

Project Development Phase

Delivery of Sprint - 1

Date	29 October 2022
Team ID	PNT2022TMID32704
Project Name	Retail Store Stock Inventory Analytics

Project Development Phase:

Sprint 1:

- Data Collection
- Data Filtration

Sprint 2:

- Data Visualization

Sprint 3:

- Dashboard Creation

Sprint 4:

- Report Creation
- Story Creation

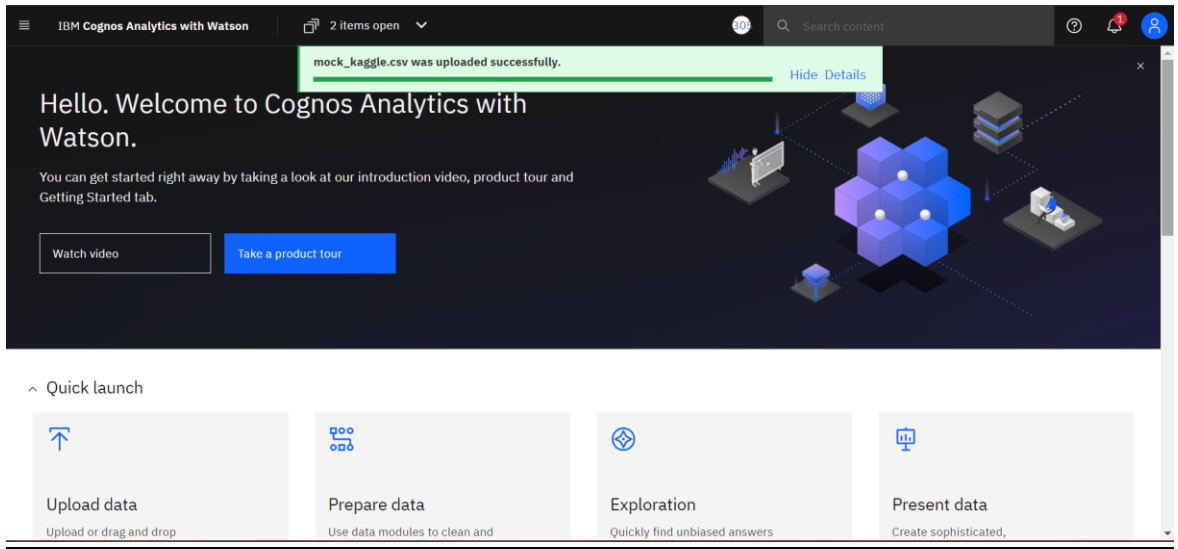
Sprint -1:

Data Collection:

Downloading the Dataset:

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

Loading the Dataset using IBM COGNOS ANALYTICS:



Data Filtration:

Filtering the dataset and preparing by using data modules to clean and connect data from multiple modules.

The screenshot displays the IBM Cognos Analytics interface. The top navigation bar includes the logo, 'IBM Cognos Analytics with Watson', a 'New data module' dropdown, a search bar, and user profile icons. Below the navigation bar is a toolbar with icons for file operations and a 'Properties' button. The main workspace is divided into a left sidebar and a central table view.

Data module sidebar:

- Search
- New data module
- Navigation paths
- mock_kaggle.csv
 - Month_Data
 - Revenue
 - Row Id
 - Year
 - sales
 - Stock
 - Price

Table View (Grid):

Month_Data	Revenue	Row Id	Year	sales	Stock
1	0	1	1/1/14	0	4972
1	90	2	1/2/14	70	4902
1	76	3	1/3/14	59	4843
1	120	4	1/4/14	93	4750
1	124	5	1/5/14	96	4654
1	187	6	1/6/14	145	4509
1	231	7	1/7/14	179	4329
1	414	8	1/8/14	321	4104
1	136	9	1/9/14	125	4459
1	96	10	1/10/14	88	5043
1	205	11	1/11/14	188	5239

Month Data:

- Creating a new calculation to get the month data.

