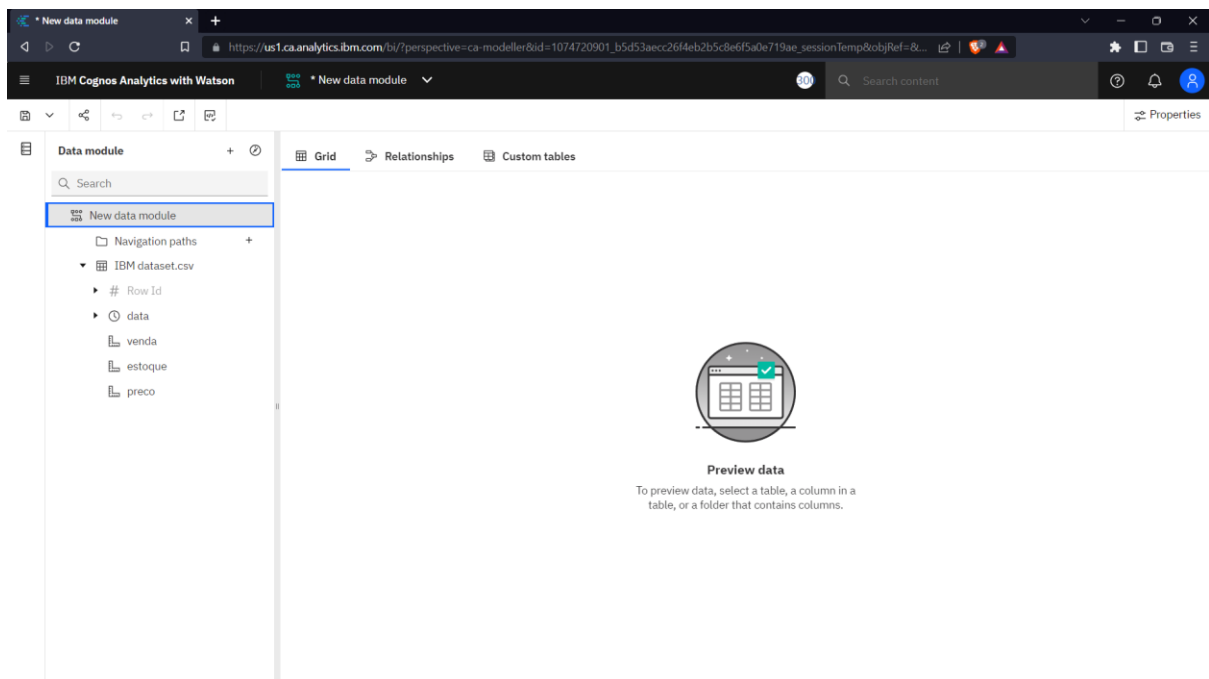
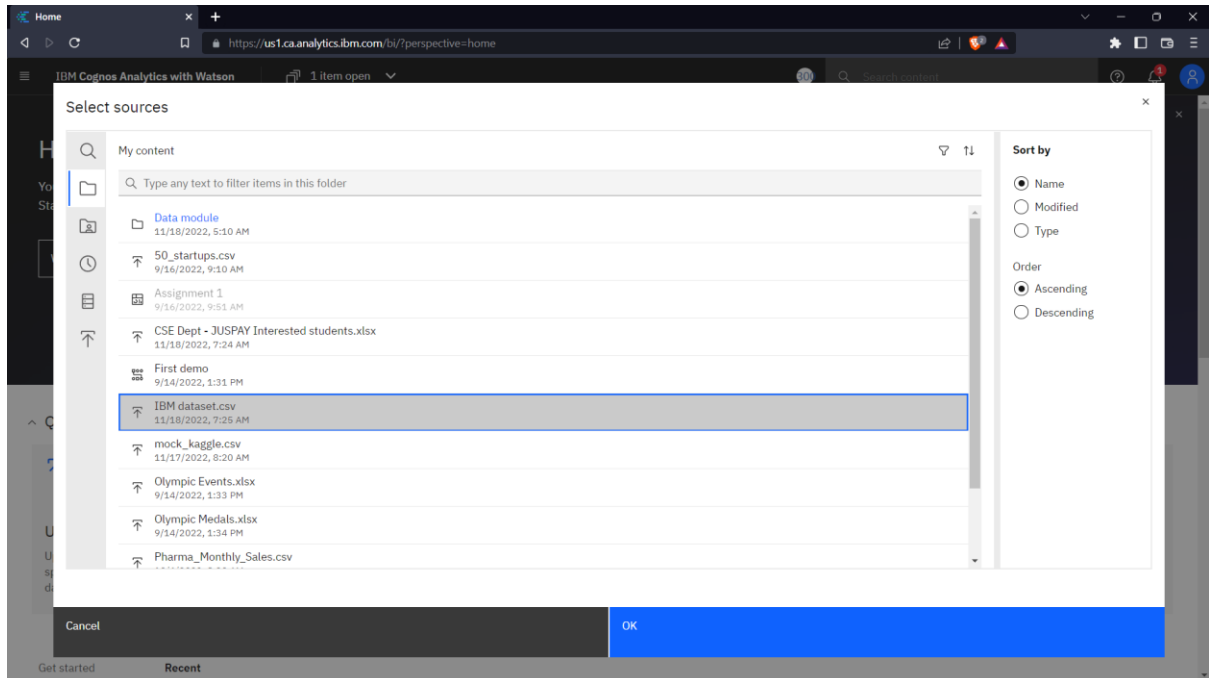


