

Retail Store Stock Inventory Analytics

https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FInventory%2Bcleaned%2Bdata%2Bset

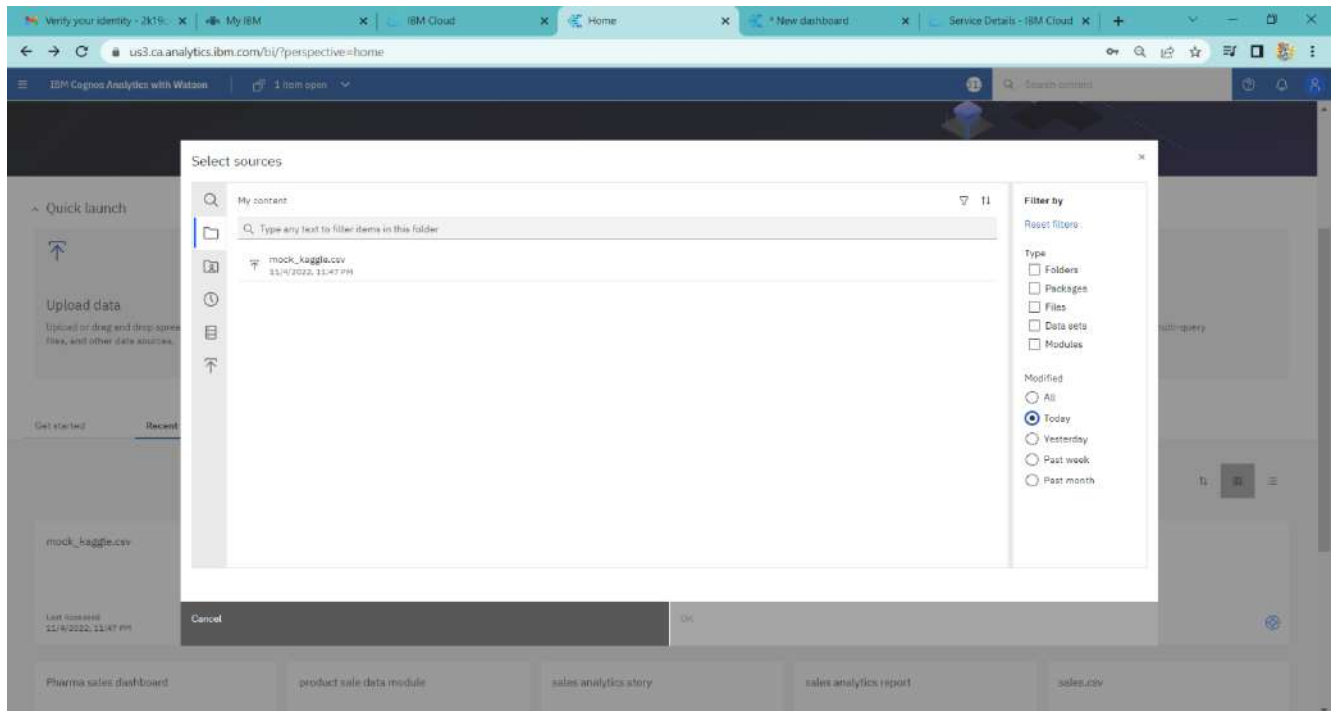
The screenshot displays the IBM Analytics interface, which is divided into two main sections: a top navigation bar and a main content area.

Top Navigation Bar: Includes a search bar, a user profile icon, and a language selector (ENG). Below the navigation bar, a status bar shows a message: "mock_kaggle.csv was uploaded successfully." with a "Hide Details" link.

Main Content Area: The interface is organized into a grid of tiles. The top row contains four tiles: "Upload data" (with an icon of a folder and an arrow), "Prepare data" (with an icon of a document and a checkmark), "Exploration" (with an icon of a magnifying glass), and "Present data" (with an icon of a presentation screen). Below these tiles, there is a "Recent" section displaying a list of files and folders. The files listed include "mock_kaggle.csv", "Inventory Management dataset.zip", "Retail Store stock data module", "assignment 1", "inventory", "Pharma sales dashboard", "product sale data module", "sales analytics story", "sales analytics report", and "sales.csv". Each file tile shows the file name, a small icon, and the "Last Accessed" date and time.