The screenshot displays the IBM Cognos Analytics interface. At the top, a dark header bar contains the text "IBM Cognos Analytics with Watson" and a "Learn More" button. Below the header, a "Create calculation" dialog is open. The dialog has a "Name" field containing "Month_Data". The "Components" panel on the left shows a tree structure with "mock_kaggle.csv" at the top, followed by "# Row Id", "data", "venda", "estoque", and "preco". The "Expression" field contains the formula "1 month(data_)". Below the expression field, an "Information" panel provides details about the "month" function: "month (date_expression)", "Returns the month (an integer from 1-12) from 'date_expression'.", and an example: "month (2005-11-01):" followed by "Result: Returns 11.".

IBM Cognos Analytics with Watson [Learn More](#) Search content

Create calculation

Name: Month_Data

Components

- mock_kaggle.csv
 - # Row Id
 - data
 - venda
 - estoque
 - preco

Expression

1 month(data_)







Information

month (date_expression)




Returns the month (an integer from 1-12) from "date_expression".


month (2005-11-01):


Result: Returns 11.



     


Properties


 Data module  


 Search


 New data module


 Navigation paths 


 mock_kaggle.csv


 Month_Data


 Revenue


 # Row Id


 Year


 sales

 Stock

 Price

 Grid

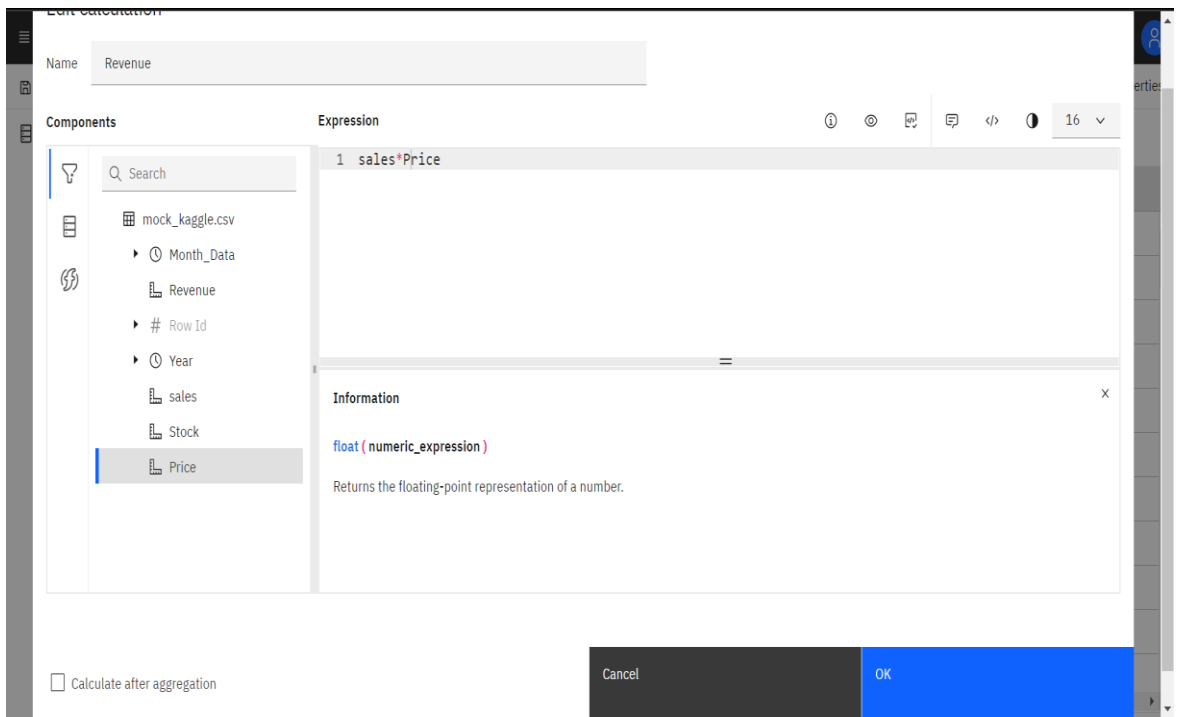
 Relationships

 Custom tables

	Month_Data	Revenue	Row Id	Year	sales	Stock
1		0	1	1/1/14	0	4972
1		90	2	1/2/14	70	4902
1		76	3	1/3/14	59	4843
1		120	4	1/4/14	93	4750
1		124	5	1/5/14	96	4654
1		187	6	1/6/14	145	4509
1		231	7	1/7/14	179	4329
1		414	8	1/8/14	321	4104
1		136	9	1/9/14	125	4459
1		96	10	1/10/14	88	5043
1		205	11	1/11/14	188	5239

Revenue Data:

- Creating a new calculation to get the revenue data.



