

Project Development Phase
Delivery of Sprint-1

Team ID	PNT2022TMID09262
Project Title	Retail Store Stock Inventory Analytics

Project Development Phase:

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

Project Contributors:

- Ezhil Arasu E (310619104033)
- Hrithik S (310619104040)
- Kathirmani S (310619104055)
- Kumaran S (310619104058)

Sprint - 1:

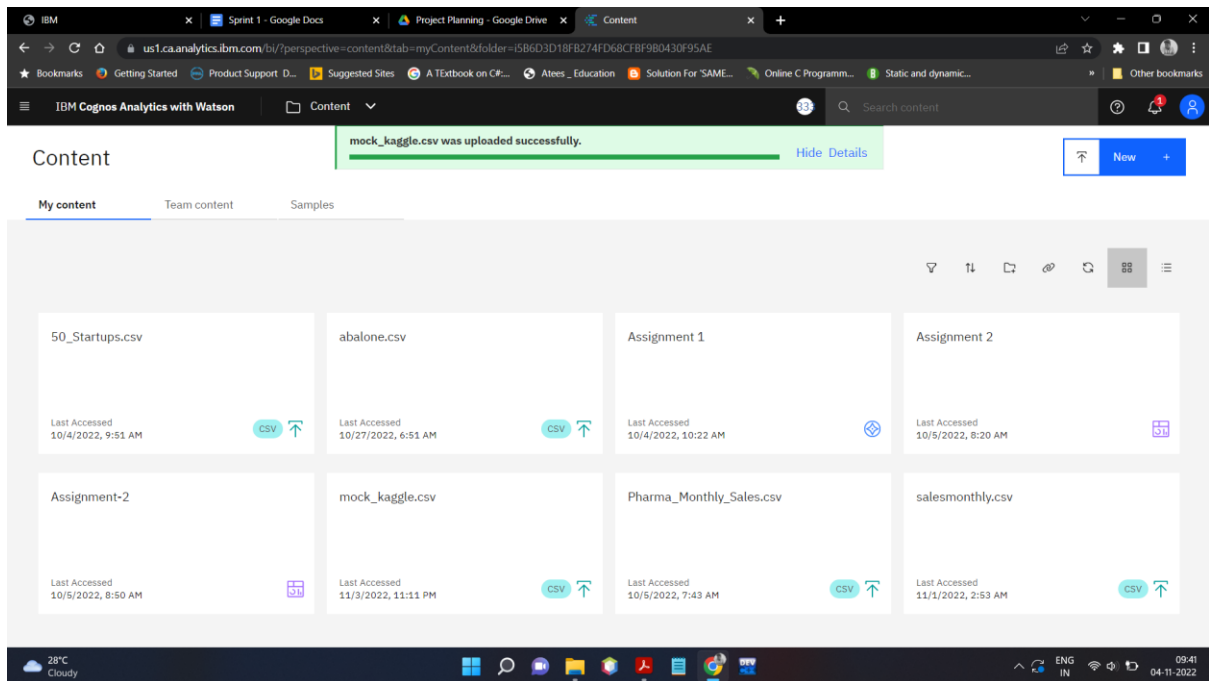
Data Collection:

