

Data collection & Data preparation

Team ID	PNT2022TMID48449
Project Name	Retail Store Stock Inventory Analytics

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IBM Cognos Analytics with Watson

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Analyzing mock_kaggle.csv Cancel Details

Hello. Welcome to Cognos Analytics with Watson.

You can get started right away by taking a look at our introduction video, product tour and Getting Started tab.

Watch video Take a product tour

Quick launch

Upload data

Upload or drag and drop spreadsheets, csv files, and other data sources.

Prepare data

Use data modules to clean and connect data from multiple resources.

Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.

Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stories.

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Data preparation:

The screenshot displays the IBM Cognos Analytics interface for data preparation. The top view shows a table with columns: Row Id, data, venda, estoque, preco. The bottom view shows the same data with an additional 'M_Data' column.

Top View Table:

Row Id	data	venda	estoque	preco
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
12	2014-01-12	121	5118	1.09
13	2014-01-13	134	4984	1.09
14	2014-01-14	80	4904	1.09

Bottom View Table:

M_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
1	14	2014-01-14	80	4904	1.09

IBM Cognos Analytics with Watson

Create calculation

Name: M_Data

Components

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

Expression

```
1 month (data_)
```

Validation Results

✓ The expression is valid.

☐ Calculate after aggregation

Cancel OK

IBM Cognos Analytics with Watson

Data module

Grid

	M_Data	Row Id	data	venda	estoque
1		1	2014-01-01	0	4972
1		2	2014-01-02	70	4902
1		3	2014-01-03	59	4843
1		4	2014-01-04	93	4750
1		5	2014-01-05	96	4654
1		6	2014-01-06	145	4509
1		7	2014-01-07	179	4329
1		8	2014-01-08	321	4104
1		9	2014-01-09	125	4459
1		10	2014-01-10	88	5043
1		11	2014-01-11	188	5239
1		12	2014-01-12	121	5118
1		13	2014-01-13	134	4984
1		14	2014-01-14	80	4904

Properties

General

Label: M_Data

Hide from users: ☐

Expression: [View or edit](#)

Usage: Attribute

Aggregate: Count Distinct

Data type: Integer

Represents: Time

Month

Description

Comments

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Data module

Search

New data module

- Navigation paths
- mock_kaggle.csv
 - M_Data
 - # Row Id
 - year
 - sales
 - stock
 - price

M_Data	Row Id	year	sales	stock
1	1	2014-01-01	0	4972
1	2	2014-01-02	70	4902
1	3	2014-01-03	59	4843
1	4	2014-01-04	93	4750
1	5	2014-01-05	96	4654
1	6	2014-01-06	145	4509
1	7	2014-01-07	179	4329
1	8	2014-01-08	321	4104
1	9	2014-01-09	125	4459
1	10	2014-01-10	88	5043
1	11	2014-01-11	188	5239
1	12	2014-01-12	121	5118
1	13	2014-01-13	134	4984
1	14	2014-01-14	80	4904

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

Description

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Data module

Search

New data module

- Navigation paths
- mock_kaggle.csv
 - M_Data
 - # Row Id
 - year
 - sales
 - stock
 - price

M_Data	Row Id	year	sales	stock
1	1	2014-01-01	0	4972
1	2	2014-01-02	70	4902
1	3	2014-01-03	59	4843
1	4	2014-01-04	93	4750
1	5	2014-01-05	96	4654
1	6	2014-01-06	145	4509
1	7	2014-01-07	179	4329
1	8	2014-01-08	321	4104
1	9	2014-01-09	125	4459
1	10	2014-01-10	88	5043
1	11	2014-01-11	188	5239
1	12	2014-01-12	121	5118
1	13	2014-01-13	134	4984
1	14	2014-01-14	80	4904

Properties

General

Label sales

Hide from users ☐

Expression [View or edit](#)

Usage Measure

Aggregate Total

Data type Integer

Represents

Default

Lookup reference None

Description

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Properties

General

Label: stock

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents: Default

Lookup reference: None

Description:

Row Id	year	sales	stock
1	2014-01-01	0	4972
2	2014-01-02	70	4902
3	2014-01-03	59	4843
4	2014-01-04	93	4750
5	2014-01-05	96	4654
6	2014-01-06	145	4509
7	2014-01-07	179	4329
8	2014-01-08	321	4104
9	2014-01-09	125	4459
10	2014-01-10	88	5043
11	2014-01-11	188	5239
12	2014-01-12	121	5118
13	2014-01-13	134	4984
14	2014-01-14	80	4904