Grid

Relationships

Custom tables

Search

New data module

Navigation paths

mock_kaggle.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

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

Year Data:

IBM Cognos Analytics with Watson

New data module

90%

Search content

Grid

Relationships

Custom tables

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Grid

Relationships

Custom tables

Row Id	Year	sales	Stock
1	1/1/14	0	4972
2	1/2/14	70	4902
3	1/3/14	59	4843
4	1/4/14	93	4750
5	1/5/14	96	4654
6	1/6/14	145	4509
7	1/7/14	179	4329
8	1/8/14	321	4104
9	1/9/14	125	4459
10	1/10/14	88	5043
11	1/11/14	188	5239

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

Sales Data:

IBM Cognos Analytics with Watson

New data module

30

Search content

1

Grid

Relationships

Custom tables

Properties

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Grid

Relationships

Custom tables

Row Id

Year

sales

Stock

1

2

3

4

5

6

7

8

9

10

11

1/1/14

1/2/14

1/3/14

1/4/14

1/5/14

1/6/14

1/7/14

1/8/14

1/9/14

1/10/14

1/11/14

0

70

59

93

96

145

179

321

125

88

188

4972

4902

4843

4750

4654

4509

4329

4104

4459

5043

5239

General

Label

Hide from users

Expression

Usage

Aggregate

Data type

Represents

Default

Lookup reference

Description

sales

View or edit

Measure

Total

Integer

None

Stock Data:

IBM Cognos Analytics with Watson

New data module

90%

Search content

1

0

Grid

Relationships

Custom tables

Properties

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Id	Year	sales	Stock
1/1/14	0	4972	
1/2/14	70	4902	
1/3/14	59	4843	
1/4/14	93	4750	
1/5/14	96	4654	
1/6/14	145	4509	
1/7/14	179	4329	
1/8/14	321	4104	
1/9/14	125	4459	
1/10/14	88	5043	
1/11/14	188	5239	

General

Label

Stock

Hide from users

Expression

View or edit

Usage

Measure

Aggregate

Total

Data type

Integer

Represents

Default

Lookup reference

None

Description

Price Data:

IBM Cognos Analytics with Watson

New data module

90%

Search content

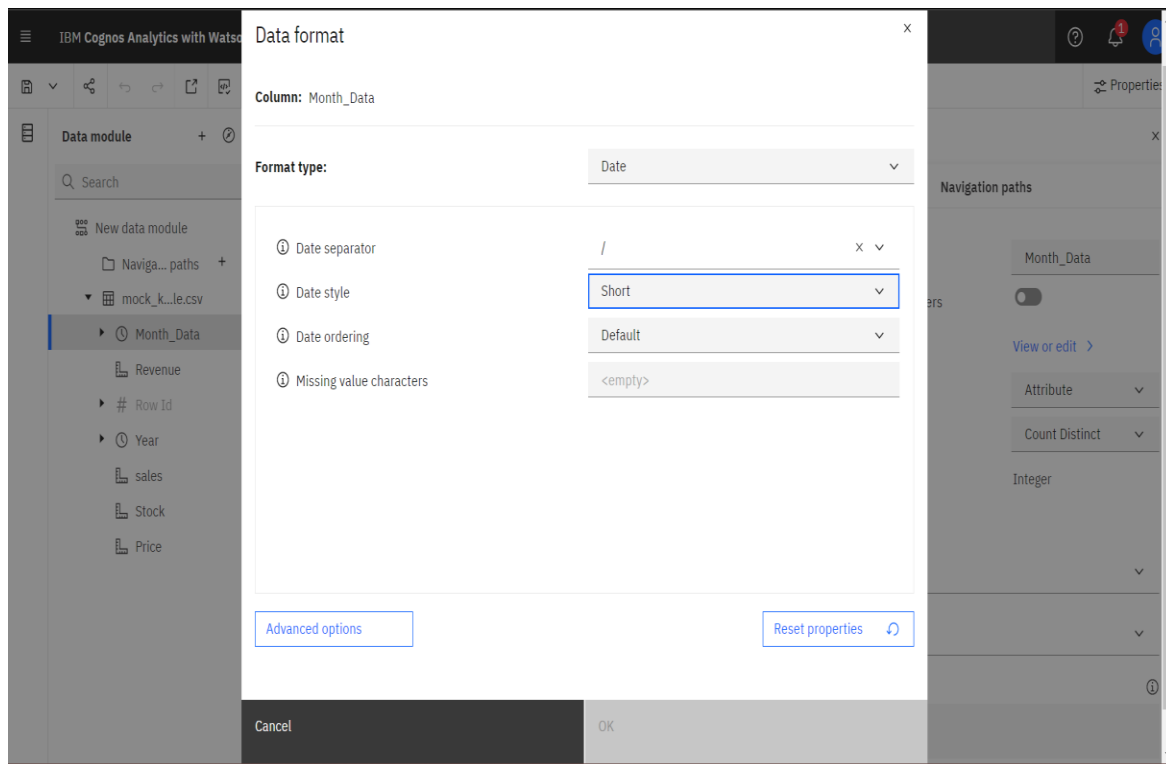
?

