Project Development Phase

Sprint - 1

Team ID	PNT2022TMID05837
Project Name	Project - Retail Store Stock Inventory Analytics

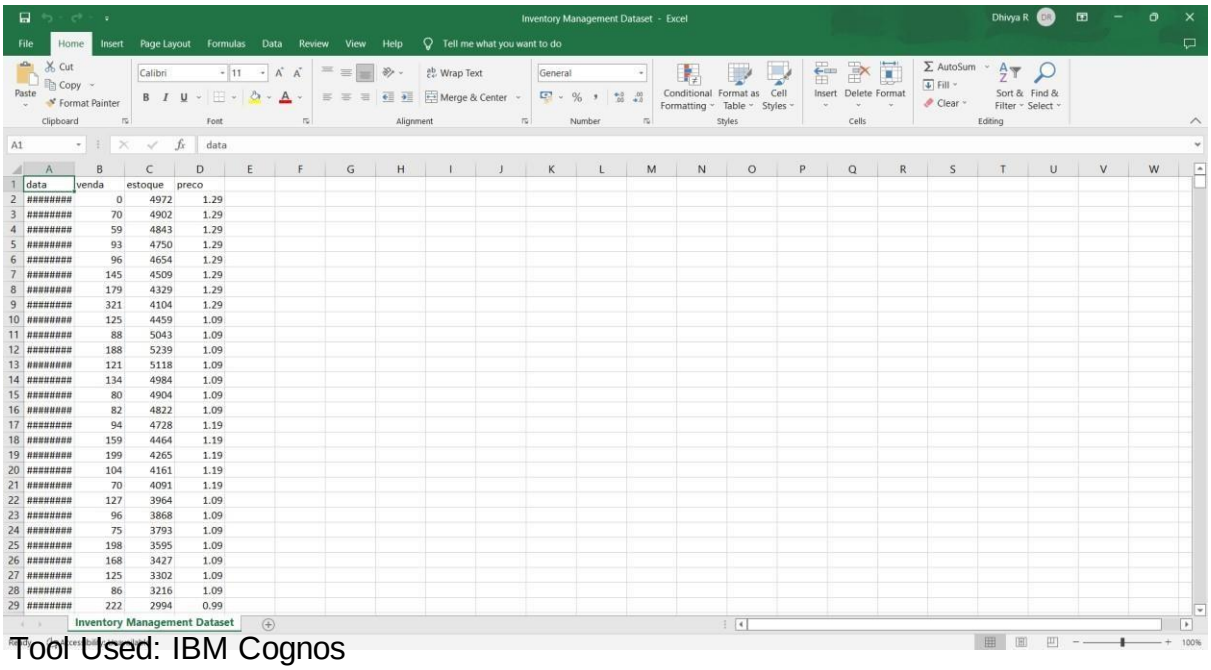
SPRINT-1

- Data Collection
- Data

Preparation **Data**

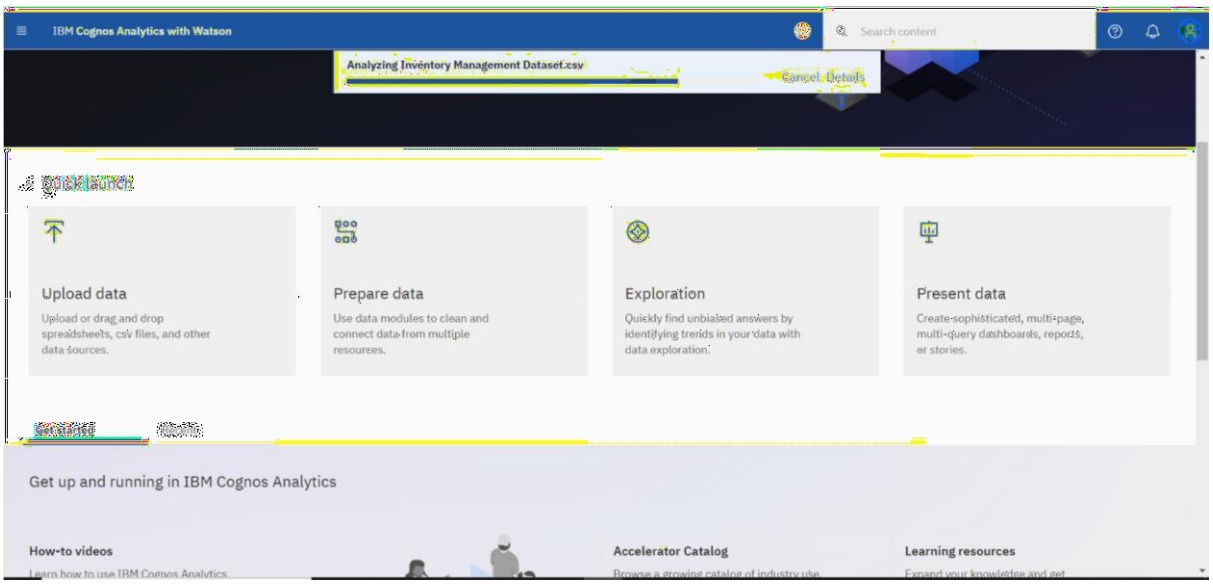
Collection:

