Working with the Dataset

Preparing the Dataset

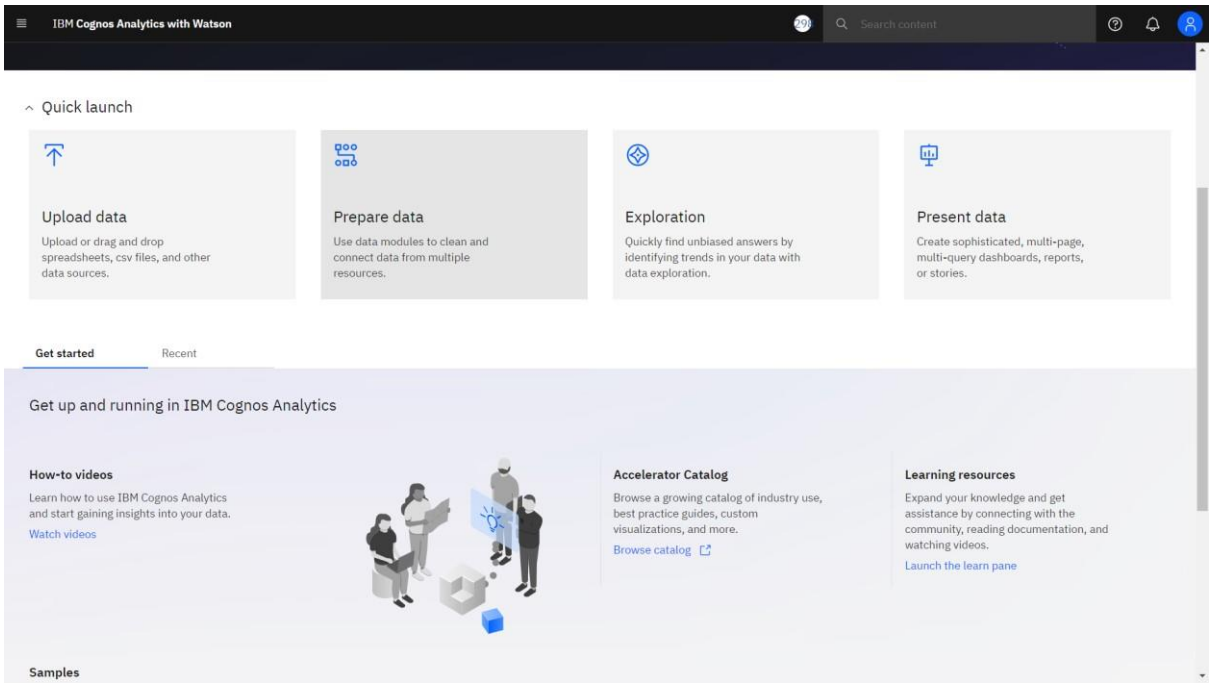
Team ID	**PNT2022TMID04978**
Project Name	Retail Store Stock Inventory Analytics

Overview:

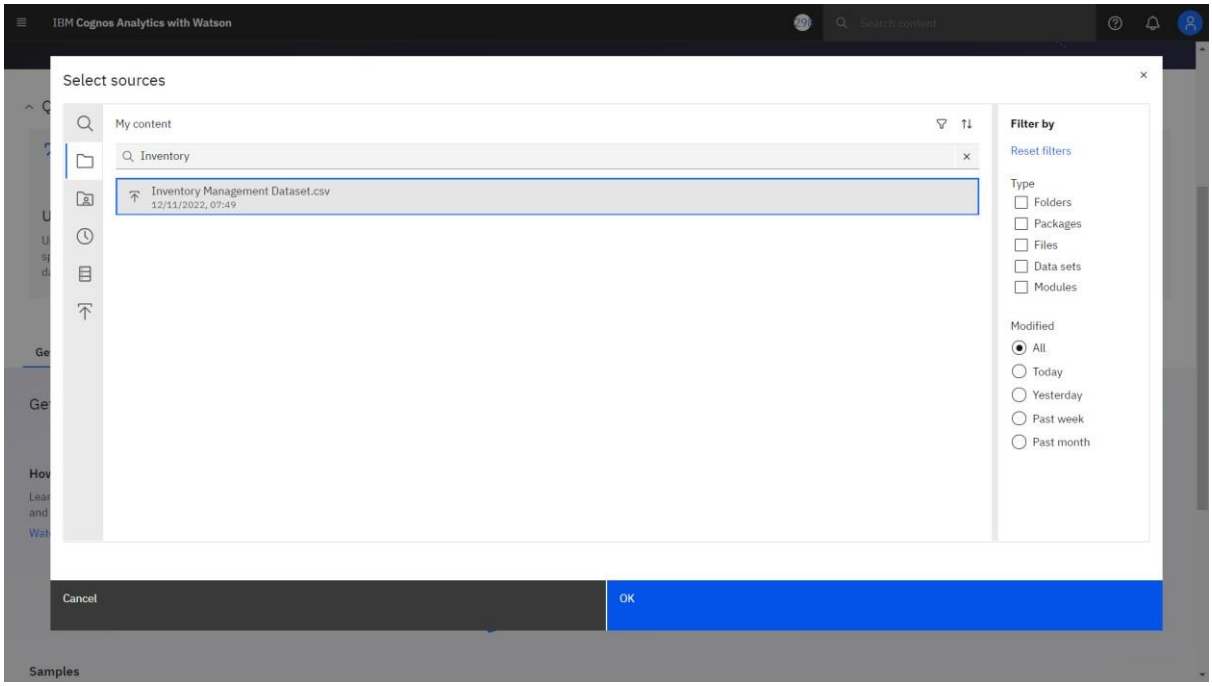
Before the dataset is used for visualization, it must be cleaned, formatted and processed. This step is called preparing the dataset.