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Properties

General

Label: price

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

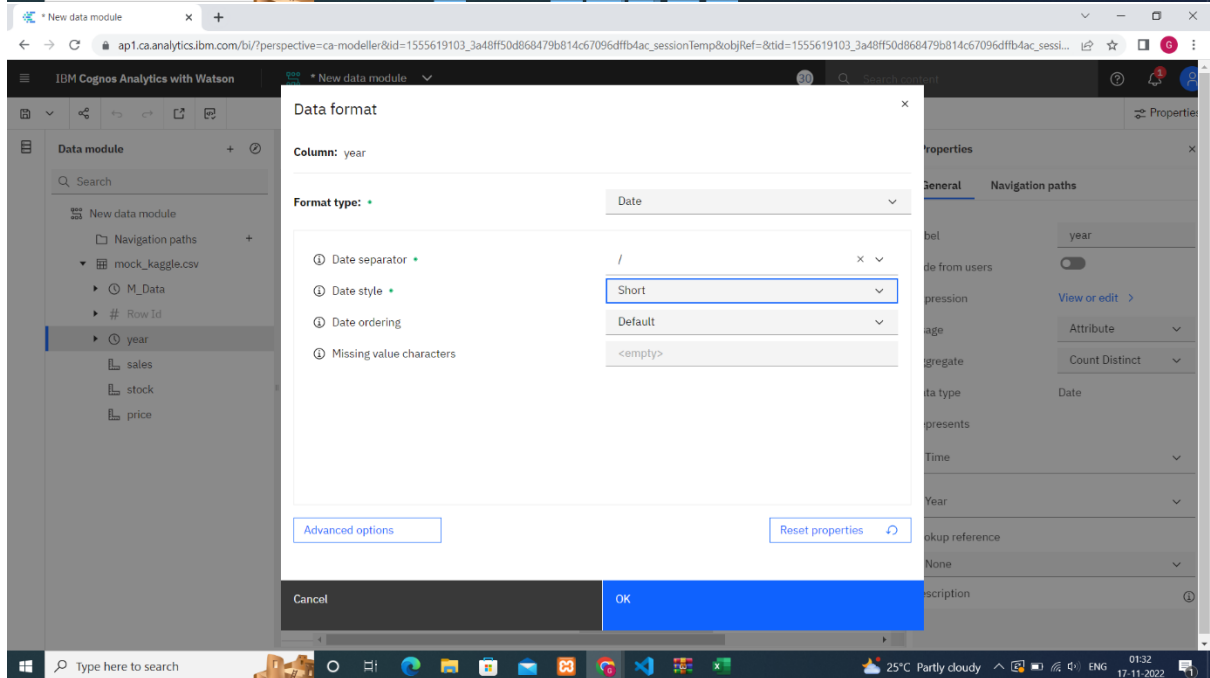
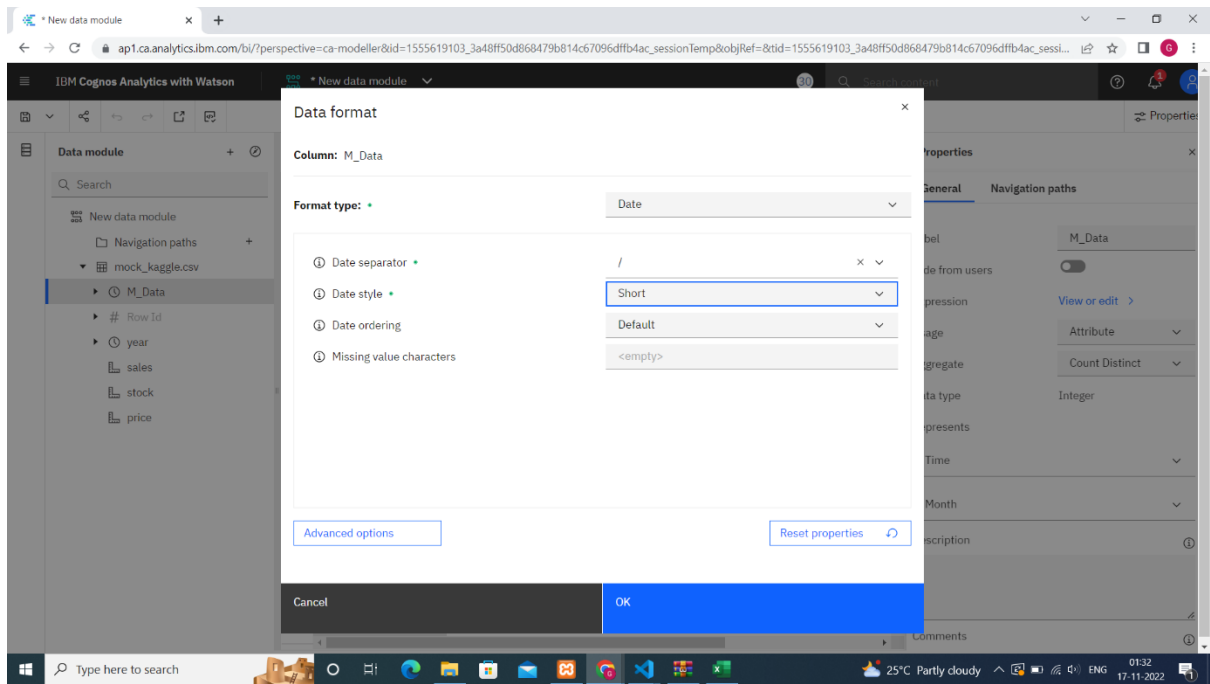
Data type: Decimal