1

Properties

<

Month-Format Data:



Grid

Relationships

Custom tables

Month_Data

Revenue

Row Id

Year

1	0	1	1/1/14
1	90.3	2	1/2/14
1	76.11	3	1/3/14
1	119.97	4	1/4/14
1	123.84	5	1/5/14
1	187.05	6	1/6/14
1	230.91	7	1/7/14
1	414.09000000000003	8	1/8/14
1	136.25	9	1/9/14
1	95.92	10	1/10/14
1	204.92000000000002	11	1/11/14
1	131.89000000000001	12	1/12/14

Properties

General

Navigation paths

Label

Month_Data

Hide from users

☐

Expression

View or edit

Usage

Attribute

Aggregate

Count Distinct

Data type

Integer

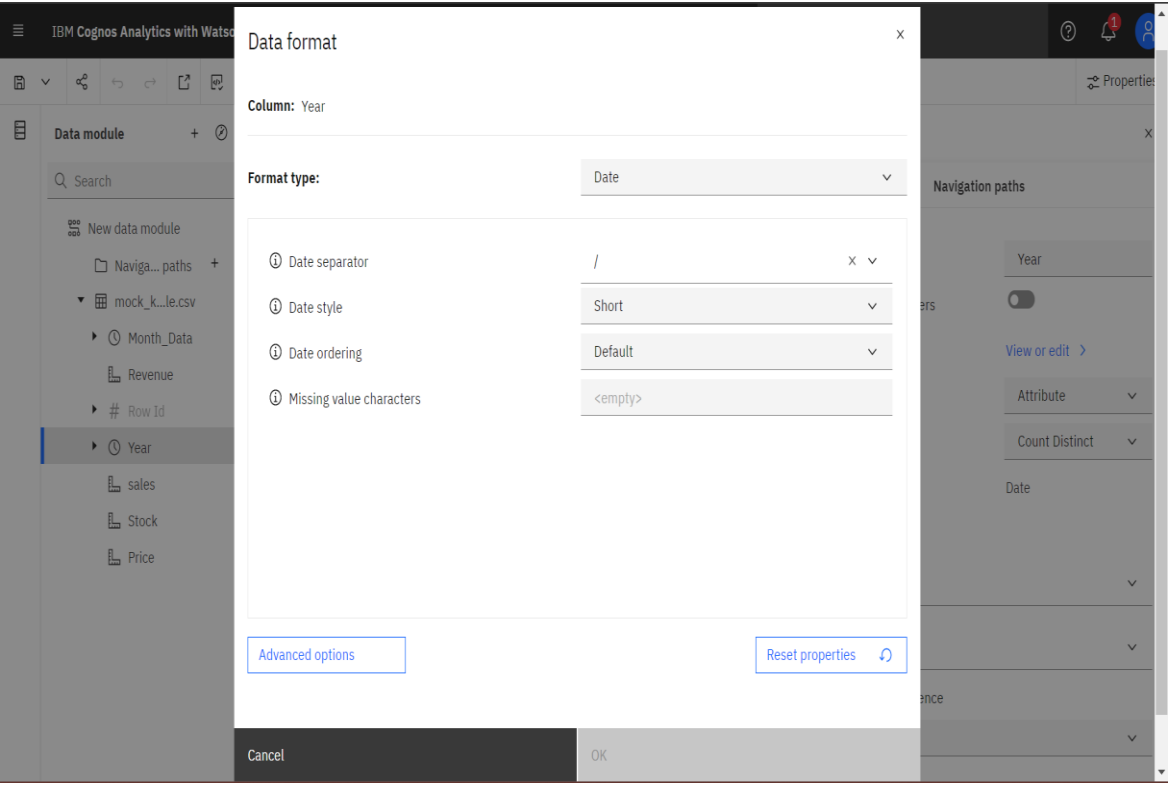
Represents

Time

Month

Description

Year-Format Data:



Grid

Relationships

Custom tables

nth_Data

Revenue

Row Id

Year

0	1	1/1/14
90.3	2	1/2/14
76.11	3	1/3/14
119.97	4	1/4/14
123.84	5	1/5/14
187.05	6	1/6/14
230.91	7	1/7/14
414.09000000000003	8	1/8/14
136.25	9	1/9/14
95.92	10	1/10/14
204.92000000000002	11	1/11/14
131.89000000000001	12	1/12/14