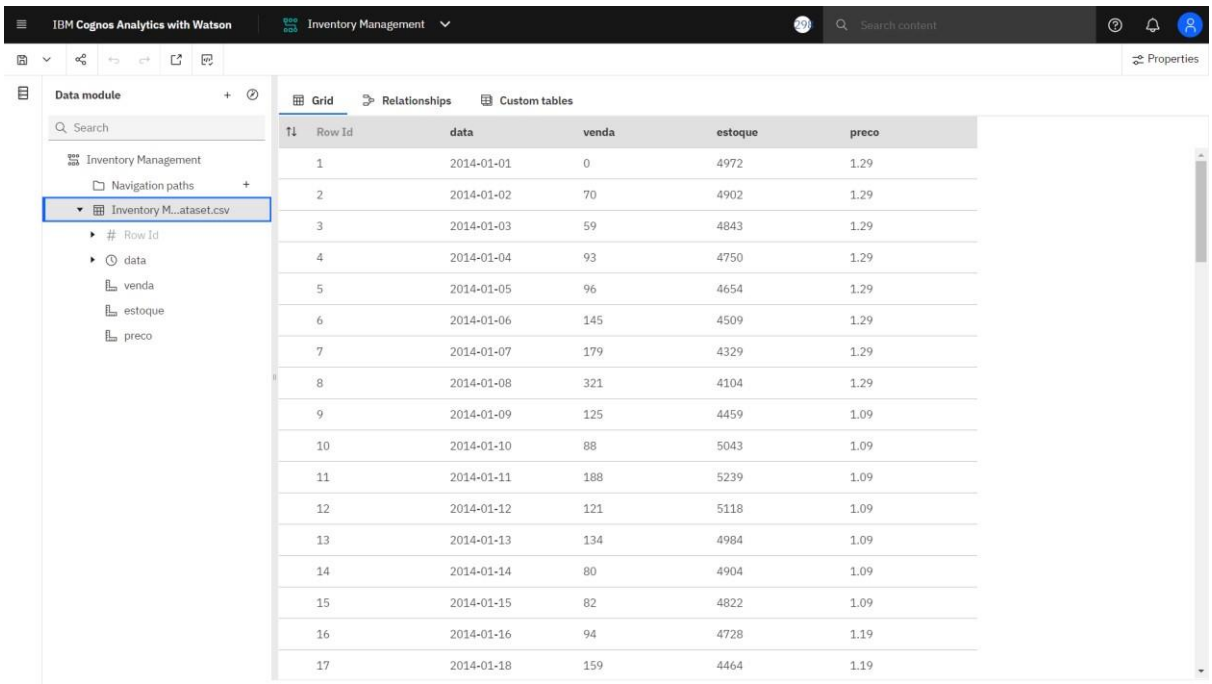
Procedure:

1) Click on the **Prepare data** option.



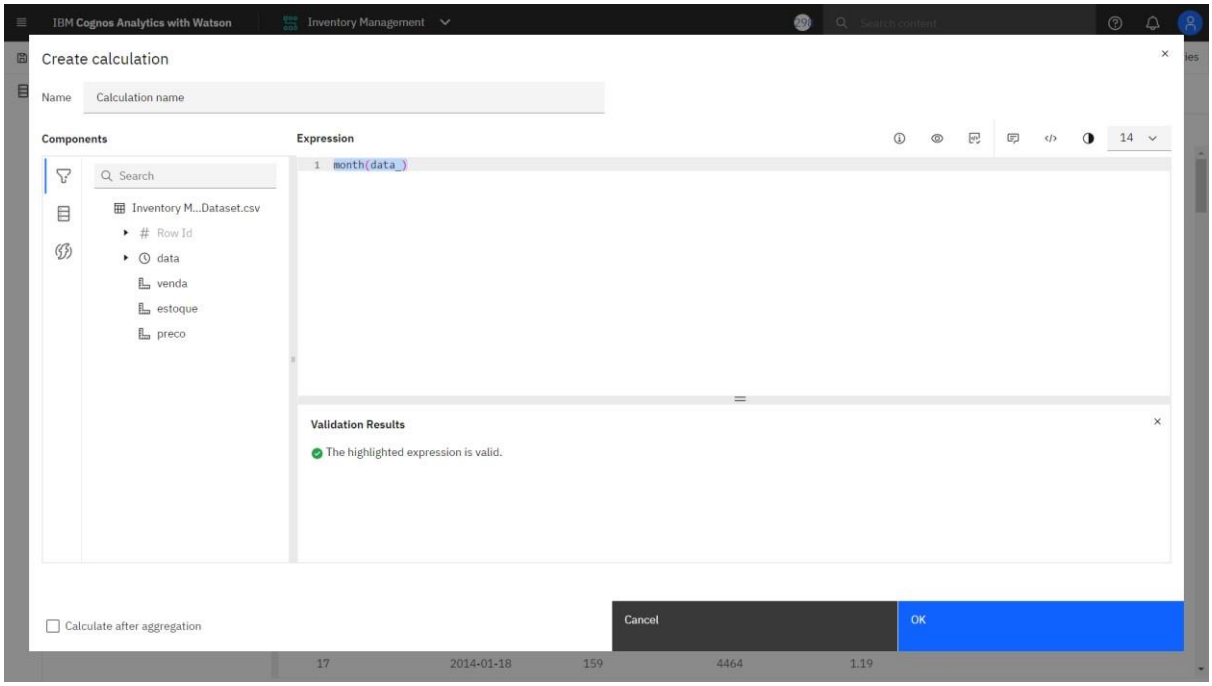
2) Select the Dataset from the Sources.