File Upload Dialog: A file upload dialog is open in the top left corner, showing the file "mock_kaggle" selected from the "Inventory Management dataset" folder. The dialog includes a "File name" field, a "Custom Files" dropdown, and "Open" and "Cancel" buttons.

Browser Tabs: The browser tabs at the bottom show several open tabs, including "IBM - Google...", "retail_store_st...", "Doc1 - Micro...", "Home", "IBM Cloud", "Service Details - IBM Cloud", and "New dashboard".



The screenshot shows the IBM Cognos Analytics interface with a data table. The table has columns: Row Id, Date, Sold, Stock, and Price. The table contains 19 rows of data.

Row Id	Date	Sold	Stock	Price
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	99	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	126	4489	1.09
10	2014-01-10	80	5043	1.09
11	2014-01-11	168	5239	1.09
12	2014-01-12	121	5116	1.09
13	2014-01-13	134	5984	1.09
14	2014-01-14	80	4904	1.09
15	2014-01-15	82	4822	1.09
16	2014-01-16	94	4728	1.19
17	2014-01-18	159	4464	1.19
18	2014-01-19	199	4265	1.19
19	2014-01-20	104	4161	1.19

IBM Cognos Analytics with Watson

Grid Relationships Custom tables

Search

New data module

Navigation paths

mock_jaggle.csv

Row Id

Date

Sold

Stock

Price

New

Calculation...

Filter...

Folder

Table...

Show query information...

Specify column dependencies

Refresh members

Hide from users

Remove

Refresh properties...

TI Sort...

Rename

Cut

Copy

Manage filters

Properties

TI	Row Id	Date	Sold	Stock	Price
	1	2014-01-01	0	4972	1.29
	2	2014-01-02	70	4902	1.29
		2014-01-03	99	4843	1.29
		2014-01-04	93	4750	1.29
		2014-01-05	96	4664	1.29
		2014-01-06	145	3509	1.29
		2014-01-07	179	3329	1.29
		2014-01-08	321	3104	1.29
		2014-01-09	126	4439	1.09
		2014-01-10	88	5043	1.09
		2014-01-11	108	5239	1.09
		2014-01-12	121	5118	1.09
		2014-01-13	134	5964	1.09
		2014-01-14	80	4904	1.09
		2014-01-15	82	4822	1.09
		2014-01-16	94	4728	1.19
	17	2014-01-18	159	4464	1.19
	18	2014-01-19	199	4265	1.19
	19	2014-01-20	104	3161	1.19

IBM Cognos Analytics with Watson

Create calculation

Name Calculation name

Components

mock_jaggle.csv

Row Id

Date

Sold

Stock

Price

Expression

1

Information

Calculate after aggregation

Cancel

Verify your identity - 2k15... X My IBM X IBM Cloud X * New data module X * New dashboard X Service Details - IBM Cloud X +

us3.ca.analytics.ibm.com/bl/?perspective=co-modeller&id=3019265856_b0247c1fa37648cb8ab9852a8756d82_sessionTemp&objRef=8&id=3019265856_b0247c1fa37648cb8ab985...

IBM Cognos Analytics with Watson | * New data module | Search content

Create calculation

Name: M_Date

Components

- mock_haggle.csv
 - # Row Id
 - Date
 - 2014-01-01
 - 2014-01-02
 - 2014-01-03
 - 2014-01-04
 - 2014-01-05
 - 2014-01-06
 - 2014-01-07
 - 2014-01-08
 - 2014-01-09
 - 2014-01-10
 - 2014-01-11
 - 2014-01-12
 - 2014-01-13
 - 2014-01-14

Expression

1 month([Date], 1)

Validation Results

The expression is valid.

☐ Calculate after aggregation

Cancel OK

19 2014-01-20 104 4161 2.19

Type here to search

Verify your identity - 2k15... X My IBM X IBM Cloud X * New data module X * New dashboard X Service Details - IBM Cloud X +

us3.ca.analytics.ibm.com/bl/?perspective=co-modeller&id=3019265856_b0247c1fa37648cb8ab9852a8756d82_sessionTemp&objRef=8&id=3019265856_b0247c1fa37648cb8ab985...