## Prepare the Dataset

Team ID	PNT2022TMID21204
Project	Retail Store Stock Inventory Analytics



IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

IBM dataset.csv

# Row Id

data

venda

estoque

preco

Grid

Relationships

Custom tables

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
15	2014-01-15	82	4822	1.09

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

IBM dataset.csv

# Row Id

data

Sales

estoque

preco

Grid

Relationships

Custom tables

Properties

General

Label

Sales

Sales

Hide from users

Expression

View or edit

Usage

Measure

Aggregate

Total

Data type

Integer

Represents

Default

Lookup reference

None

Description

Comments

Row Id	data	Sales	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
15	2014-01-15	82	4822	1.09

IBM Cognos Analytics with Watson

New data module

Search

New data module

- Navigation paths
- IBM dataset.csv
  - # Row Id
  - data
  - Sales
  - Stock
  - preco

Grid

Row Id	data	Sales	Stock	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
15	2014-01-15	82	4822	1.09

Properties

General

Label: Stock

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Integer

Represents: Default

Lookup reference: None

Description:

Comments:

IBM Cognos Analytics with Watson

New data module

Search

New data module

- Navigation paths
- IBM dataset.csv
  - # Row Id
  - data
  - Sales
  - Stock
  - Price

Grid

Row Id	data	Sales	Stock	Price
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
15	2014-01-15	82	4822	1.09

Properties

General

Label: Price

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Aggregate: Total

Data type: Decimal

Represents: Default

Lookup reference: None

Description:

Comments:

IBM Cognos Analytics with Watson

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901\_b5d53aecd2644eb2b5c8e6f5a0e719ae\_sessionTemp&objRef=8...

New data module

Grid Relationships Custom tables

Row Id data Sales Stock Price

Row Id	data	Sales	Stock	Price
1	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
	2014-01-07	179	4329	1.29
	2014-01-08	321	4104	1.29
	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
	2014-01-15	82	4822	1.09

Properties

General Filters Relationships

Label IBM dataset.csv

Hide from users

Description

Comments

Screen tip

Advanced

New

- Calculation...
- Filter...
- Folder
- Table...
- Show query information...
- Specify column dependencies
- Refresh members
- Hide from users
- Remove
- Refresh properties...
- Sort...
- Rename
- Cut
- Copy
- Manage filters
- Properties

IBM Cognos Analytics with Watson

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=1074720901\_b5d53aecd2644eb2b5c8e6f5a0e719ae\_sessionTemp&objRef=8...

New data module

Create calculation

Name Month wise

Components

- IBM dataset.csv
  - Row Id
  - data
  - Sales
  - Stock
  - Price

Expression

1 month (data\_)

Validation Results

The expression is valid.

Calculate after aggregation

Cancel OK

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Month wise

Row Id	data	Sales	Stock
1	2014-01-01	0	4972
1	2014-01-02	70	4902
1	2014-01-03	59	4843
1	2014-01-04	93	4750
1	2014-01-05	96	4654
1	2014-01-06	145	4509
1	2014-01-07	179	4329
1	2014-01-08	321	4104
1	2014-01-09	125	4459
1	2014-01-10	88	5043
1	2014-01-11	188	5239
1	2014-01-12	121	5118
1	2014-01-13	134	4984
1	2014-01-14	80	4904
1	2014-01-15	82	4822

Properties

General

Label: Month wise

Hide from users: ☐

Expression: [View or edit](#)

Usage: Measure

Calculate after aggregation: ☐

Aggregate: Count Distinct

Data type: Integer

Represents: Default

Lookup reference: None

Description:

IBM Cognos Analytics with Watson

New data module

Create calculation

Name: Revenue

Components

Expression

1 venda\*preco

Validation Results

The expression is valid.