1. Download the Dataset

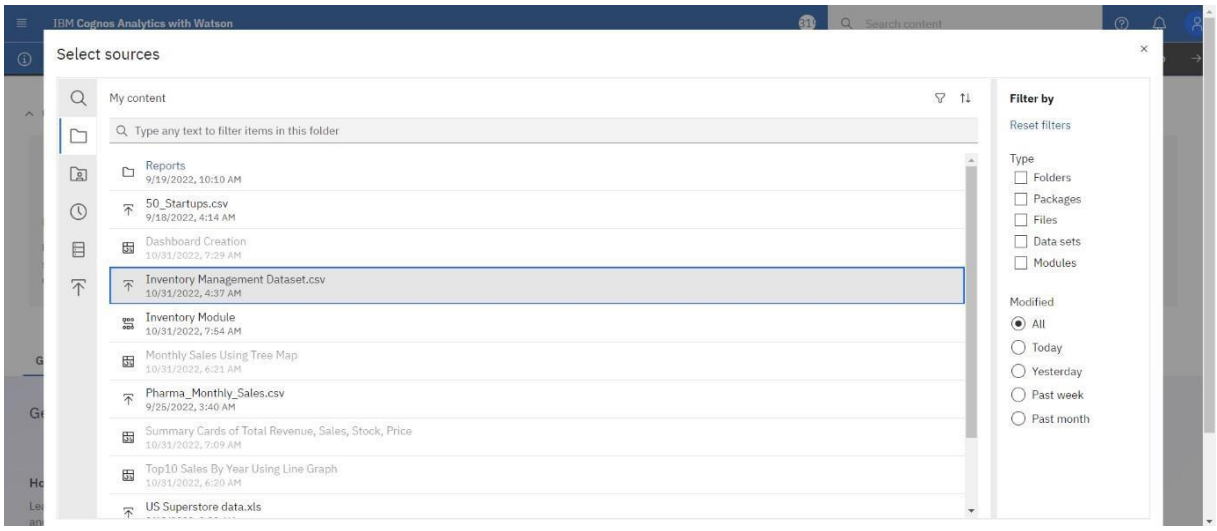


Tool Used: IBM Cognos

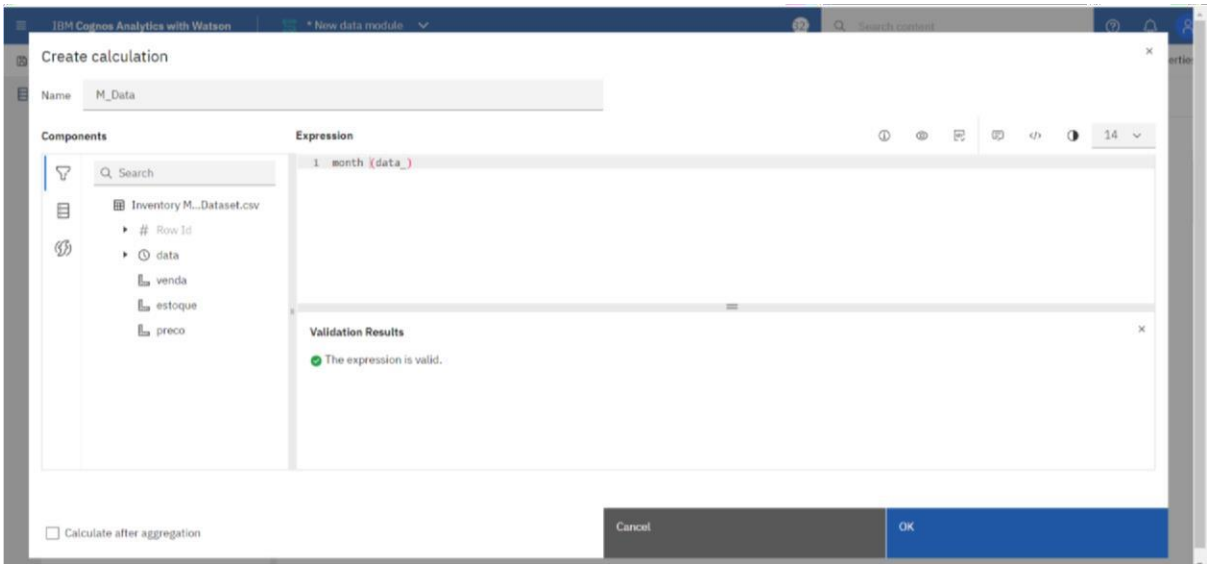
2. Load the Dataset

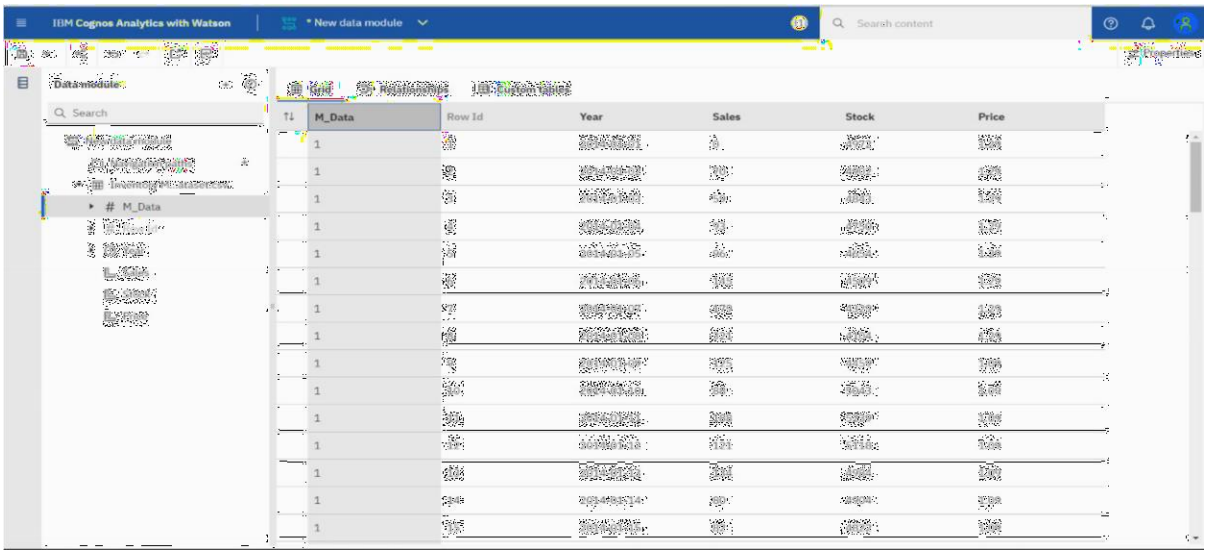


Data Preparation:

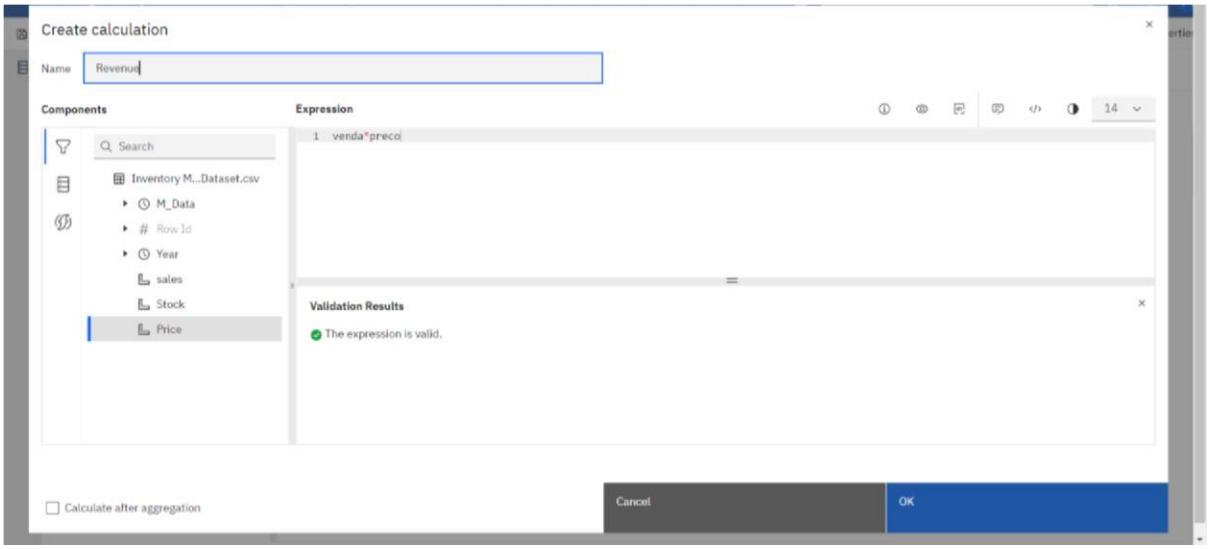


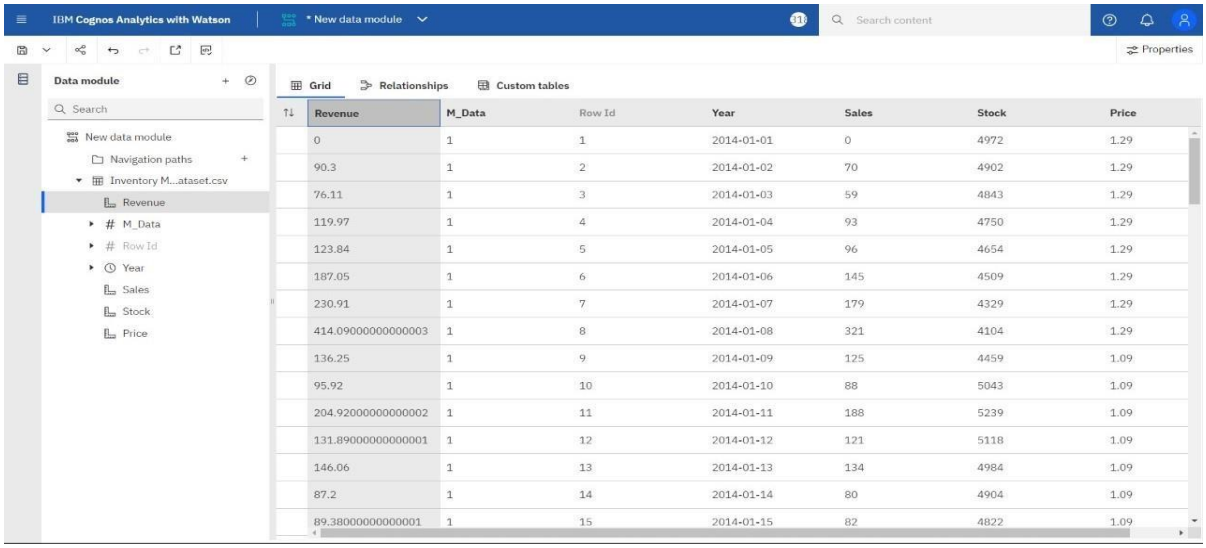
Month Data(M_Data):





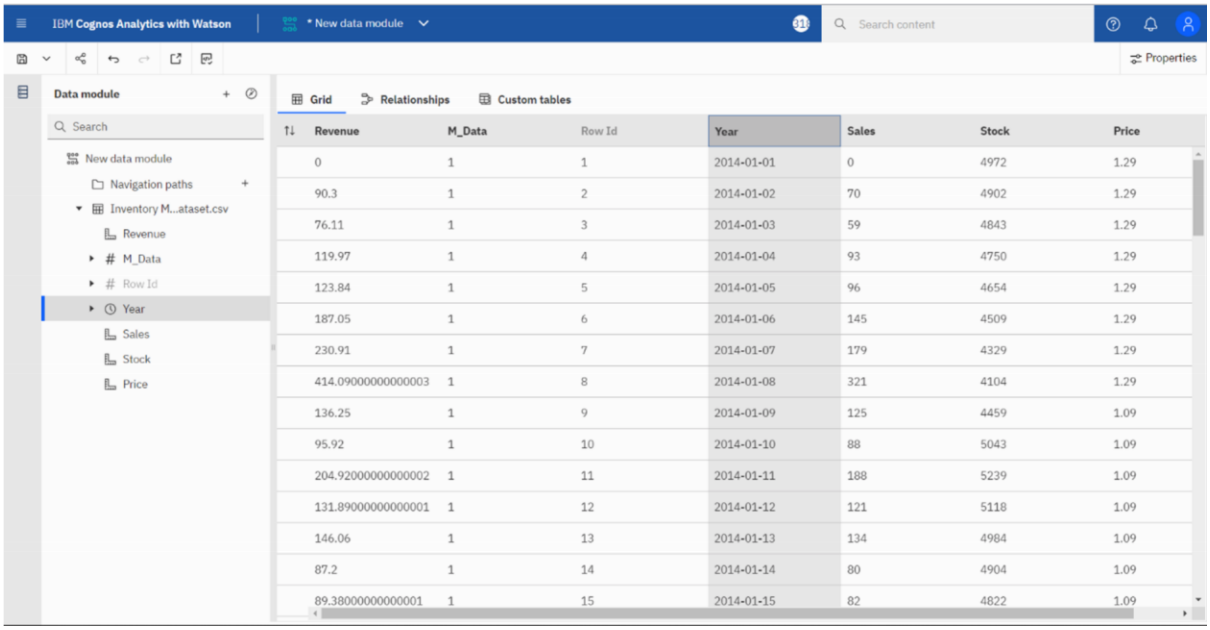
Revenue Data:





Revenue	M_Data	Row Id	Year	Sales	Stock	Price
0	1	1	2014-01-01	0	4972	1.29
90.3	1	2	2014-01-02	70	4902	1.29
76.11	1	3	2014-01-03	59	4843	1.29
119.97	1	4	2014-01-04	93	4750	1.29
123.84	1	5	2014-01-05	96	4654	1.29
187.05	1	6	2014-01-06	145	4509	1.29
230.91	1	7	2014-01-07	179	4329	1.29
414.09000000000003	1	8	2014-01-08	321	4104	1.29
136.25	1	9	2014-01-09	125	4459	1.09
95.92	1	10	2014-01-10	88	5043	1.09
204.92000000000002	1	11	2014-01-11	188	5239	1.09
131.89000000000001	1	12	2014-01-12	121	5118	1.09
146.06	1	13	2014-01-13	134	4984	1.09
87.2	1	14	2014-01-14	80	4904	1.09
89.38000000000001	1	15	2014-01-15	82	4822	1.09