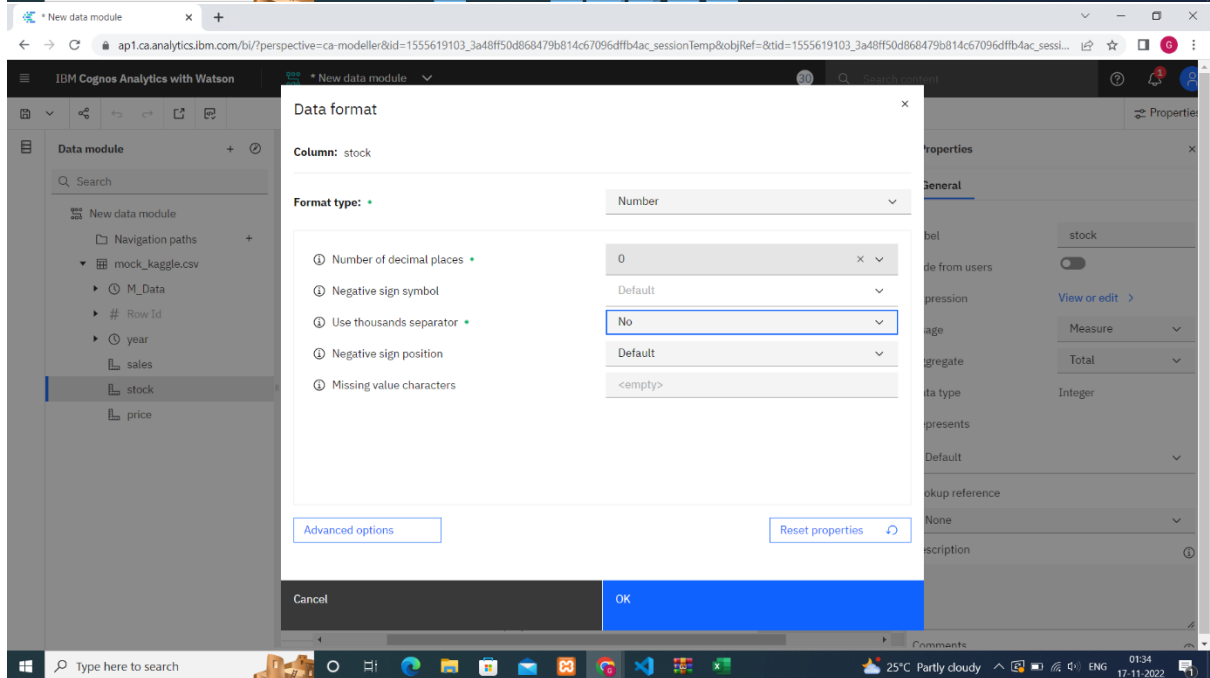
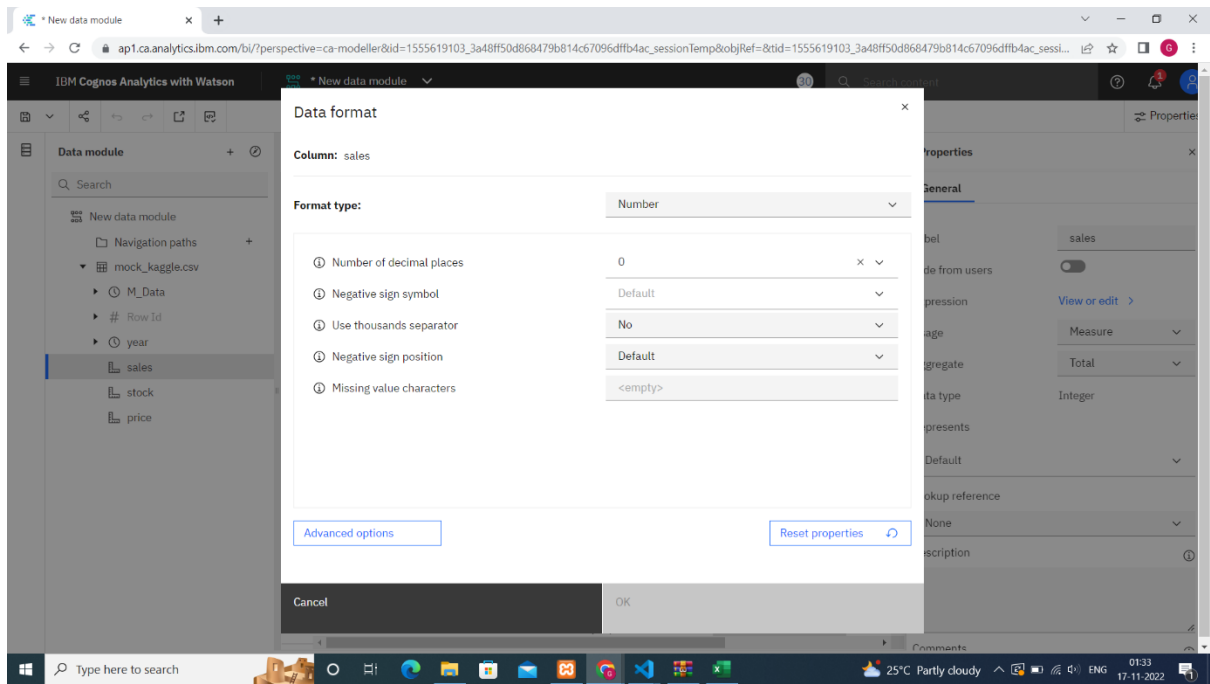
Represents: Default