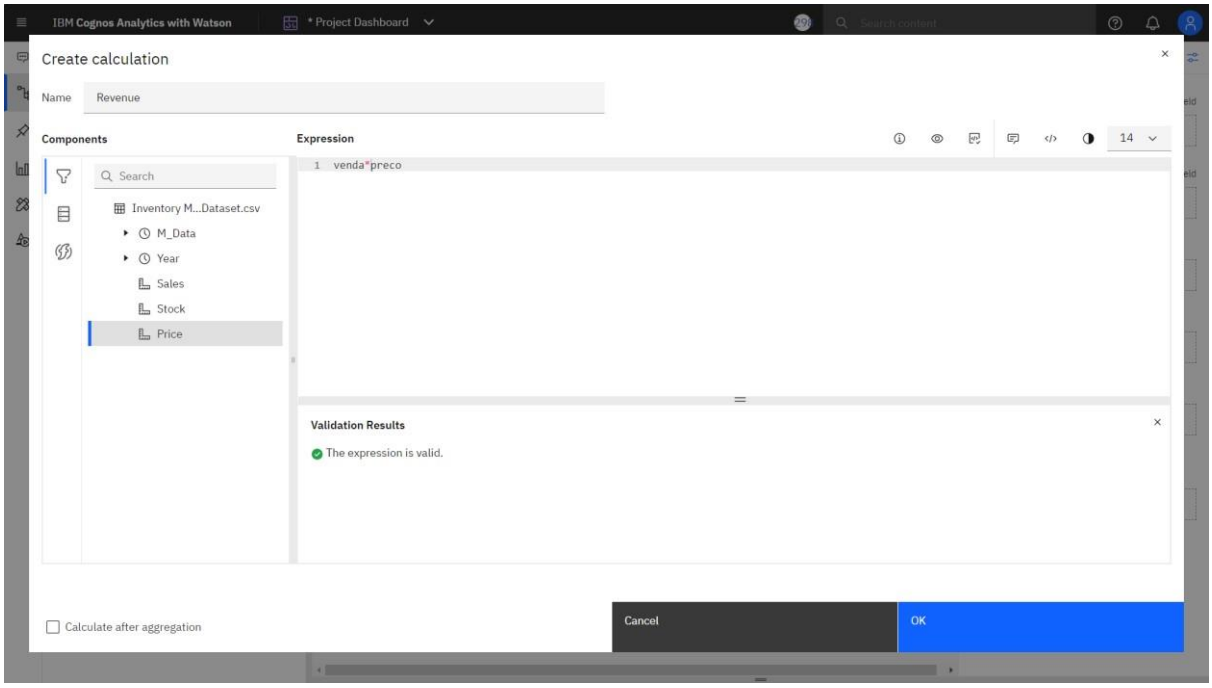


Row Id	data	venda	estoque	preco
1	2014-01-01	0	4972	1.29
2	2014-01-02	70	4902	1.29
3	2014-01-03	59	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4654	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	321	4104	1.29
9	2014-01-09	125	4459	1.09
10	2014-01-10	88	5043	1.09
11	2014-01-11	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
16	2014-01-16	94	4728	1.19
17	2014-01-18	159	4464	1.19

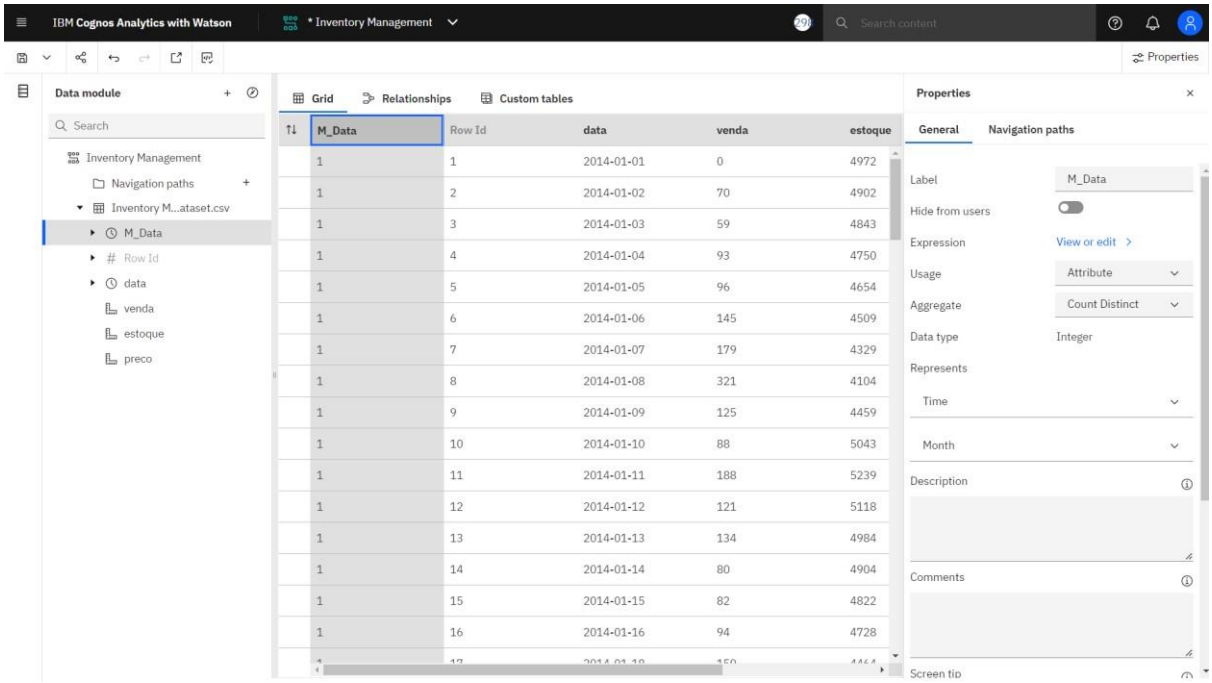
3) Create calculation **M_Data = month(data_)** and validate the expression before creating the calculation.