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

Data module

Search

New data module

Navigation paths

mock_k...le.csv

Month_Data

Revenue

Row Id

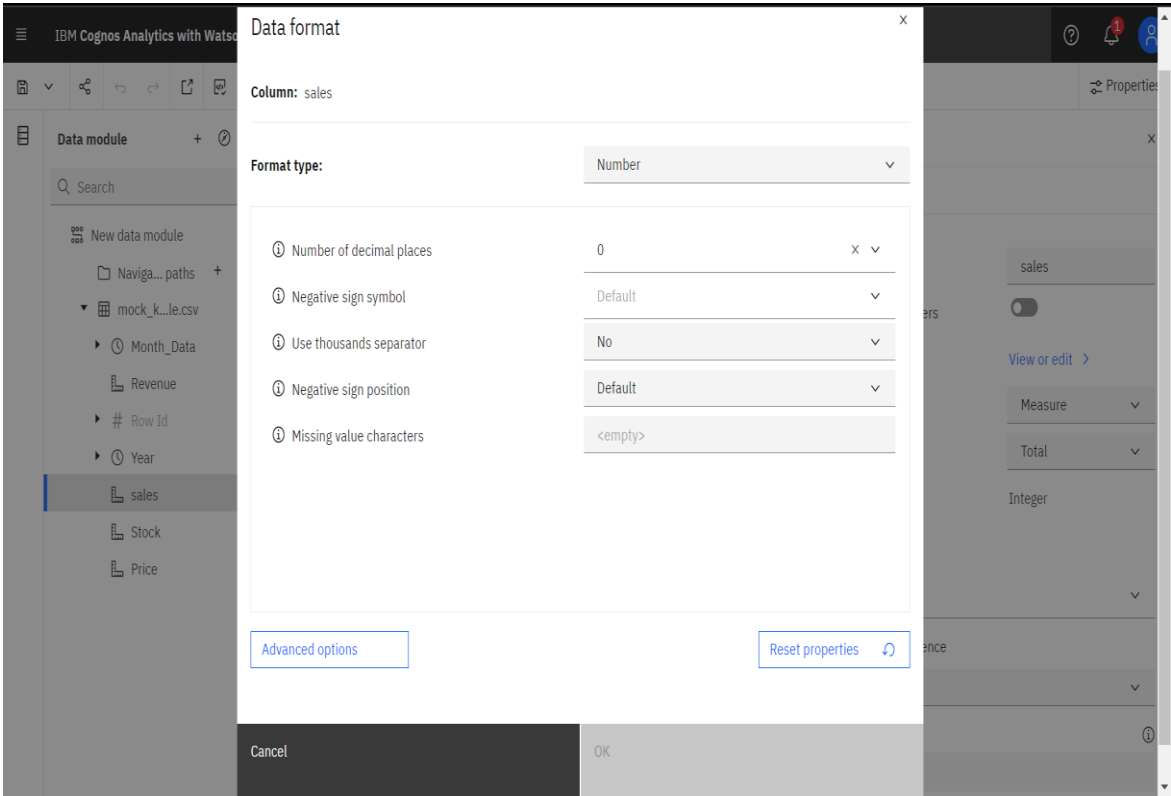
Year

sales

Stock

Price

Sales-Format Data:



Grid

Relationships

Custom tables

Properties

General

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

revenue	Row Id	Year	sales
	1	1/1/14	0
3	2	1/2/14	70
11	3	1/3/14	59