Calculate after aggregation: ☐

Cancel OK

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Revenue Month wise Row Id data Sales

Revenue	Month wise	Row Id	data	Sales
0	1	1	2014-01-01	0
90.3	1	2	2014-01-02	70
76.11	1	3	2014-01-03	59
119.97	1	4	2014-01-04	93
123.84	1	5	2014-01-05	96
187.05	1	6	2014-01-06	145
230.91	1	7	2014-01-07	179
414.09000000000003	1	8	2014-01-08	321
136.25	1	9	2014-01-09	125
95.92	1	10	2014-01-10	88
204.92000000000002	1	11	2014-01-11	188
131.89000000000001	1	12	2014-01-12	121
146.06	1	13	2014-01-13	134
87.2	1	14	2014-01-14	80
89.38000000000001	1	15	2014-01-15	82

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

Comments

## Format Data

IBM Cognos Analytics with Watson

New data module

Grid Relationships Custom tables

Revenue Month wise Row Id data Sales

Revenue	Month wise	Row Id	data	Sales
0	1	1	2014-01-01	0
90.3	1	2	2014-01-02	70
76.11	1	3	2014-01-03	59
	1	4	2014-01-04	93
	1	5	2014-01-05	96
	1	6	2014-01-06	145
	1	7	2014-01-07	179
	1	8	2014-01-08	321
	1	9	2014-01-09	125
	1	10	2014-01-10	88
	1	11	2014-01-11	188
	1	12	2014-01-12	121
	1	13	2014-01-13	134
	1	14	2014-01-14	80
	1	15	2014-01-15	82

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

Comments

Filter...

Create calculation...

Create data group...

Edit calculation...

Hide from users

Remove

Refresh properties...

Format data...

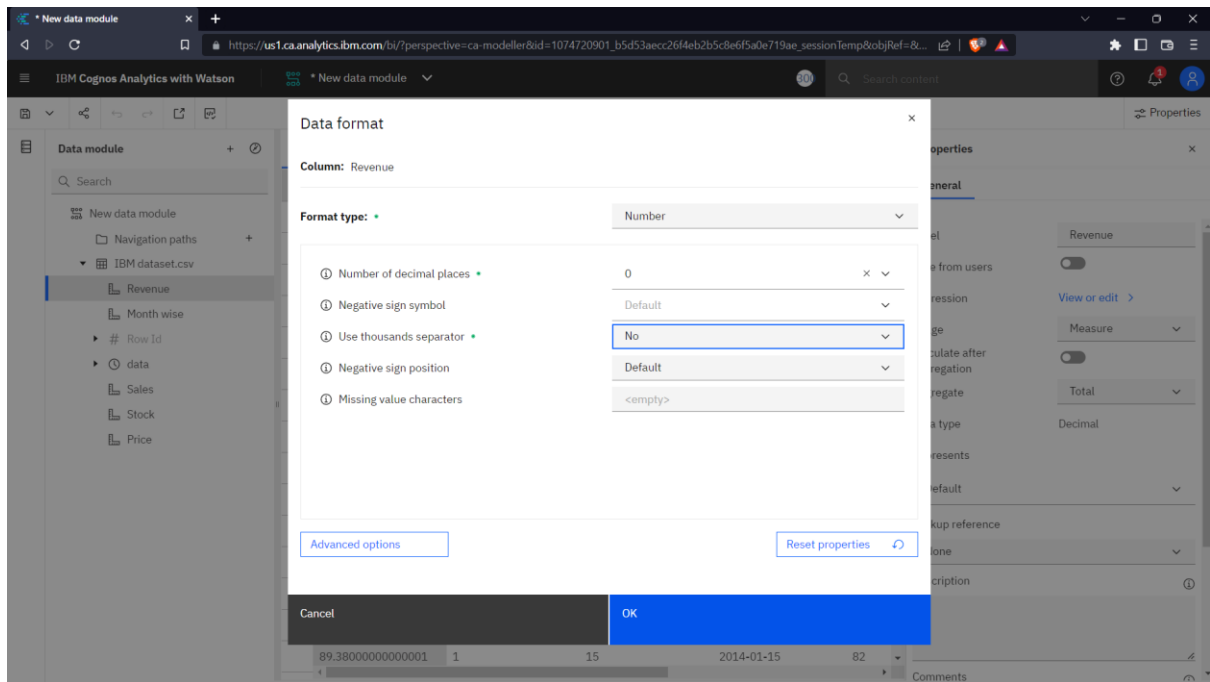
Clean...

Rename

Cut

Copy

Properties



The screenshot shows the 'Data module' grid view. The table has columns: Revenue, Month wise, Row Id, data, and Sales. The data is as follows:

Revenue	Month wise	Row Id	data	Sales
0	1	1	2014-01-01	0
90	1	2	2014-01-02	70
76	1	3	2014-01-03	59
120	1	4	2014-01-04	93
124	1	5	2014-01-05	96
187	1	6	2014-01-06	145
231	1	7	2014-01-07	179
414	1	8	2014-01-08	321
136	1	9	2014-01-09	125
96	1	10	2014-01-10	88
205	1	11	2014-01-11	188
132	1	12	2014-01-12	121
146	1	13	2014-01-13	134
87	1	14	2014-01-14	80
89	1	15	2014-01-15	82