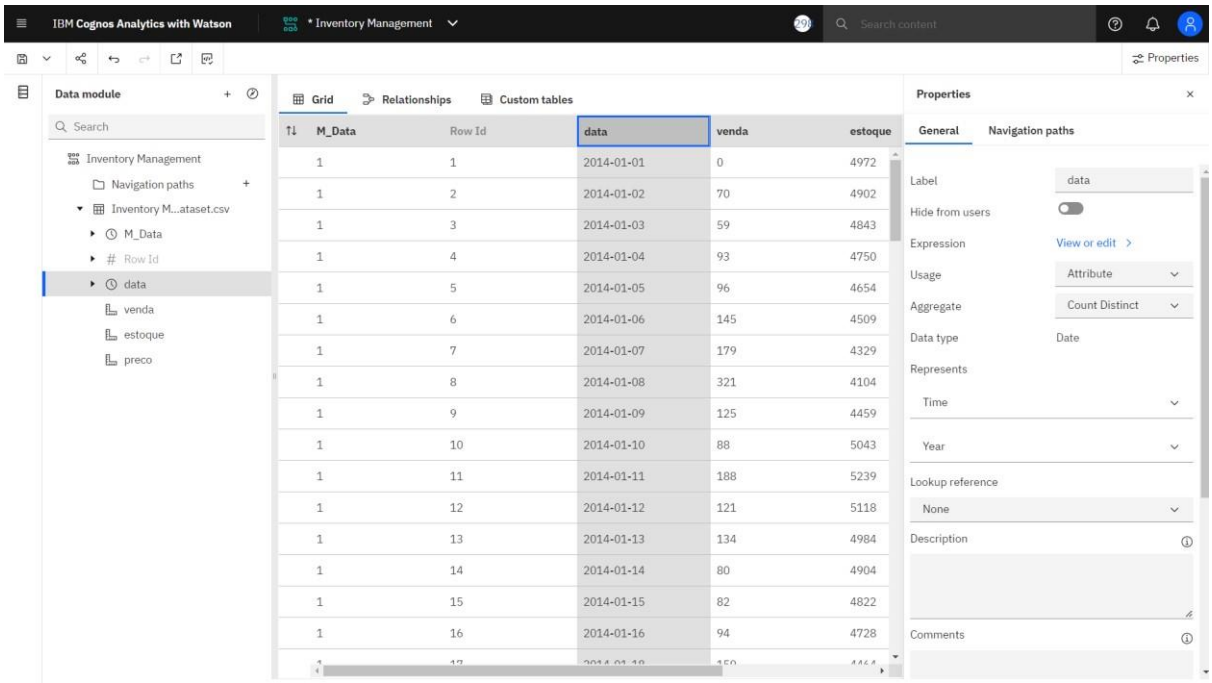


4) Calculate **Revenue = venda*preco** and validate the expression before clicking on OK.

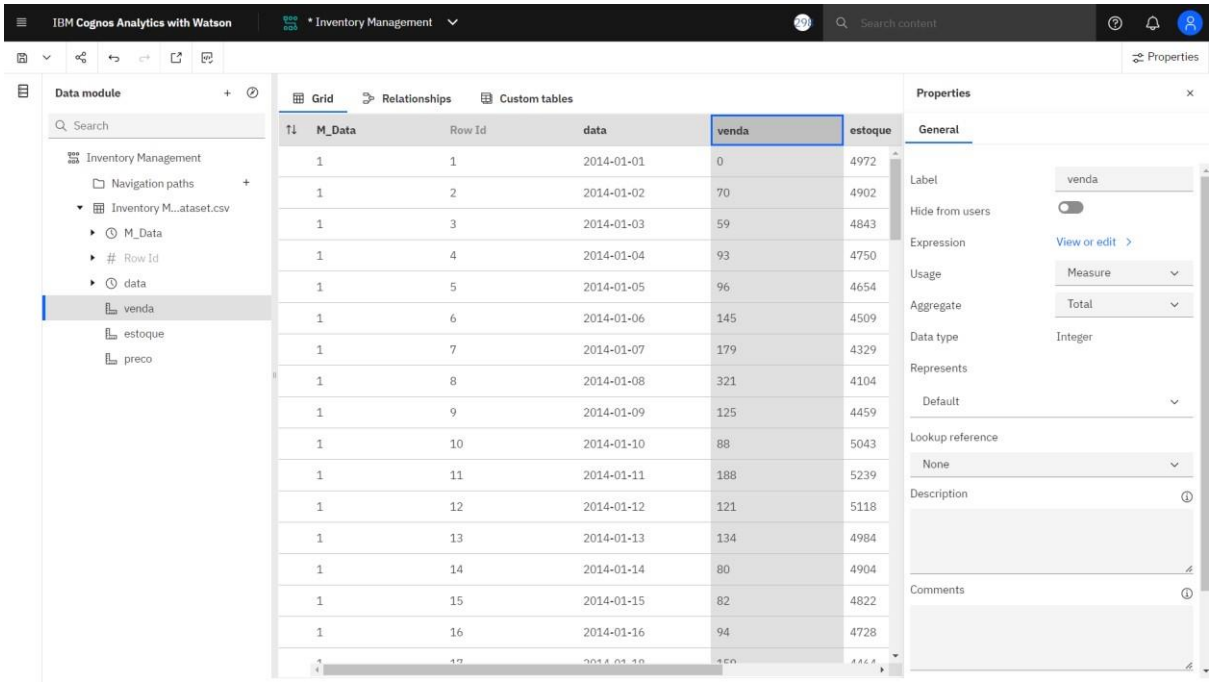


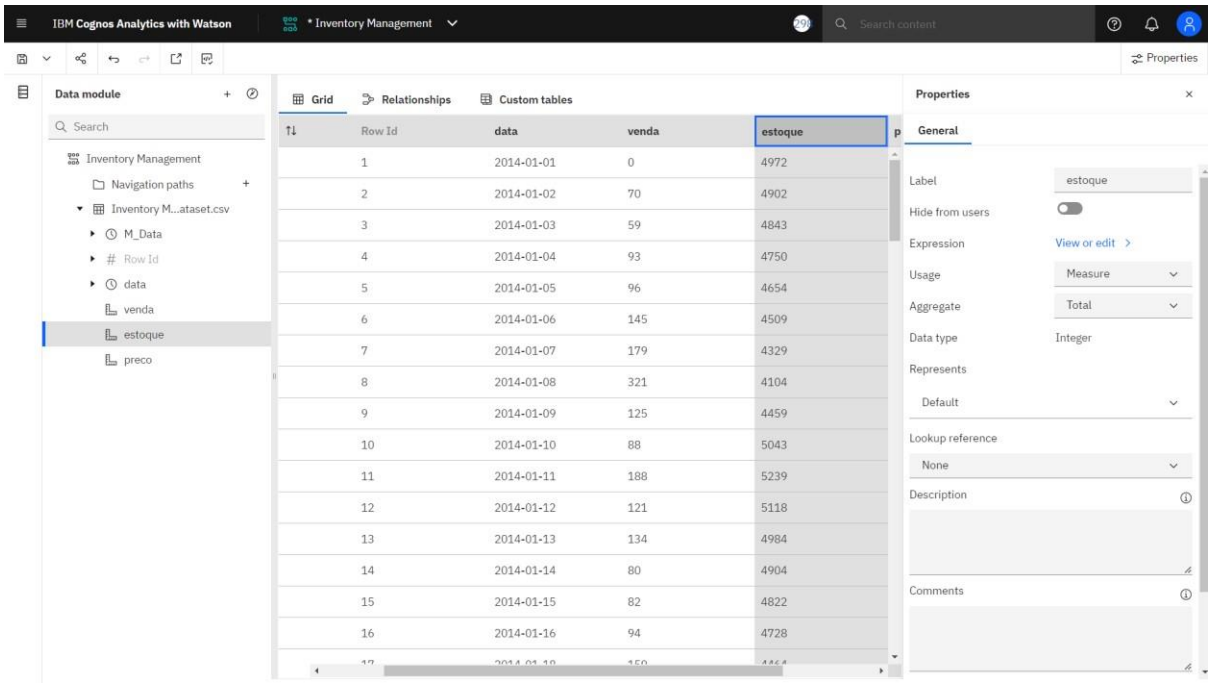
5) For M_Data and data(date), set Usage to Attribute and Aggregate to Count Distinct.