1.97	4	1/4/14	93
1.84	5	1/5/14	96
1.05	6	1/6/14	145
1.91	7	1/7/14	179
1.090000000000003	8	1/8/14	321
1.25	9	1/9/14	125
92	10	1/10/14	88
1.920000000000002	11	1/11/14	188
1.890000000000001	12	1/12/14	121

Label

sales

Hide from users

Expression

View or edit

Usage

Measure

Aggregate

Total

Data type

Integer

Represents

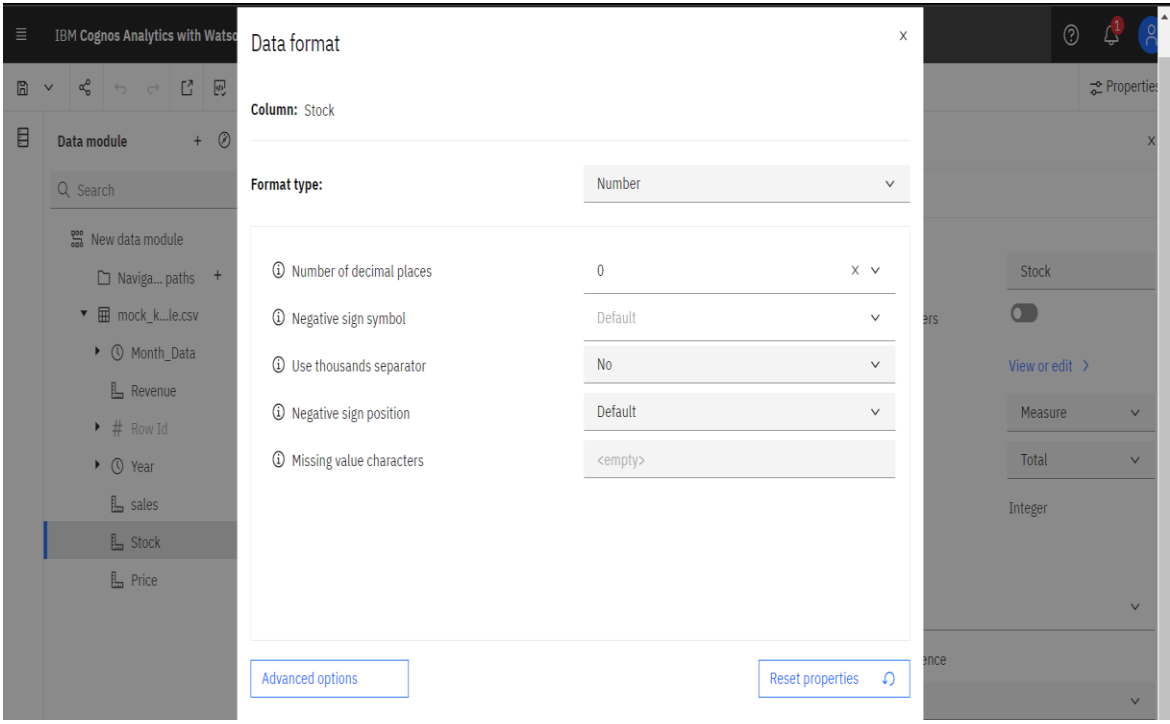
Default

Lookup reference

None

Description

Stock-Format Data:



IBM Cognos Analytics with Watson

File Edit View Help

Home Perspectives Dashboards Reports

Navigation pane

Search

New data module

Navigation paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Data format

Column: Stock

Format type: Number

Number of decimal places

0

x

Negative sign symbol

Default

Use thousands separator

No

Negative sign position

Default

Missing value characters

<empty>

Advanced options

Reset properties

Properties

Stock

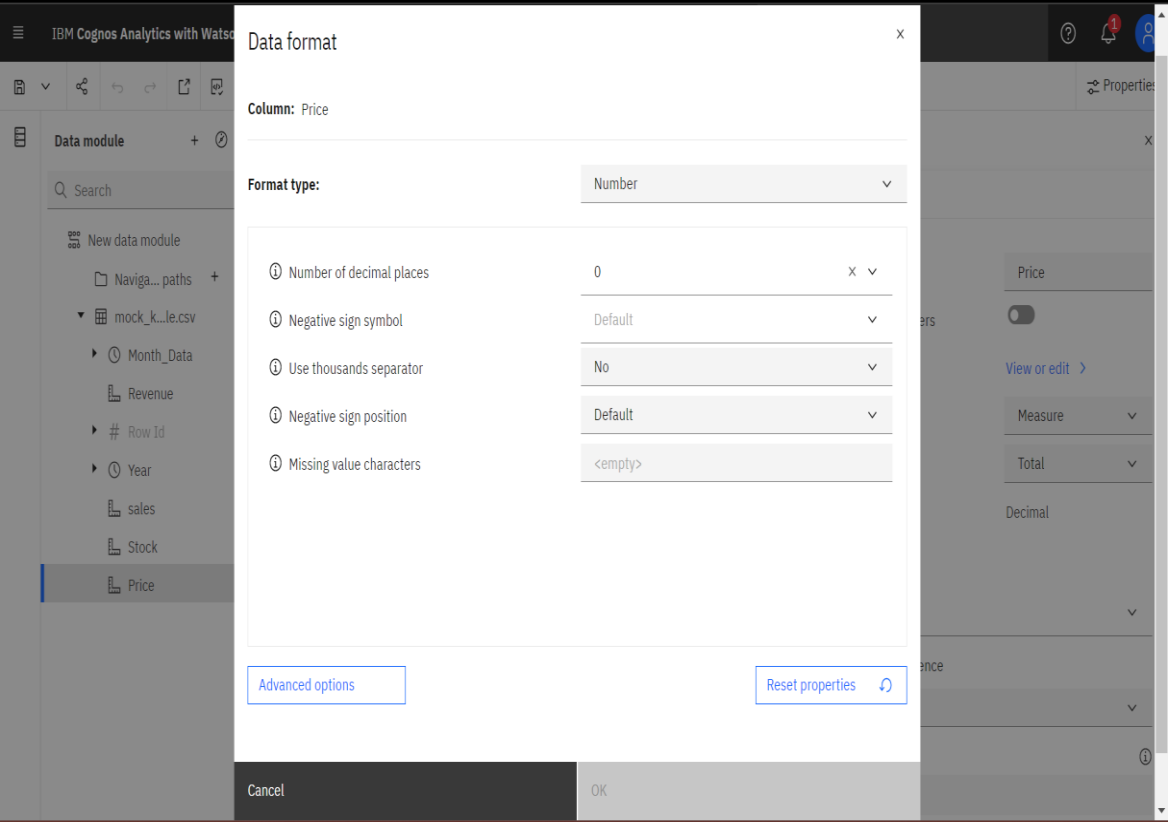
View or edit

Measure

Total

Integer

Price-Format Data:



Data module

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Grid

Relationships

Custom tables

ir	sales	Stock	Price
/14	0	4972	1
/14	70	4902	1
/14	59	4843	1
/14	93	4750	1
/14	96	4654	1
/14	145	4509	1
/14	179	4329	1
/14	321	4104	1
/14	125	4459	1
0/14	88	5043	1
1/14	188	5239	1
2/14	121	5118	1