IBM Cognos Analytics with Watson | * New data module | Search content

Data module

- New data module
- Navigation paths
- mock_haggle.csv
 - # M_Date
 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
 - 10
 - 11
 - 12
 - # Row Id
 - Date
 - Sold
 - Stock
 - Price

Grid Relationships Custom tables

T1	M_Date	Row Id	Date	Sold	Stock	Price
1	20	20	2014-01-21	70	4091	1.19
1	21	21	2014-01-22	127	1964	1.09
1	22	22	2014-01-23	96	3868	1.09
1	23	23	2014-01-24	76	3793	1.09
1	24	24	2014-01-25	198	3395	1.09
1	25	25	2014-01-26	160	3427	1.09
1	26	26	2014-01-27	125	3302	1.09
1	27	27	2014-01-28	86	3216	1.09
1	28	28	2014-01-29	222	2994	0.99
1	29	29	2014-01-30	272	2723	0.99
1	30	30	2014-01-31	209	2324	0.99
2	31	31	2014-02-01	369	2145	0.99
2	32	32	2014-02-02	217	1928	0.99
2	33	33	2014-02-03	97	1831	0.99
2	34	34	2014-02-04	117	1714	0.99
2	35	35	2014-02-05	100	1998	1.29
2	36	36	2014-02-06	64	2126	1.29
2	37	37	2014-02-07	35	2091	1.29
2	38	38	2014-02-08	54	2017	1.29

Type here to search

* New data module X IBM - Google X retail_store_STL Doc1 - Micro... 30°C 10:29 AM 11/5/2022

IBM Cognos Analytics interface showing a data module with a table view. The table displays columns: Row ID, Date, Sold, Stock, and Price. The left sidebar shows the data module structure with 'M_Date' selected. The right sidebar shows the 'Properties' panel for 'M_Date'.

Row ID	Date	Sold	Stock	Price
1	2014-01-21	70	4091	1.19
1	2014-01-22	127	2944	1.09
1	2014-01-23	96	3660	1.09
1	2014-01-24	70	2793	1.09
1	2014-01-25	108	3596	1.09
1	2014-01-26	168	2427	1.09
1	2014-01-27	138	3302	1.09
1	2014-01-28	86	3216	1.09
1	2014-01-29	222	2994	0.99
1	2014-01-30	279	2728	0.99
1	2014-01-31	209	2814	0.99
2	2014-02-01	369	2148	0.99
2	2014-02-02	217	1928	0.99
2	2014-02-03	97	1831	0.99
2	2014-02-04	137	1714	0.99
2	2014-02-05	100	1999	1.29
2	2014-02-06	64	2136	1.29
2	2014-02-07	36	2091	1.29
2	2014-02-08	94	2037	1.29
2	2014-02-09	88	1963	1.29
2	2014-02-10	8	7228	1.29
2	2014-02-11	83	7188	1.09
2	2014-02-12	107	7078	1.09

IBM Cognos Analytics interface showing a data module with a table view. The table displays columns: Row ID, Date, Sold, Stock, and Price. The left sidebar shows the data module structure with 'Date' selected. The right sidebar shows the 'Properties' panel for 'Date'.

Row ID	Date	Sold	Stock	Price
1	2014-01-21	70	4091	1.19
1	2014-01-22	127	2944	1.09
1	2014-01-23	96	3660	1.09
1	2014-01-24	70	2793	1.09
1	2014-01-25	108	3596	1.09
1	2014-01-26	168	2427	1.09
1	2014-01-27	138	3302	1.09
1	2014-01-28	86	3216	1.09
1	2014-01-29	222	2994	0.99
1	2014-01-30	279	2728	0.99
1	2014-01-31	209	2814	0.99
2	2014-02-01	369	2148	0.99
2	2014-02-02	217	1928	0.99
2	2014-02-03	97	1831	0.99
2	2014-02-04	137	1714	0.99
2	2014-02-05	100	1999	1.29
2	2014-02-06	64	2136	1.29
2	2014-02-07	36	2091	1.29
2	2014-02-08	94	2037	1.29
2	2014-02-09	88	1963	1.29
2	2014-02-10	8	7228	1.29
2	2014-02-11	83	7188	1.09
2	2014-02-12	107	7078	1.09