6) For venda, estoque and preco, set Usage to Measure and Aggregate to Total.


IBM Cognos Analytics with Watson
* Inventory Management
Search content
Properties
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
data
venda
estoque
preco
Grid
Relationships
Custom tables
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
1 15 2014-01-15 82 4822
1 16 2014-01-16 94 4728
Properties
General
Label
venda
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
* Inventory Management
Search content
Properties
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
data
venda
estoque
preco
Grid
Relationships
Custom tables
Row Id
data
venda
estoque
1 2014-01-01 0 4972
2 2014-01-02 70 4902
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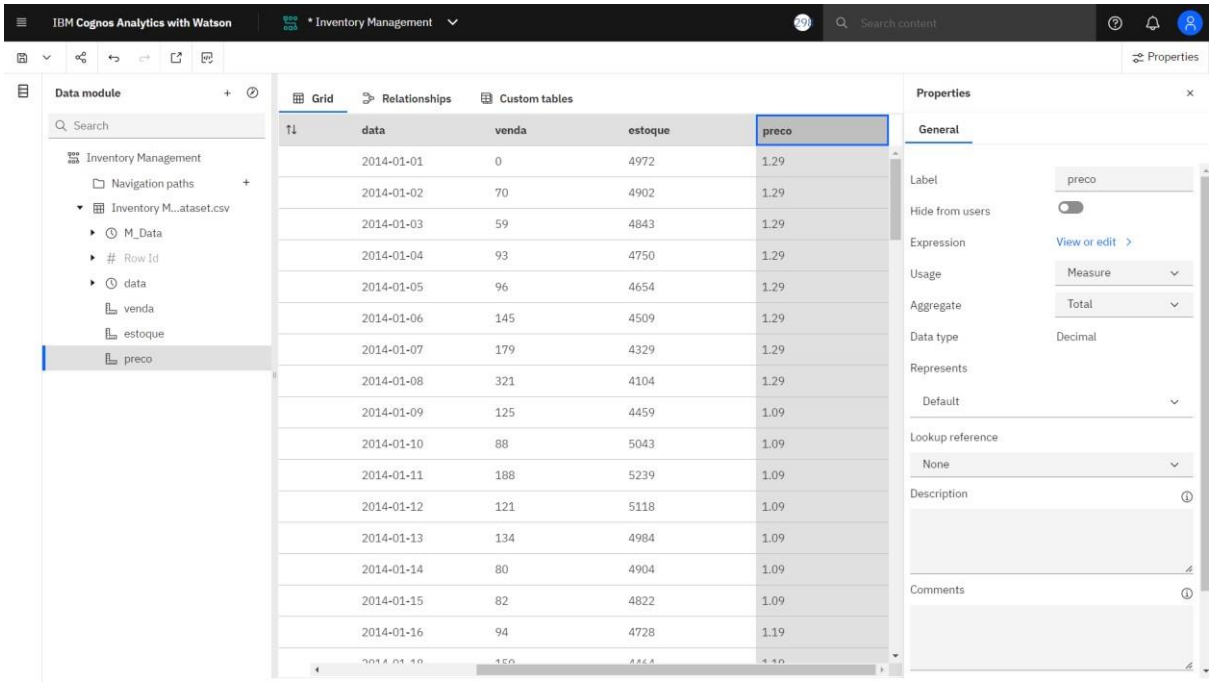
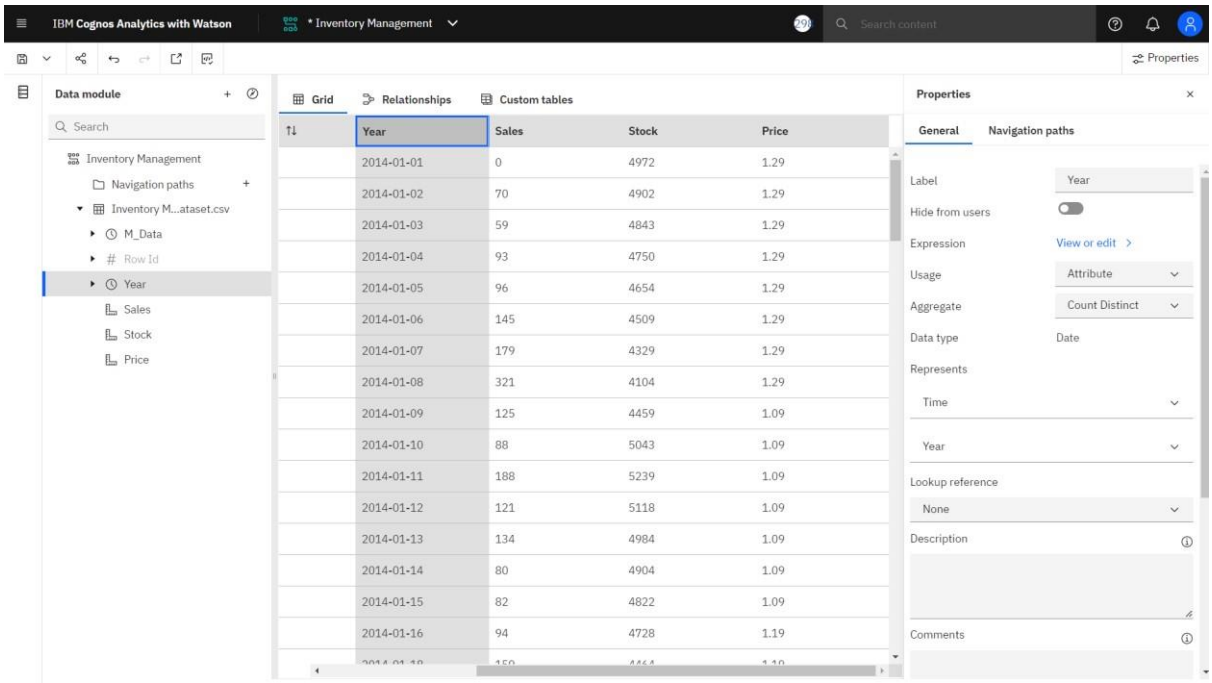
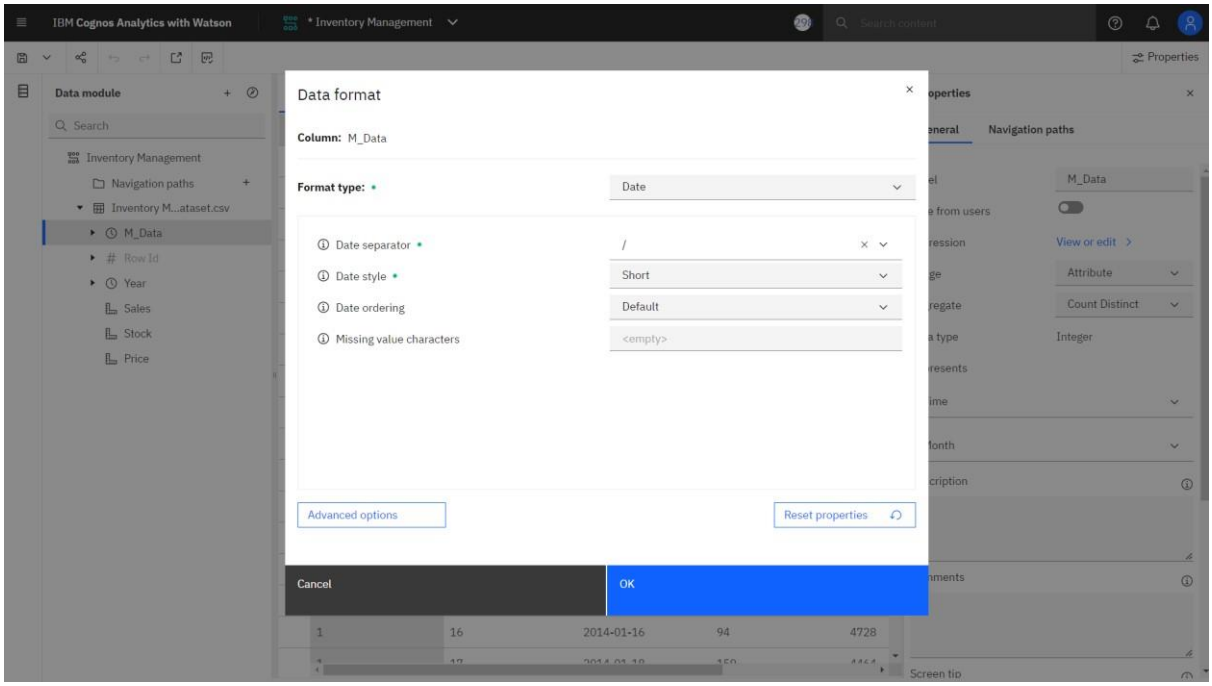
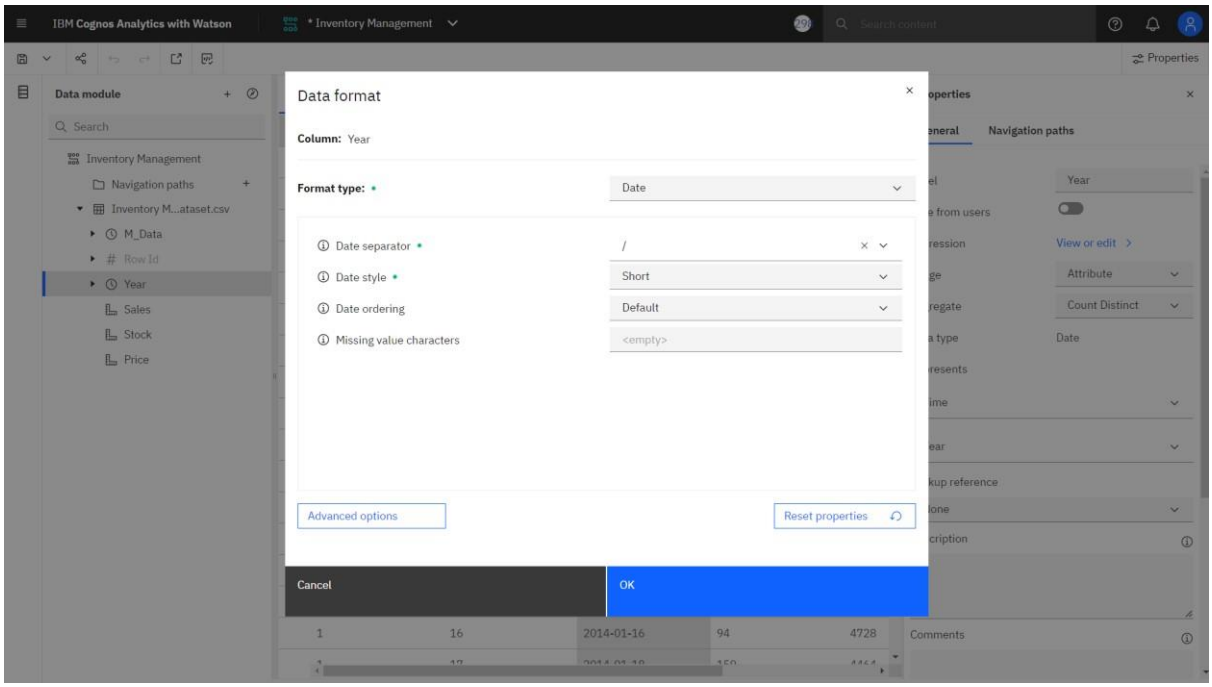
10 2014-01-10 88 5043
11 2014-01-11 188 5239
12 2014-01-12 121 5118
13 2014-01-13 134 4984
14 2014-01-14 80 4904
15 2014-01-15 82 4822
16 2014-01-16 94 4728
Properties
General
Label
estoque
Hide from users
Expression
View or edit
Usage
Measure
Aggregate
Total
Data type
Integer
Represents
Default
Lookup reference
None
Description
Comments



7) Rename and format all the attributes. Rename data to Year, venda to Sales, estoque to Stock and preco to Price.