Download the Dataset

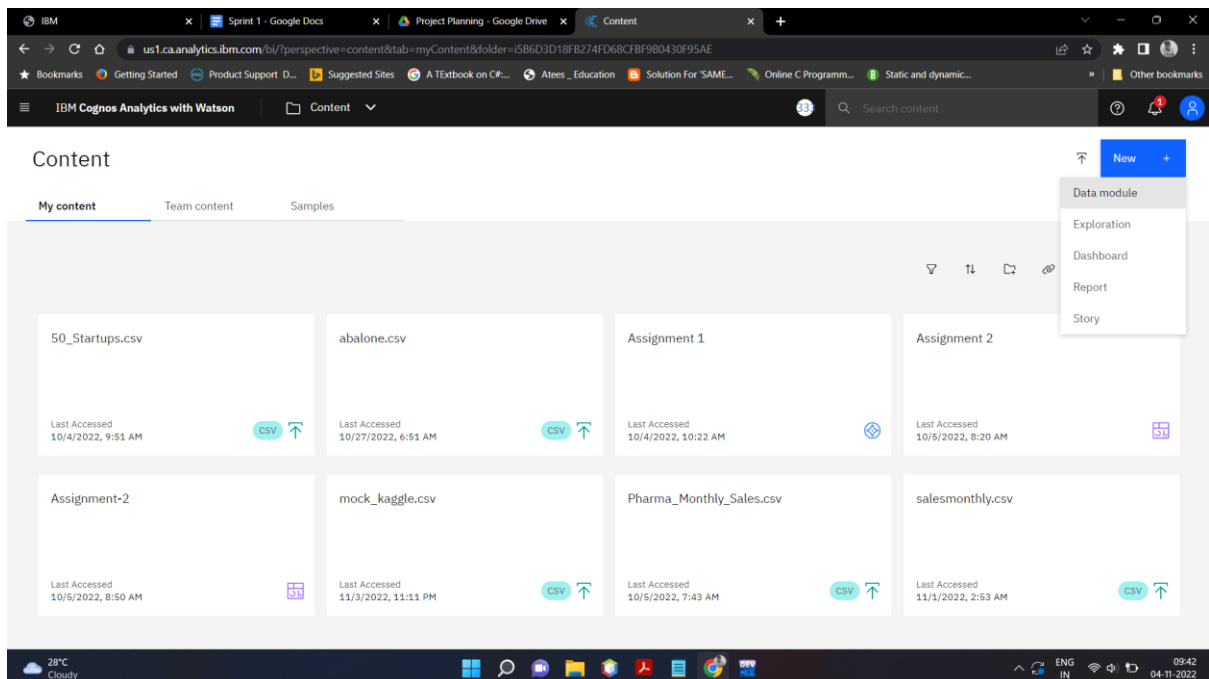
Dataset link - <https://drive.google.com/drive/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy>