Lookup reference: None

Description:

year	sales	stock	price
2014-01-01	0	4972	1.29
2014-01-02	70	4902	1.29
2014-01-03	59	4843	1.29
2014-01-04	93	4750	1.29
2014-01-05	96	4654	1.29
2014-01-06	145	4509	1.29
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2014-01-09	125	4459	1.09
2014-01-10	88	5043	1.09
2014-01-11	188	5239	1.09
2014-01-12	121	5118	1.09
2014-01-13	134	4984	1.09
2014-01-14	80	4904	1.09





IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Row Id	year	sales	stock	price	Revenue
1	2014/Jan/1	0	4972	1.29	0
2	2014/Jan/2	70	4902	1.29	90.3
3	2014/Jan/3	59	4843	1.29	76.11
4	2014/Jan/4	93	4750	1.29	119.97
5	2014/Jan/5	96	4654	1.29	123.84
6	2014/Jan/6	145	4509	1.29	187.05
7	2014/Jan/7	179	4329	1.29	230.91
8	2014/Jan/8	321	4104	1.29	414.09000000000003
9	2014/Jan/9	125	4459	1.09	136.25
10	2014/Jan/10	88	5043	1.09	95.92
11	2014/Jan/11	188	5239	1.09	204.92000000000002
12	2014/Jan/12	121	5118	1.09	131.89000000000001
13	2014/Jan/13	134	4984	1.09	146.06
14	2014/Jan/14	80	4904	1.09	87.2

Data format

Column: Revenue

Format type: Number

Number of decimal places: 2

Negative sign symbol: Default

Use thousands separator: No

Negative sign position: Default

Missing value characters: <empty>

Advanced options Reset properties

Cancel OK

Drive link: <https://drive.google.com/drive/u/0/mobile/folders/1kiL-5CHJmQvbk9VyFsuUs-myAupBZGNy>