IBM Cognos Analytics with Watson
* Inventory Management
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
Year
Sales
Stock
Price
Data format
Column: M_Data
Format type: *
Date
Date separator *
/
Date style *
Short
Date ordering
Default
Missing value characters
<empty>
Advanced options
Reset properties
Cancel
OK
Properties
General
Navigation paths
M_Data
Attribute
Count Distinct
Integer
View or edit
1
16
2014-01-16
94
4728


IBM Cognos Analytics with Watson
* Inventory Management
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
Year
Sales
Stock
Price
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
Properties
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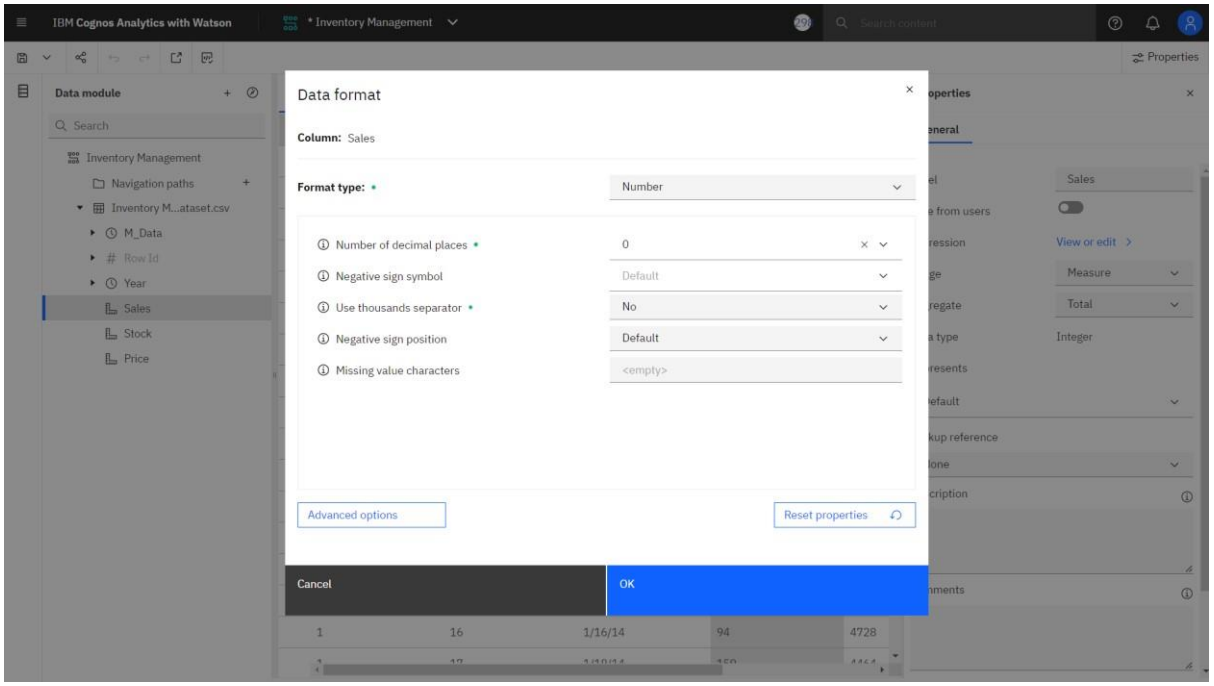
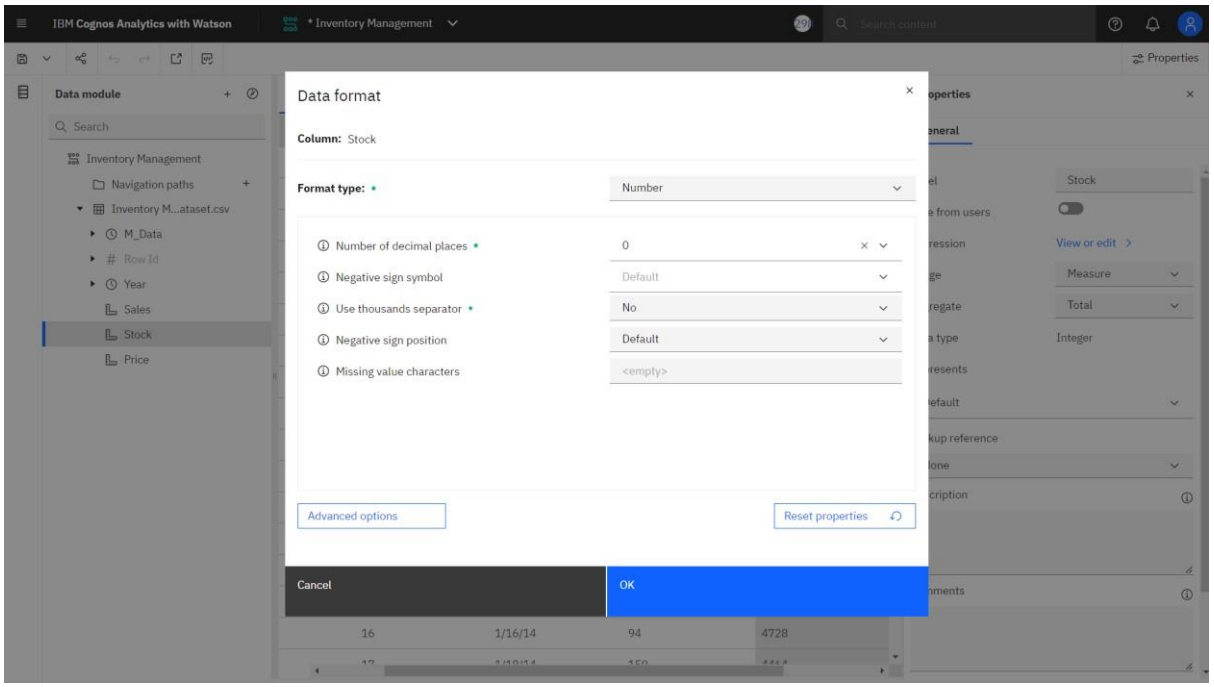
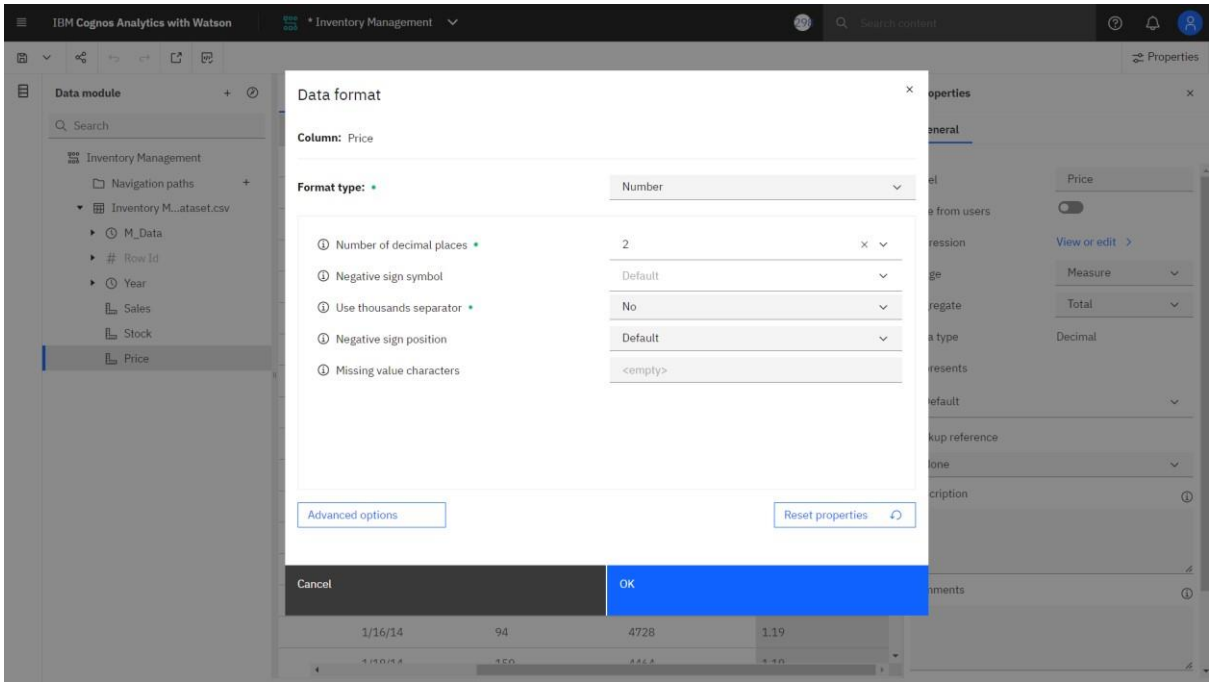