Properties

General

LabelPrice

Hide from users

ExpressionView or edit

UsageMeasure

AggregateTotal

Data typeDecimal

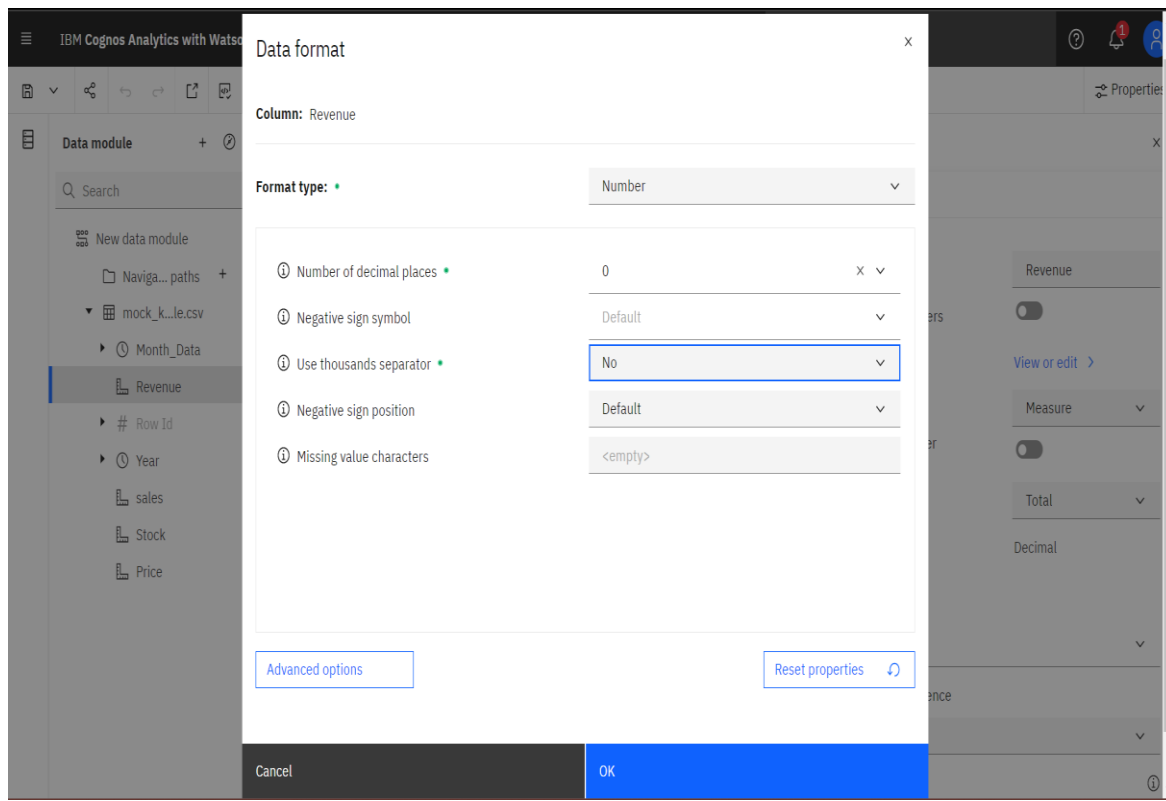
Represents

Default

Lookup referenceNone

Description

Revenue-Format Data:



Data module

Search

New data module

Naviga... paths

mock_k...le.csv

Month_Data

Revenue

Row Id

Year

sales

Stock

Price

Grid

Relationships

Custom tables

Revenue	Row Id	Year	sales
0	1	1/1/14	0
90	2	1/2/14	70
76	3	1/3/14	59
120	4	1/4/14	93
124	5	1/5/14	96
187	6	1/6/14	145
231	7	1/7/14	179
414	8	1/8/14	321
136	9	1/9/14	125
96	10	1/10/14	88
205	11	1/11/14	188
132	12	1/12/14	121

Properties

General

Label

Revenue

Hide from users

Expression

View or edit

Usage

Measure

Calculate after aggregation

Aggregate

Total

Data type

Decimal

Represents

Default

Lookup reference

None

Description

Prepared Data Link(Using Cognos Analytics):

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.public_folders%2FSprint%2B1%2FNew%2Bdata%2Bmodule