as follows:

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

Sales data:

The screenshot shows the IBM Cognos Analytics interface. The 'Sources' pane on the left lists 'mock_kaggle[1].csv'. The 'Data module' pane shows a tree structure with 'revenue data', 'Row Id', 'Year', 'Sales', 'estoque', and 'preco'. The 'Sales' table is selected and highlighted in blue. The main grid displays the data for the 'Sales' table, with columns: revenue data, Row Id, Year, Sales, and estoque. The data is as follows:

revenue data	Row Id	Year	Sales	estoque
0.5	1	2014-01-01	0	4972
1	2	2014-01-02	70	4902
1.5	3	2014-01-03	59	4843
2	4	2014-01-04	93	4750
2.5	5	2014-01-05	96	4654
3	6	2014-01-06	145	4509
3.5	7	2014-01-07	179	4329
4	8	2014-01-08	321	4104
4.5	9	2014-01-09	125	4459
5	10	2014-01-10	88	5043
5.5	11	2014-01-11	188	5239
6	12	2014-01-12	121	5118
6.5	13	2014-01-13	134	4984

Price data:

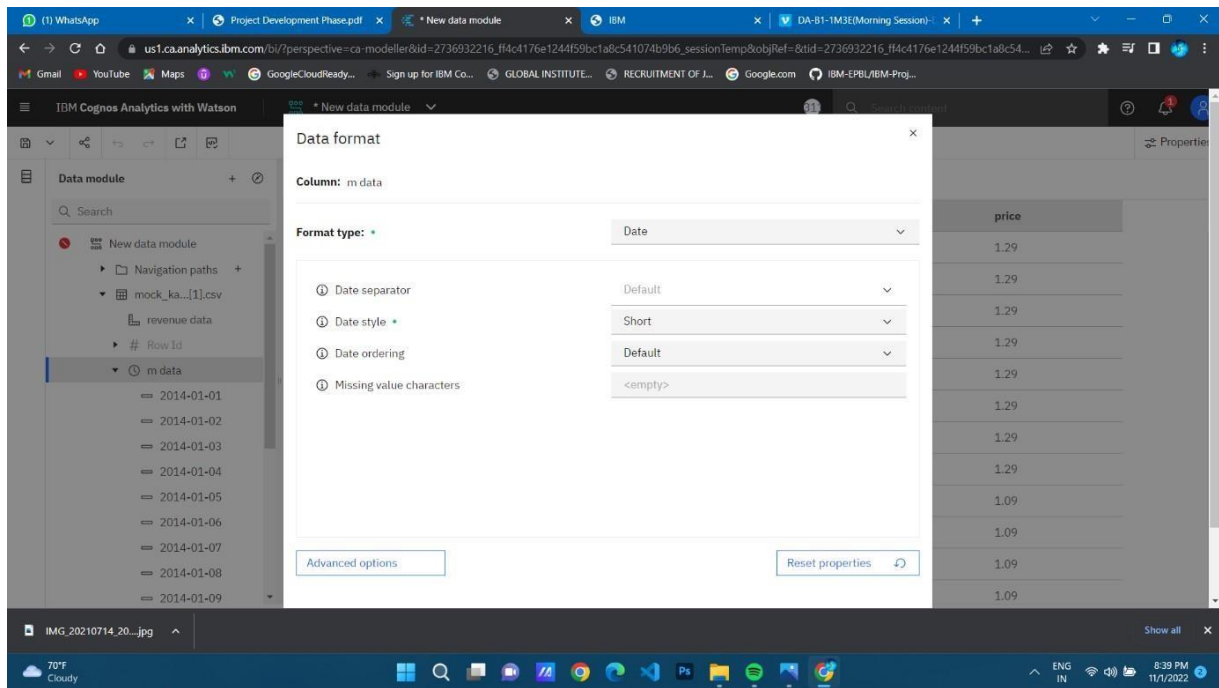
The screenshot shows the IBM Cognos Analytics interface with the 'Price' data module selected. The 'Sources' pane on the left shows 'mock_kaggle[1].csv'. The 'Data module' pane on the right shows a tree view with 'New data module', 'Navigation paths', 'mock_kaggle[1].csv', 'revenue data', '# Row Id', 'Year', 'Sales', 'stock', and 'price'. The 'Grid' view displays a table with columns: Row Id, Year, Sales, stock, and price. The data is as follows:

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

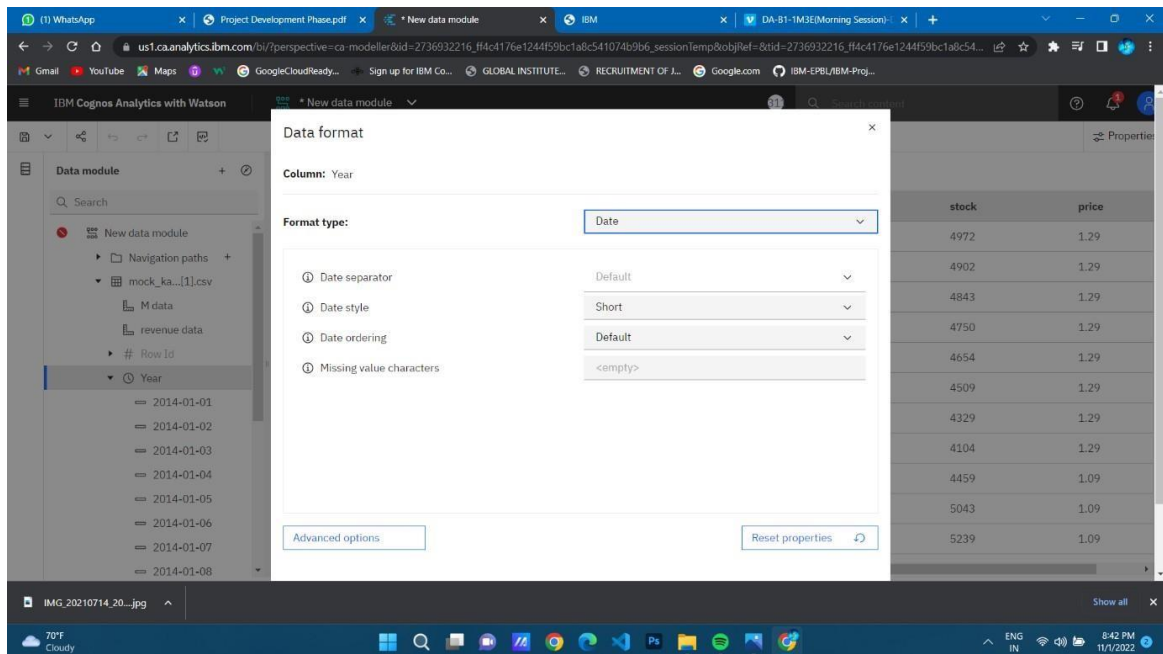
Month-Format Data:

The screenshot shows the IBM Cognos Analytics interface with the 'm data' data module selected. The 'Sources' pane on the left shows 'mock_kaggle[1].csv'. The 'Data module' pane on the right shows a tree view with 'New data module', 'Navigation paths', 'mock_kaggle[1].csv', 'revenue data', '# Row Id', 'm data', 'Sales', 'stock', and 'price'. The 'Grid' view displays a table with columns: revenue data, Row Id, m data, Sales, stock, and price. The data is as follows:

revenue data	Row Id	m data	Sales	stock	price
0.5	1	1/1/14	0	4972	1.29
1	2	1/2/14	70	4902	1.29
1.5	3	1/3/14	59	4843	1.29
2	4	1/4/14	93	4750	1.29
2.5	5	1/5/14	96	4654	1.29
3	6	1/6/14	145	4509	1.29
3.5	7	1/7/14	179	4329	1.29
4	8	1/8/14	321	4104	1.29
4.5	9	1/9/14	125	4459	1.09
5	10	1/10/14	88	5043	1.09
5.5	11	1/11/14	188	5239	1.09
6	12	1/12/14	121	5118	1.09



Year-Format Data:



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the hierarchy: 'New data module' > 'Navigation paths' > 'mock_kas...[1].csv' > 'M data' > 'revenue data' > 'Row Id' > 'Year'. The main grid view displays the following data:

M data	revenue data	Row Id	Year	Sales	stock	price
0.5	0.5	1	Jan 1, 2014	0	4972	1.29
1	1	2	Jan 2, 2014	70	4902	1.29
1.5	1.5	3	Jan 3, 2014	59	4843	1.29
2	2	4	Jan 4, 2014	93	4750	1.29
2.5	2.5	5	Jan 5, 2014	96	4654	1.29
3	3	6	Jan 6, 2014	145	4509	1.29
3.5	3.5	7	Jan 7, 2014	179	4329	1.29
4	4	8	Jan 8, 2014	321	4104	1.29
4.5	4.5	9	Jan 9, 2014	125	4459	1.09
5	5	10	Jan 10, 2014	88	5043	1.09
5.5	5.5	11	Jan 11, 2014	188	5239	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 following options are visible:

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

The background shows the same data grid as the first screenshot, with the 'stock' and 'price' columns highlighted.