IBM Cognos Analytics with Watson

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Data module

Search

new data module

Navigation paths

new_data.module

M_Date

Date

sales

Stock

Price

TL	M_Date	Row ID	Date	sales	Stock	Price
1	20	20	2014-01-21	70	4091	1.29
1	21	21	2014-01-22	127	2944	1.09
1	22	22	2014-01-23	96	2660	1.09
1	23	23	2014-01-24	70	2793	1.09
1	24	24	2014-01-25	108	3896	1.09
1	25	25	2014-01-26	168	3427	1.09
1	26	26	2014-01-27	126	3202	1.09
1	27	27	2014-01-28	86	3216	1.09
1	28	28	2014-01-29	222	2994	0.99
1	29	29	2014-01-30	272	2728	0.99
1	30	30	2014-01-31	309	2614	0.99
2	31	31	2014-02-01	369	2146	0.99
2	32	32	2014-02-02	217	1928	0.99
2	33	33	2014-02-03	97	1831	0.99
2	34	34	2014-02-04	137	1714	0.99
2	35	35	2014-02-05	100	1999	1.29
2	36	36	2014-02-06	64	2126	1.29
2	37	37	2014-02-07	36	2092	1.29
2	38	38	2014-02-08	94	2037	1.29
2	39	39	2014-02-09	86	1963	1.29
2	40	40	2014-02-12	8	7228	1.29
2	41	41	2014-02-13	43	7188	1.09
2	42	42	2014-02-14	107	7076	1.09

Properties

General

Label

Hide from users

Expression

Usage

Aggregate

Data type

Increments

Default

Lookup reference

None

Description

Comments

Screen tip

Advanced

IBM Cognos Analytics with Watson

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=3019265856_b0247c1fa37648cb8ab9852a8756d92_sessionTemp&objRef=8&id=3019265856_b0247c1fa37648cb8ab985...

Data module

Search

new data module

Navigation paths

new_data.module

M_Date

Date

sales

Stock

Price

TL	M_Date	Row ID	Date	sales	Stock	Price
1	20	20	2014-01-21	70	4091	1.29
1	21	21	2014-01-22	127	2944	1.09
1	22	22	2014-01-23	96	2660	1.09
1	23	23	2014-01-24	70	2793	1.09
1	24	24	2014-01-25	108	3896	1.09
1	25	25	2014-01-26	168	3427	1.09
1	26	26	2014-01-27	126	3202	1.09
1	27	27	2014-01-28	86	3216	1.09
1	28	28	2014-01-29	222	2994	0.99
1	29	29	2014-01-30	272	2728	0.99
1	30	30	2014-01-31	309	2614	0.99
2	31	31	2014-02-01	369	2146	0.99
2	32	32	2014-02-02	217	1928	0.99
2	33	33	2014-02-03	97	1831	0.99
2	34	34	2014-02-04	137	1714	0.99
2	35	35	2014-02-05	100	1999	1.29
2	36	36	2014-02-06	64	2126	1.29
2	37	37	2014-02-07	36	2092	1.29
2	38	38	2014-02-08	94	2037	1.29
2	39	39	2014-02-09	86	1963	1.29
2	40	40	2014-02-12	8	7228	1.29
2	41	41	2014-02-13	43	7188	1.09
2	42	42	2014-02-14	107	7076	1.09

Properties

General

Label

Hide from users

Expression

Usage

Aggregate

Data type

Increments

Default

Lookup reference

None

Description

Comments

Screen tip

Advanced

IBM Cognos Analytics interface showing a data module with a table of sales data. The table has columns: TL, M_Date, Row ID, Date, sales, Stock, and Price. The data is filtered by M_Date, showing rows from 20 to 42. The Properties panel on the right shows the 'Price' measure selected, with options for 'Measure', 'Total', and 'Decimal'.