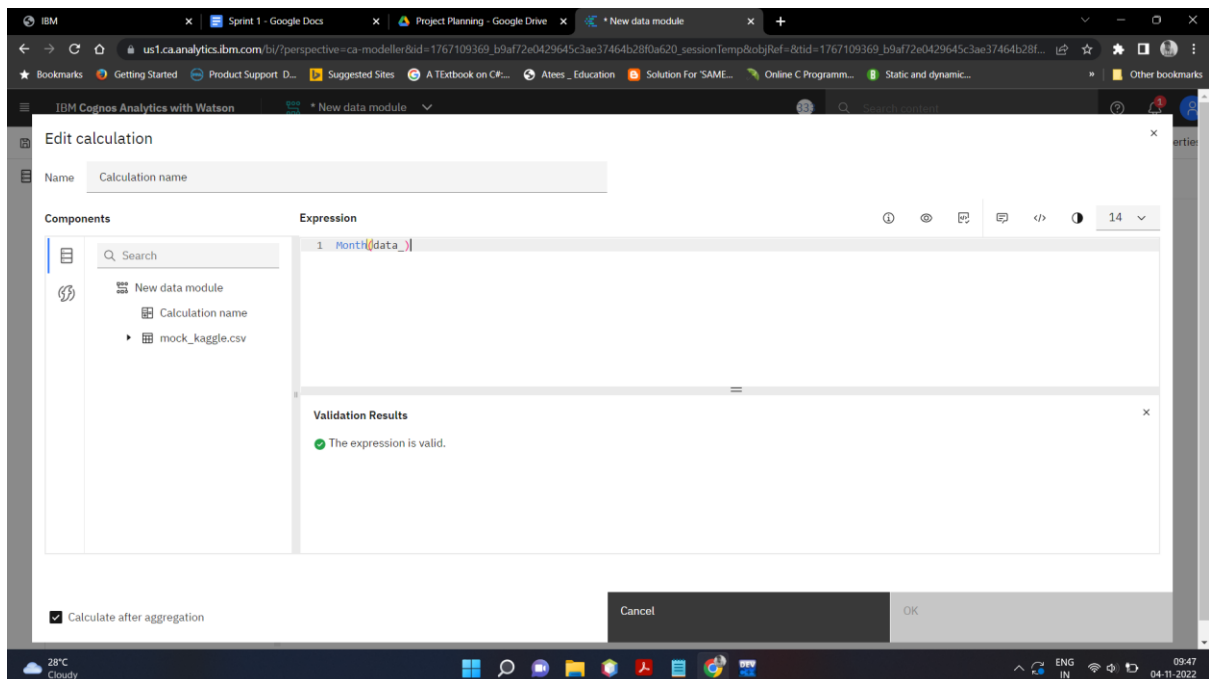
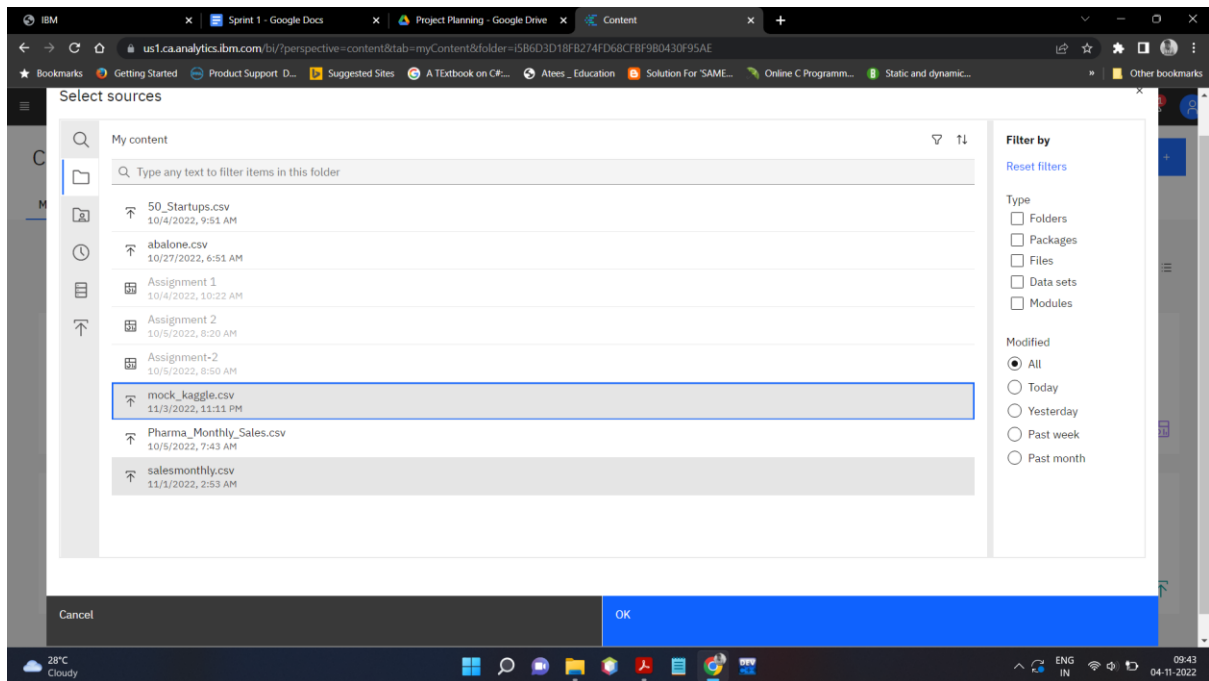
Load the Dataset:

Tool used – IBM Cognos



Creating New Module:





Month Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar is open, displaying a search bar and a list of modules: 'New data module', 'Navigation paths', 'mock_kaggle.csv', and '# Month Data' (which is selected and highlighted with a blue border). Below these are 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The main area shows a table with the following columns: 'Month Data', 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The table contains 13 rows of data, all with a 'Row Id' of 1. The 'data' column lists dates from 2014-01-01 to 2014-01-13. The 'venda' column shows values from 0 to 134. The 'estoque' column shows values from 4972 to 4984. The 'preco' column shows values from 1.29 to 1.09. The bottom of the screen shows a Windows taskbar with a weather widget indicating 28°C and a date of 04-11-2022.

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. On the left, the 'Data module' sidebar is open, displaying a search bar and a list of modules: 'Sprint 1', 'Navigation paths', 'mock_kaggle.csv', and '# Revenue Data' (which is selected and highlighted with a blue border). Below these are 'Month Data', 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The main area shows a table with the following columns: 'Revenue Data', 'Month Data', 'Row Id', 'data', 'venda', 'estoque', and 'preco'. The table contains 13 rows of data, all with a 'Month Data' of 1. The 'Row Id' column lists values from 1 to 13. The 'data' column lists dates from 2014-01-01 to 2014-01-13. The 'venda' column shows values from 0 to 134. The 'estoque' column shows values from 4972 to 4984. The 'preco' column shows values from 1.29 to 1.09. The bottom of the screen shows a Windows taskbar with a weather widget indicating 29°C and a date of 04-11-2022.