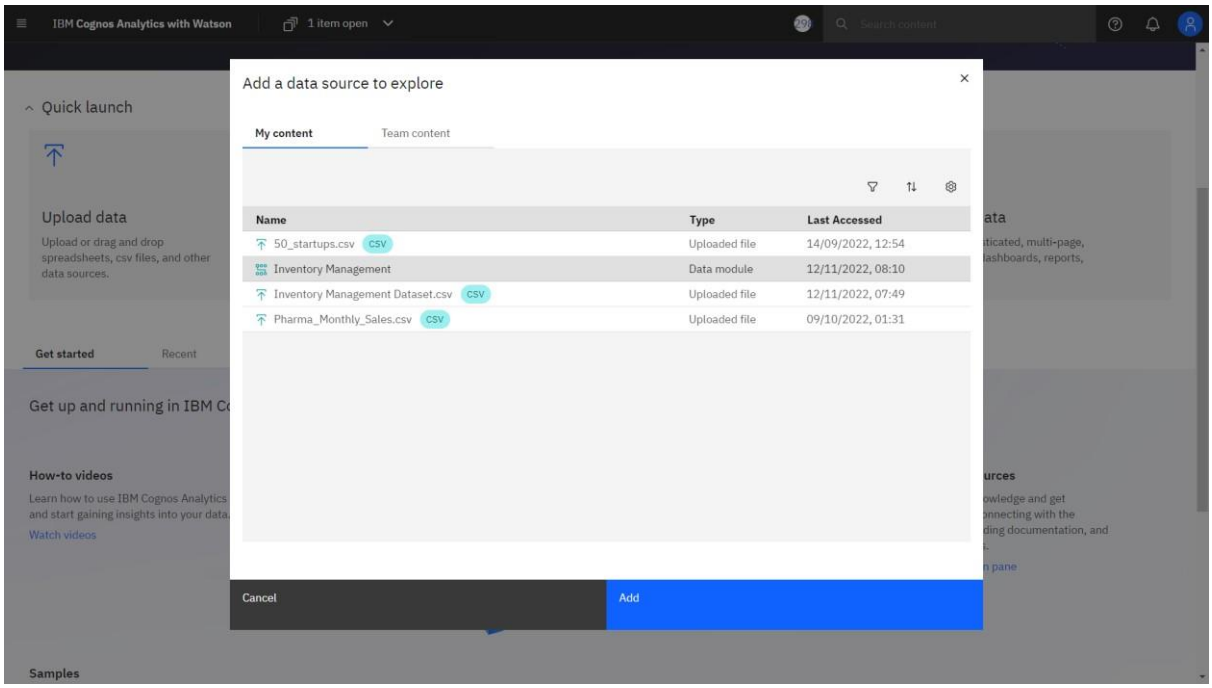
Navigation paths
Year
Attribute
Count Distinct
Date
View or edit
1
16
2014-01-16
94
4728


IBM Cognos Analytics with Watson
* Inventory Management
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
Year
Sales
Stock
Price
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
Properties
Sales
Measure
Total
Integer
View or edit
1
16
1/16/14
94
4728


IBM Cognos Analytics with Watson
* Inventory Management
Data module
Search
Inventory Management
Navigation paths
Inventory M...ataset.csv
M_Data
Row Id
Year
Sales
Stock
Price
Data format
Column: Stock
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
Properties
Stock
Measure
Total
Integer
View or edit
16
1/16/14
94
4728



8) Save it as a Data Module so it can be imported for Visualization.