Year Data:



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90.3	1	2	2014-01-02	70	4902	1.29
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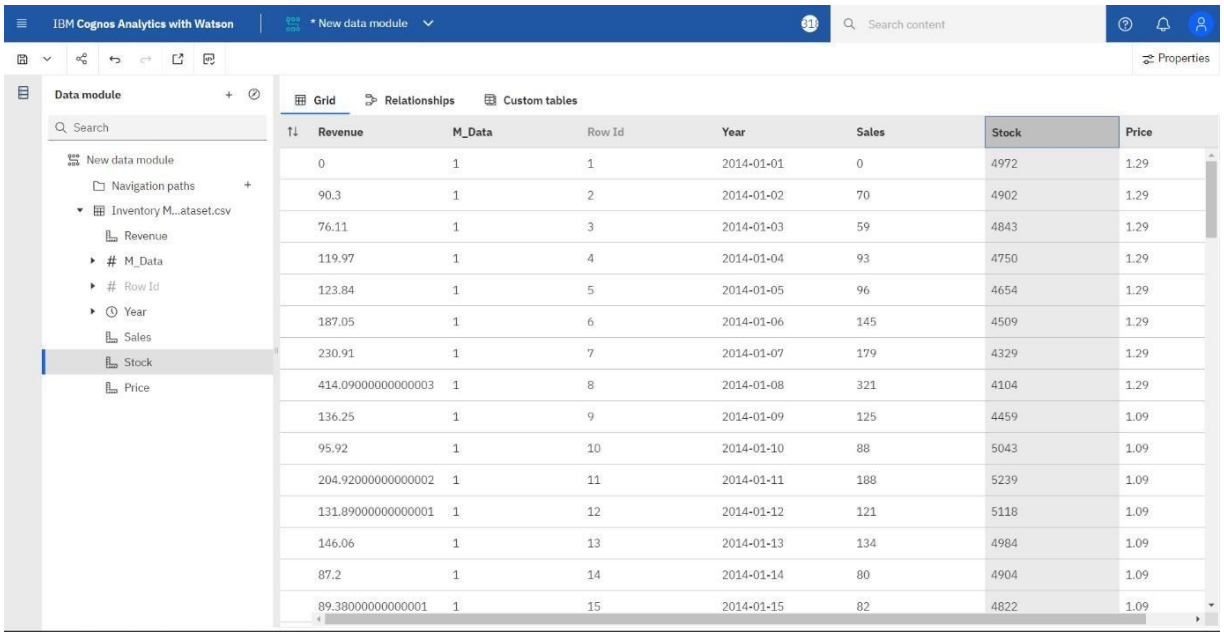
119.97	1	4	2014-01-04	93	4750	1.29
123.84	1	5	2014-01-05	96	4654	1.29
187.05	1	6	2014-01-06	145	4509	1.29
230.91	1	7	2014-01-07	179	4329	1.29
414.09000000000003	1	8	2014-01-08	321	4104	1.29
136.25	1	9	2014-01-09	125	4459	1.09
95.92	1	10	2014-01-10	88	5043	1.09
204.92000000000002	1	11	2014-01-11	188	5239	1.09
131.89000000000001	1	12	2014-01-12	121	5118	1.09
146.06	1	13	2014-01-13	134	4984	1.09
87.2	1	14	2014-01-14	80	4904	1.09
89.38000000000001	1	15	2014-01-15	82	4822	1.09

Stock Data:



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123.84	1	5	2014-01-05	96	4654	1.29
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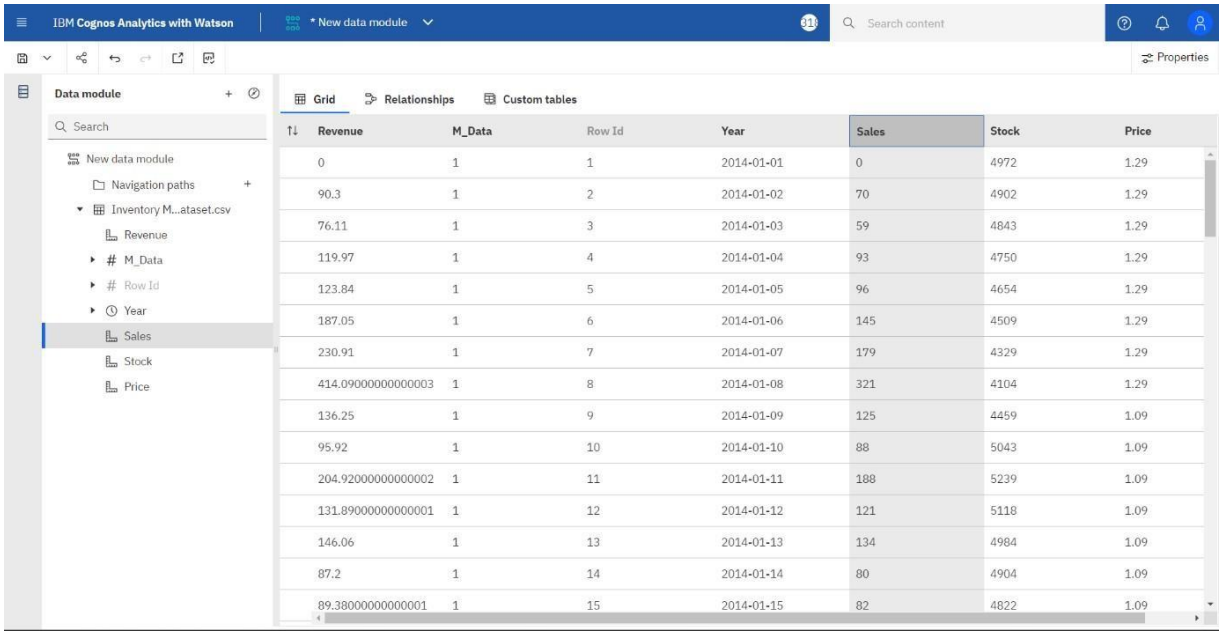
95.92	1	10	2014-01-10	88	5043	1.09
204.92000000000002	1	11	2014-01-11	188	5239	1.09
131.89000000000001	1	12	2014-01-12	121	5118	1.09
146.06	1	13	2014-01-13	134	4984	1.09
87.2	1	14	2014-01-14	80	4904	1.09
89.38000000000001	1	15	2014-01-15	82	4822	1.09