The screenshot shows the IBM Cognos Analytics interface. On the left, there is a 'Data module' sidebar with a search bar and a list of dates from 2014-01-05 to 2014-01-15, along with 'Sales', 'stock', and 'price' filters. The main area displays a table with the following columns: M data, revenue data, Row Id, Year, Sales, stock, and price. The data is as follows:

M data	revenue data	Row Id	Year	Sales	stock	price
0.5	0.5	1	Jan 1, 2014	0	4972	1.29
1	1	2	Jan 2, 2014	70	4902	1.29
1.5	1.5	3	Jan 3, 2014	59	4843	1.29
2	2	4	Jan 4, 2014	93	4750	1.29
2.5	2.5	5	Jan 5, 2014	96	4654	1.29
3	3	6	Jan 6, 2014	145	4509	1.29
3.5	3.5	7	Jan 7, 2014	179	4329	1.29
4	4	8	Jan 8, 2014	321	4104	1.29
4.5	4.5	9	Jan 9, 2014	125	4459	1.09
5	5	10	Jan 10, 2014	88	5043	1.09
5.5	5.5	11	Jan 11, 2014	188	5239	1.09

Sales-Format Data:

The screenshot shows the 'Data format' dialog box in IBM Cognos Analytics. The 'Column' is set to 'Sales'. The 'Format type' is set to 'Number'. The following options are visible:

- 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 include 'Advanced options' and 'Reset properties'.

The screenshot shows the IBM Cognos Analytics interface. On the left, a 'Data module' sidebar lists dates from 2014-01-05 to 2014-01-15, and a list of data sources: Sales, stock, and price. The main area displays a table with columns: M data, revenue data, Row Id, Year, Sales, stock, and price. The table contains 11 rows of data.

M data	revenue data	Row Id	Year	Sales	stock	price
0.5	0.5	1	Jan 1, 2014	0	4972	1.29
1	1	2	Jan 2, 2014	70	4902	1.29
1.5	1.5	3	Jan 3, 2014	59	4843	1.29
2	2	4	Jan 4, 2014	93	4750	1.29
2.5	2.5	5	Jan 5, 2014	96	4654	1.29
3	3	6	Jan 6, 2014	145	4509	1.29
3.5	3.5	7	Jan 7, 2014	179	4329	1.29
4	4	8	Jan 8, 2014	321	4104	1.29
4.5	4.5	9	Jan 9, 2014	125	4459	1.09
5	5	10	Jan 10, 2014	88	5043	1.09
5.5	5.5	11	Jan 11, 2014	188	5239	1.09

Price-Format Data:

The screenshot shows the 'Column: price' format dialog box in IBM Cognos Analytics. 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 dialog box has 'Advanced options', 'Reset properties', 'Cancel', and 'OK' 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

Z

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various data sources and dates from 2014-01-05 to 2014-01-15. The main area displays a table with the following columns: Row Id, Year, Sales, stock, and price. The table contains 11 rows of data.

Row Id	Year	Sales	stock	price
1	Jan 1, 2014	0	4972	1.29
2	Jan 2, 2014	70	4902	1.29
3	Jan 3, 2014	59	4843	1.29
4	Jan 4, 2014	93	4750	1.29
5	Jan 5, 2014	96	4654	1.29
6	Jan 6, 2014	145	4509	1.29
7	Jan 7, 2014	179	4329	1.29
8	Jan 8, 2014	321	4104	1.29
9	Jan 9, 2014	125	4459	1.09
10	Jan 10, 2014	88	5043	1.09
11	Jan 11, 2014	188	5239	1.09

Revenue-Format Data:

The screenshot shows the 'Data format' dialog box for the 'revenue data' column. The dialog box allows users to configure the format type and various options for the data.

Column:	Format type:	Number of decimal places:	Negative sign symbol:	Use thousands separator:	Negative sign position:	Missing value characters:
revenue data	Number	0	Default	No	Default	<empty>