TL	M_Date	Row ID	Date	sales	Stock	Price
1	20	20	2014-01-21	70	4091	1.19
1	21	21	2014-01-22	127	2944	1.09
1	22	22	2014-01-23	96	3660	1.09
1	23	23	2014-01-24	70	2793	1.09
1	24	24	2014-01-25	108	3596	1.09
1	25	25	2014-01-26	168	2427	1.09
1	26	26	2014-01-27	138	3202	1.09
1	27	27	2014-01-28	86	3216	1.09
1	28	28	2014-01-29	222	2994	0.99
1	29	29	2014-01-30	279	2728	0.99
1	30	30	2014-01-31	209	2814	0.99
2	31	31	2014-02-01	369	2146	0.99
2	32	32	2014-02-02	217	1928	0.99
2	33	33	2014-02-03	97	3831	0.99
2	34	34	2014-02-04	137	3714	0.99
2	35	35	2014-02-05	100	1999	1.29
2	36	36	2014-02-06	64	2126	1.29
2	37	37	2014-02-07	36	2091	1.29
2	38	38	2014-02-08	94	2637	1.29
2	39	39	2014-02-09	86	1963	1.29
2	40	40	2014-02-12	8	7228	1.29
2	41	41	2014-02-13	63	7188	1.09
2	42	42	2014-02-14	107	7076	1.09

IBM Cognos Analytics interface showing the same data module with a table of sales data. The table has columns: TL, M_Date, Row ID, year, sales, Stock, and Price. The data is filtered by M_Date, showing rows from 20 to 42. The Properties panel on the right shows the 'year' measure selected, with options for 'Attribute', 'Count Distinct', and 'Date'.

TL	M_Date	Row ID	year	sales	Stock	Price
1	20	20	2014-01-21	70	4091	1.19
1	21	21	2014-01-22	127	2944	1.09
1	22	22	2014-01-23	96	3660	1.09
1	23	23	2014-01-24	70	2793	1.09
1	24	24	2014-01-25	108	3596	1.09
1	25	25	2014-01-26	168	2427	1.09
1	26	26	2014-01-27	138	3202	1.09
1	27	27	2014-01-28	86	3216	1.09
1	28	28	2014-01-29	222	2994	0.99
1	29	29	2014-01-30	279	2728	0.99
1	30	30	2014-01-31	209	2814	0.99
2	31	31	2014-02-01	369	2146	0.99
2	32	32	2014-02-02	217	1928	0.99
2	33	33	2014-02-03	97	3831	0.99
2	34	34	2014-02-04	137	3714	0.99
2	35	35	2014-02-05	100	1999	1.29
2	36	36	2014-02-06	64	2126	1.29
2	37	37	2014-02-07	36	2091	1.29
2	38	38	2014-02-08	94	2637	1.29
2	39	39	2014-02-09	86	1963	1.29
2	40	40	2014-02-12	8	7228	1.29
2	41	41	2014-02-13	63	7188	1.09
2	42	42	2014-02-14	107	7076	1.09

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=3019265856_b0247c1fa37648cb8ab9852a875ef6d82_sessionTemp&objRef=&tid=3019265856_b0247c1fa37648cb8ab985...

IBM Cognos Analytics with Watson

Data module

Columns: year, sales, Stock, Price

Properties

General

Label: year

Hide from users: ☐

Expression: View as edit

Usage: Attribute

Aggregate: Count Distinct

Date type: Date

Representations: Time

Year: year

Lookup reference: Name

Description: Description

Comments: Comments

Screen tip: Screen tip

Member display: Display member, Show members

Sort members by: year

Data format

Column: year

Format type: Date

Date separator: /

Date style: Short

Date ordering: Default

Missing value characters: empty

Advanced options

Reset properties

Cancel OK

Year	Sales	Stock	Price
2014-01-01	5.5	2017	5.29
2014-02-01	6.5	2062	5.29
2014-03-01	8	7220	5.29
2014-03-15	45	7188	5.29
2014-03-16	107	7078	5.29

us3.ca.analytics.ibm.com/bi/?perspective=ca-modeler&id=3019265856_b0247c1fa37648cb8ab9852a875ef6d82_sessionTemp&objRef=&tid=3019265856_b0247c1fa37648cb8ab985...