Revenue Data	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

Year Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: Revenue Data, Month Data, Row Id, Date, Sales, Stock, and Price. The 'Date' item is selected. The main area displays a table with columns: Data, Month Data, Row Id, Date, Sales, Stock, and Price. The table contains 13 rows of data for January 2014.

Data	Month Data	Row Id	Date	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

Stock Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: Revenue Data, Month Data, Row Id, Date, Sales, Stock, and Price. The 'Stock' item is selected. The main area displays a table with columns: Data, Month Data, Row Id, Date, Sales, Stock, and Price. The table contains 13 rows of data for January 2014.

Data	Month Data	Row Id	Date	Sales	Stock	Price
1		1	Jan/1/2014	0	4972	1.29
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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 Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: Revenue Data, Month Data, Row Id, Date, Sales, Stock, and Price. The 'Price' item is selected. The main area displays a table with columns: Data, Month Data, Row Id, Date, Sales, Stock, and Price. The table contains 13 rows of data for January 2014.

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

Sales Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: Revenue Data, Month Data, Row Id, Date, Sales, Stock, and Price. The 'Sales' item is selected. The main area displays a table with columns: Data, Month Data, Row Id, Date, Sales, Stock, and Price. The table contains 13 rows of data for January 2014.

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

Month Format Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: '# Revenue Data', '# Month Data', '# Row Id', and 'Date' (selected). The main area displays a table with columns: 'Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Date' column shows dates from 1/1/14 to 1/13/14. The bottom status bar shows '29°C Cloudy' and the date '04-11-2022'.

Data	Month Data	Row Id	Date	Sales	Stock	Price
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
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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:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with sub-items: '# Revenue Data', '# Month Data', '# Row Id', and 'Date' (selected). The main area displays a table with columns: 'Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Date' column shows dates from Jan/1/2014 to Jan/13/2014. The bottom status bar shows '29°C Cloudy' and the date '04-11-2022'.

Data	Month Data	Row Id	Date	Sales	Stock	Price
1		1	Jan/1/2014	0	4972	1.29
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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. On the left, the 'Data module' sidebar lists 'mock_kaggle.csv' with a tree structure: # Revenue Data, # Month Data, # Row Id, Date, Sales, Stock, and Price. The 'Stock' item is selected. The main area displays a table with columns: Data, Month Data, Row Id, Date, Sales, Stock, and Price. The table contains 13 rows of data for January 2014.

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1	6	6	Jan/6/2014	145	4509	1.29
1	7	7	Jan/7/2014	179	4329	1.29
1	8	8	Jan/8/2014	321	4104	1.29
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1	12	12	Jan/12/2014	121	5118	1.09
1	13	13	Jan/13/2014	134	4984	1.09

Sales Format Data:

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1	10	10	Jan/10/2014	88	5043	1.09
1	11	11	Jan/11/2014	188	5239	1.09
1	12	12	Jan/12/2014	121	5118	1.09
1	13	13	Jan/13/2014	134	4984	1.09

Price Format Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists 'mock_kaggle.csv' with a tree view containing 'Revenue Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Price' column is selected. The main grid view displays a table with 13 rows and 7 columns: 'Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Price' column is highlighted in blue.

Data	Month Data	Row Id	Date	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
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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

Revenue Format Data:

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists 'mock_kaggle.csv' with a tree view containing 'Revenue Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Revenue Data' column is selected. The main grid view displays a table with 13 rows and 7 columns: 'Revenue Data', 'Month Data', 'Row Id', 'Date', 'Sales', 'Stock', and 'Price'. The 'Revenue Data' column is highlighted in blue.

Revenue Data	Month Data	Row Id	Date	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
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1	1	12	Jan/12/2014	121	5118	1.09
1	1	13	Jan/13/2014	134	4984	1.09

Cognos Link:

[https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my folders%2FSprint%2B1](https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my%20folders%2FSprint%2B1)