IBM Cognos Analytics with Watson

Data module

Columns: year, sales, Stock, Price

Properties

General

Label: sales

Hide from users: ☐

Expression: View as edit

Usage: Measure

Aggregate: Total

Date type: Integer

Representations: Default

Lookup reference: Name

Description: Description

Comments: Comments

Screen tip: Screen tip

Advanced

Data format

Column: sales

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

Year	Sales	Stock	Price
2/8/14	5.5	2017	5.29
2/9/14	6.5	2062	5.29
3/12/14	8	7220	5.29
3/15/14	45	7188	5.29
2/14/14	107	7078	5.29

The screenshot displays the IBM Cognos Analytics interface. A 'Data format' dialog box is open for the 'Stock' column. The dialog has a 'Columns' section with 'Stock' selected. The 'Format type' is set to 'Number'. The 'Advanced options' section includes the following settings:

- Number of decimal places: 0
- Negative sign symbol: Default
- Use thousands separator: No
- Negative sign position: Default
- Hiding value characters: (empty)

The background shows a data table with the following columns: M_Sale, Row Id, year, sales, Stock, and Price. The 'Stock' column is highlighted in the table.

The screenshot displays the IBM Cognos Analytics interface. A 'Data format' dialog box is open for the 'Price' column. The dialog includes the following settings:

- Column:** Price
- Format type:** Number
- Number of decimal places:** 0
- Negative sign symbol:** Default
- Use thousands separator:** No
- Negative sign position:** Default
- Missing value characters:** Empty

The background shows a data table with the following columns: M_Date, Row ID, year, index, Stock, and Price. The table contains data for various dates and stock prices.

IBM Cognos Analytics with Windows

us3.ca.analytics.ibm.com/bl/?perspective=ca-modeller&id=3019265856_b0247c1fa37648cb8ab9852ab756d92_sessionTemp&objRef=8&id=3019265856_b0247c1fa37648cb8ab9852ab7...

Save as

Name: Inventory cleaned data set

Selected destination: My content

My content | Team content

Name	Type	Last Accessed
data module	Folder	9/28/2022, 3:04 AM
my analytics story	Folder	9/23/2022, 4:07 AM
RETAIL STORE STOCK INVENTORY	Folder	11/4/2022, 3:33 AM
sample	Folder	9/23/2022, 1:06 AM
IL_Startupstory	Uploaded file	9/23/2022, 3:02 AM
assignment 1	Exploration	9/26/2022, 3:04 AM
task (3) new	Uploaded file	9/26/2022, 11:28 PM
philosophy new	Uploaded file	9/24/2022, 9:02 AM
Inventory	Folder	11/10/2022, 2:45 AM

Cancel Save

TL	M_Rate	Row ID	year	sales	Stock	Price
5	30					
5	31					
5	32					
5	33					
5	34					
5	35					
5	36					
5	37					
5	38					
5	39					
5	40					
5	41					
5	42					
5	43					
5	44					
5	45					
5	46					
5	47					
5	48					
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5	87					
5	88					
5	89					
5	90					
5	91					
5	92					
5	93					
5	94					
5	95					
5	96					
5	97					
5	98					
5	99					
5	100					

Properties

General

Label: Price

Hide from users: ☒

Expression: View or edit

Usage: Measure

Aggregates: Total

Data type: Decimal

Representations: Default

Lookup reference: None

Comments: Description

Screen title: Advanced

IBM Cognos Analytics with Windows

us3.ca.analytics.ibm.com/bl/?perspective=ca-modeller&id=3019265856_b0247c1fa37648cb8ab9852ab756d92_sessionTemp&objRef=8&id=3019265856_b0247c1fa37648cb8ab9852ab7...

Save as

Name: Inventory cleaned data set

Selected destination: RETAIL STORE STOCK INVENTORY

My content | Team content

My content / RETAIL STORE STOCK INVENTORY

Name	Type	Last Accessed
RETAIL Store stock data module	Data module	11/4/2022, 3:33 AM

Cancel Save

TL	M_Rate	Row ID	year	sales	Stock	Price
5	30					
5	31					
5	32					
5	33					
5	34					
5	35					
5	36					
5	37					
5	38					
5	39					
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Properties

General

Label: Price

Hide from users: ☒

Expression: View or edit

Usage: Measure

Aggregates: Total

Data type: Decimal

Representations: Default

Lookup reference: None

Comments: Description

Screen title: Advanced