Sales Data:



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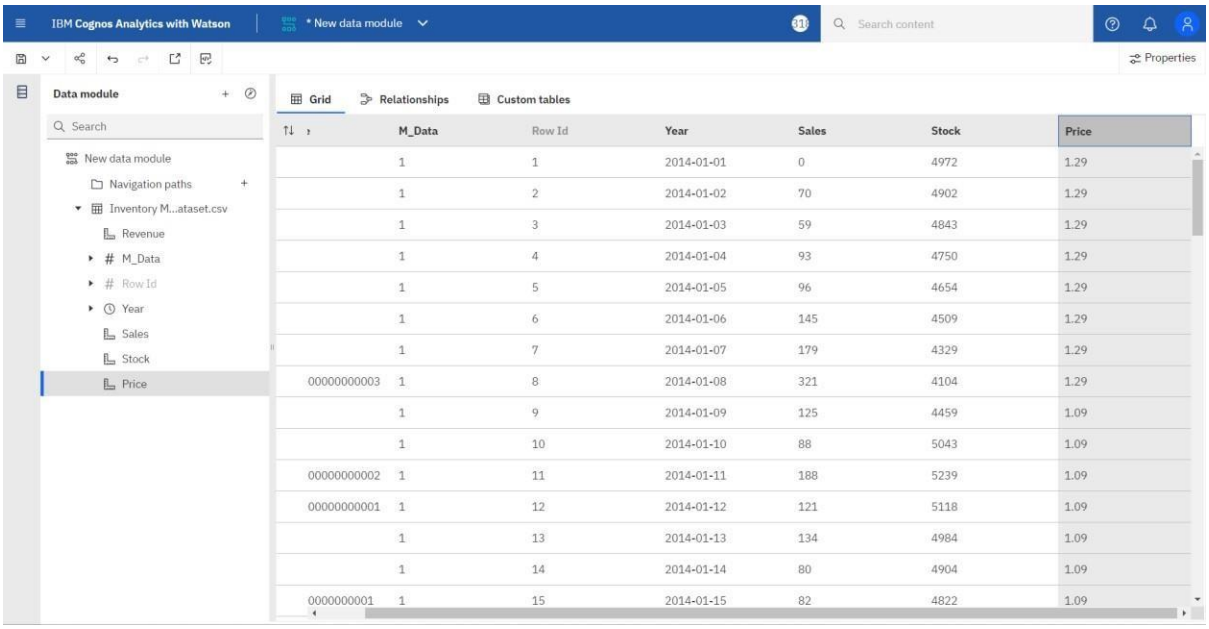
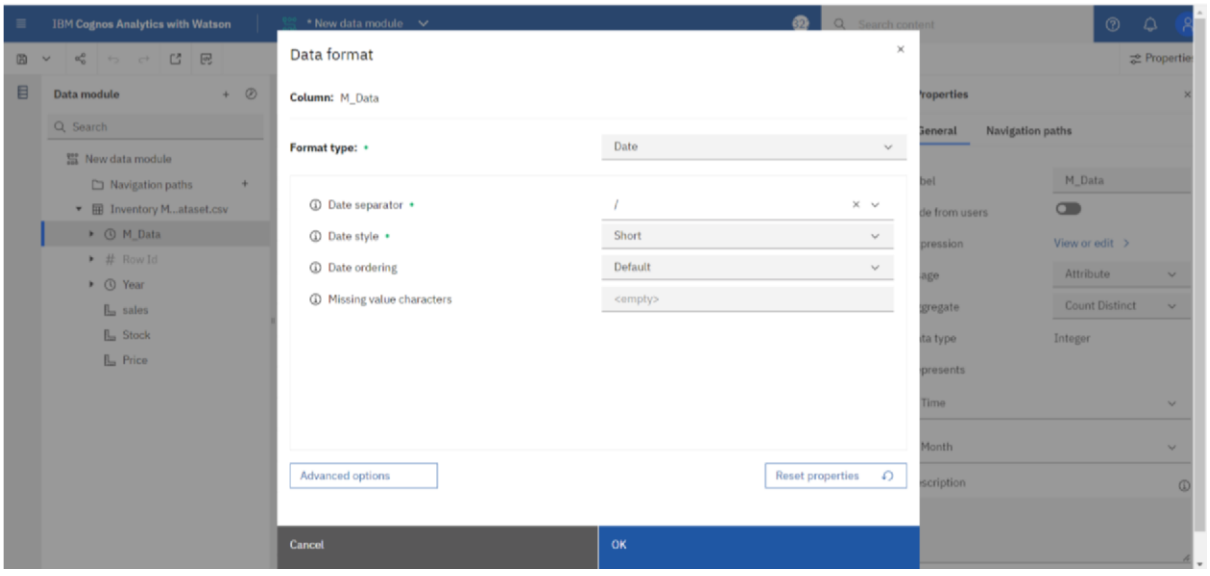
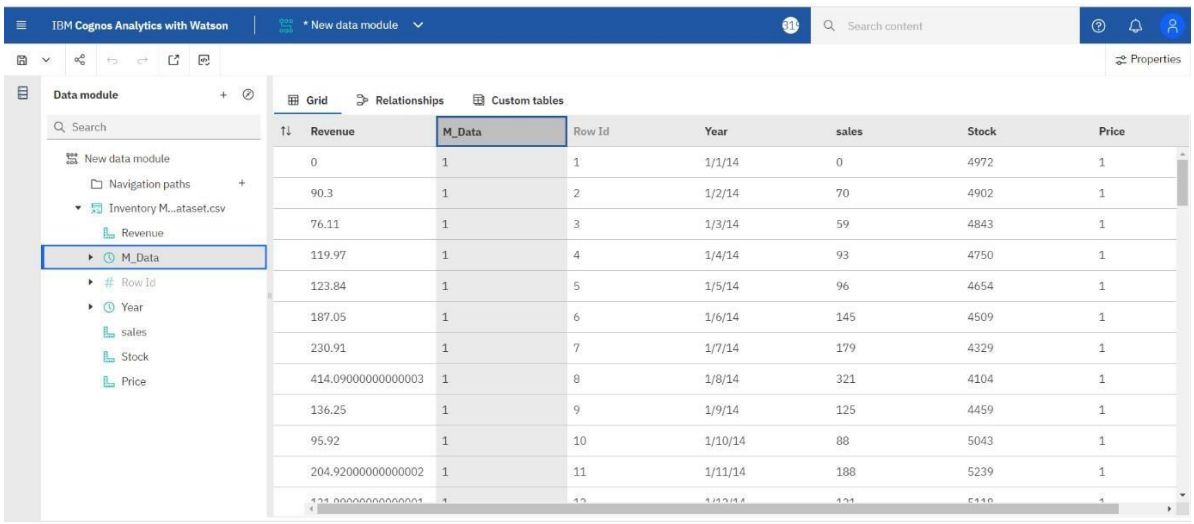
Price Data:

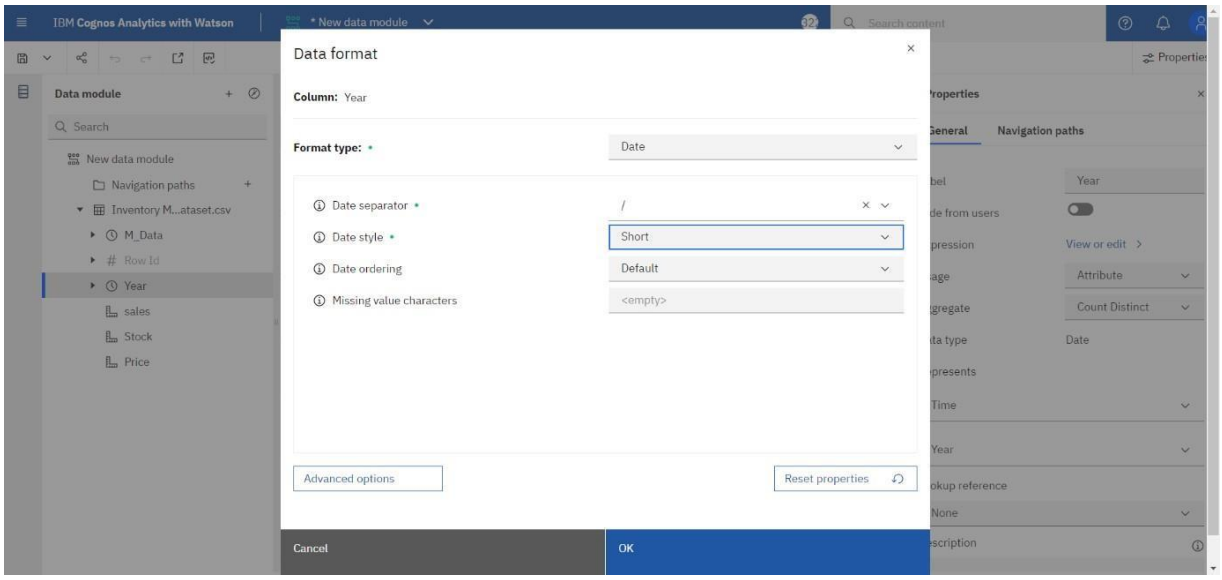


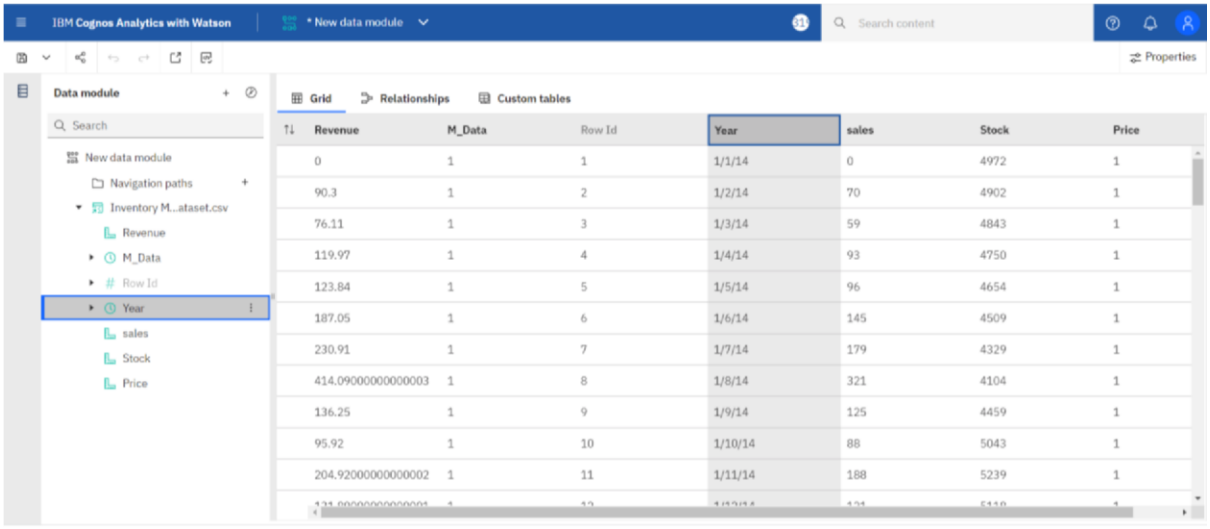
Month Format Data:



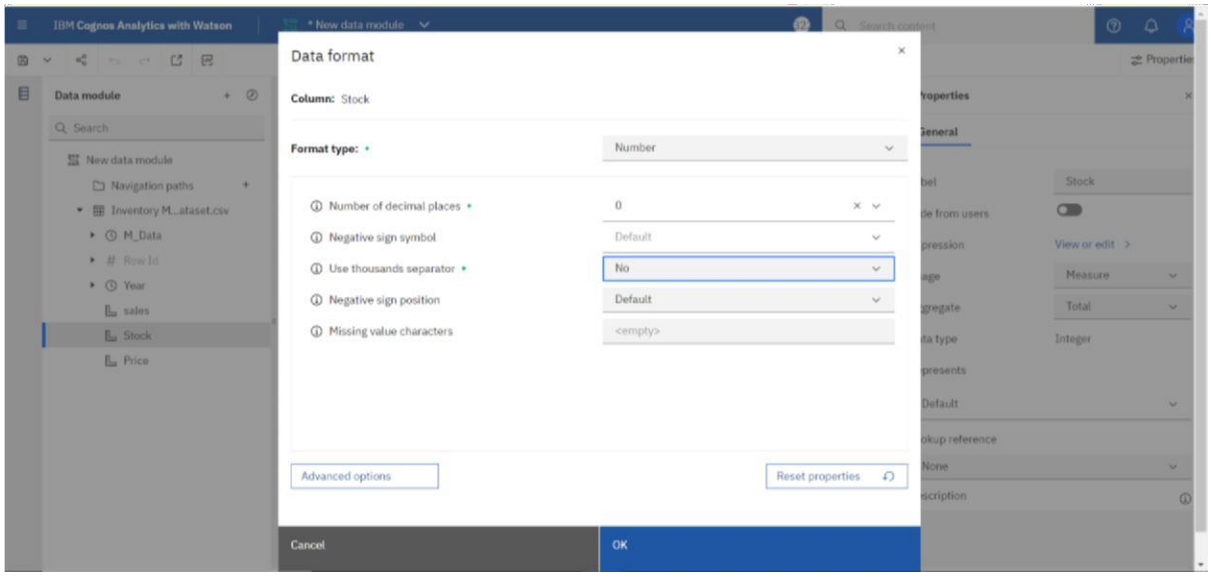


Year Format Data:





Stock Format Data:


IBM Cognos Analytics with Watson
* New data module
Data format
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Number of decimal places *
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Negative sign symbol
Default
Use thousands separator *
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Default
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Reset properties
Cancel
OK
Data module
Search
New data module
Navigation paths
Inventory M...ataset.csv
M_Data
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Stock
Price
Properties
General
Stock
Measure
Total
Integer
Default
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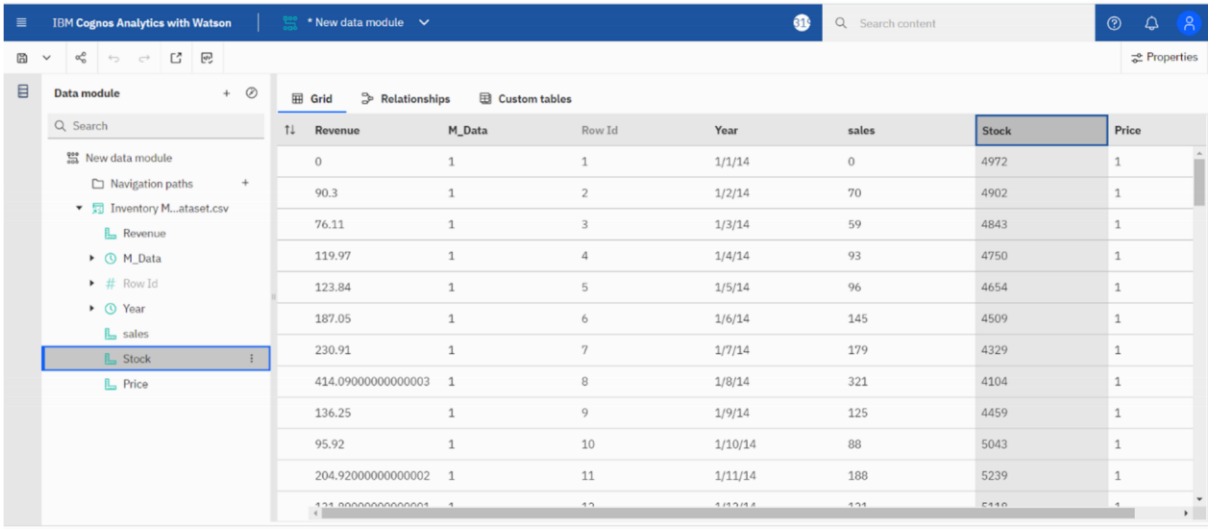
IBM Cognos Analytics with Watson
* New data module
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Properties
Data module
Search
New data module
Navigation paths
Inventory M...ataset.csv
Revenue
M_Data
Row Id
Year
sales
Stock
Price
Grid
Relationships
Custom tables
Revenue
M_Data
Row Id
Year
sales
Stock
Price
0 1 1 1/1/14 0 4972 1
90.3 1 2 1/2/14 70 4902 1
76.11 1 3 1/3/14 59 4843 1
119.97 1 4 1/4/14 93 4750 1
123.84 1 5 1/5/14 96 4654 1
187.05 1 6 1/6/14 145 4509 1
230.91 1 7 1/7/14 179 4329 1
414.09000000000003 1 8 1/8/14 321 4104 1
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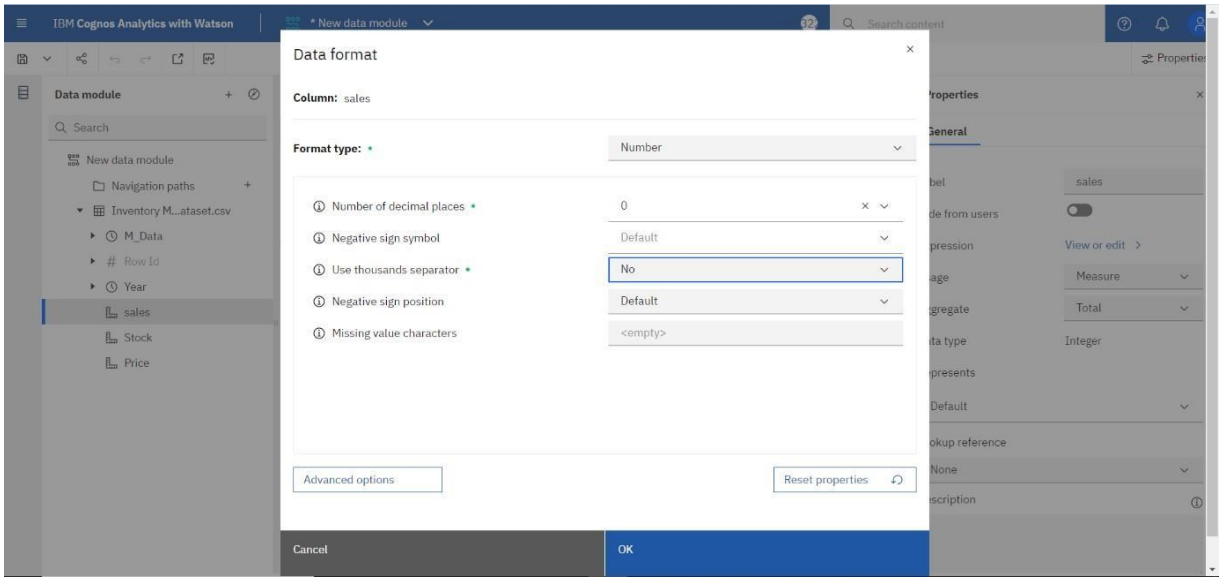
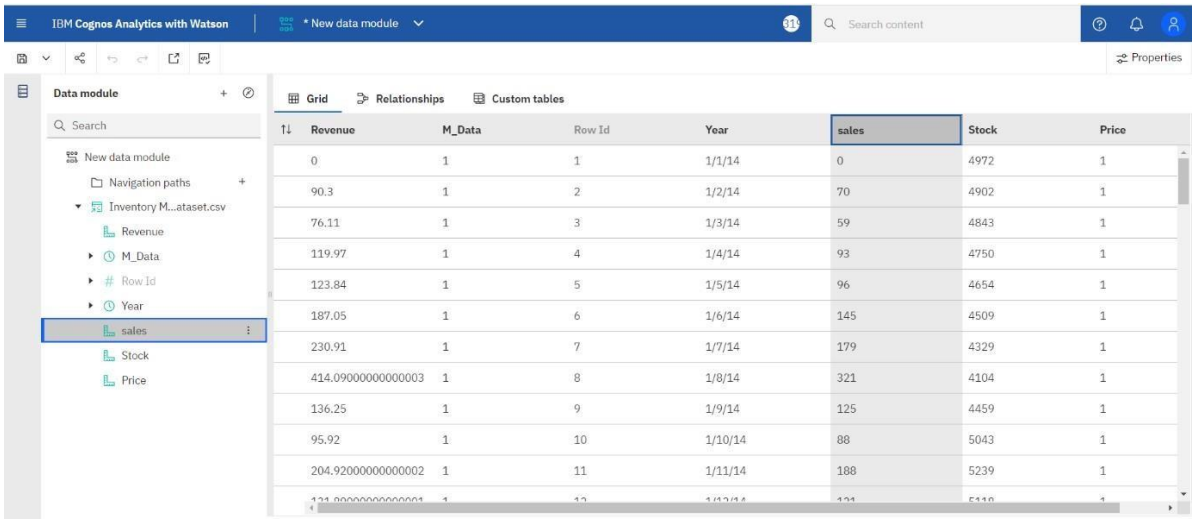
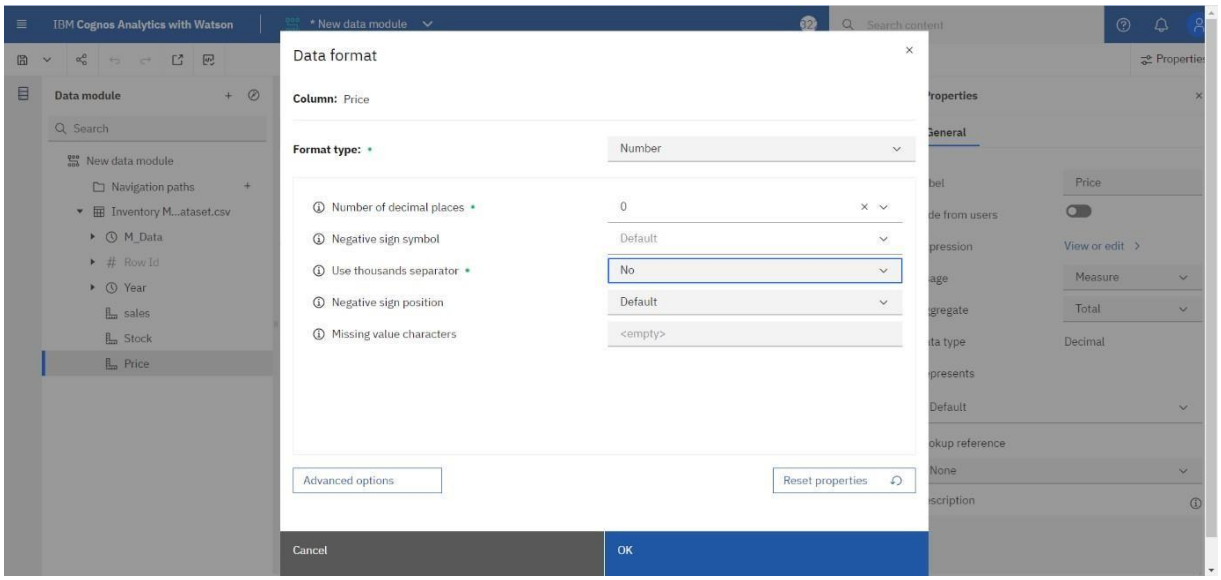
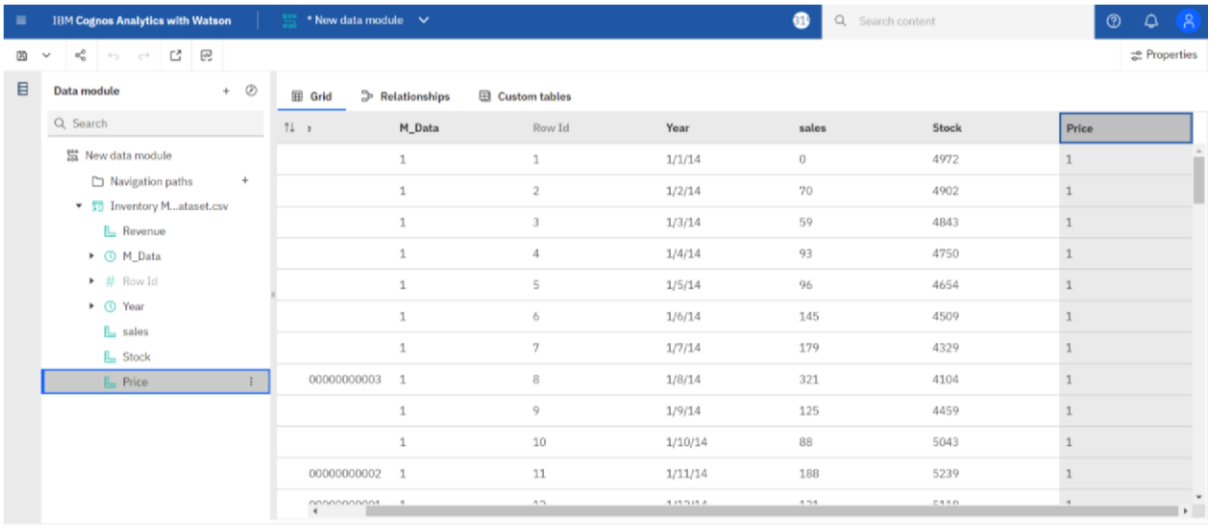
Sales Format Data:



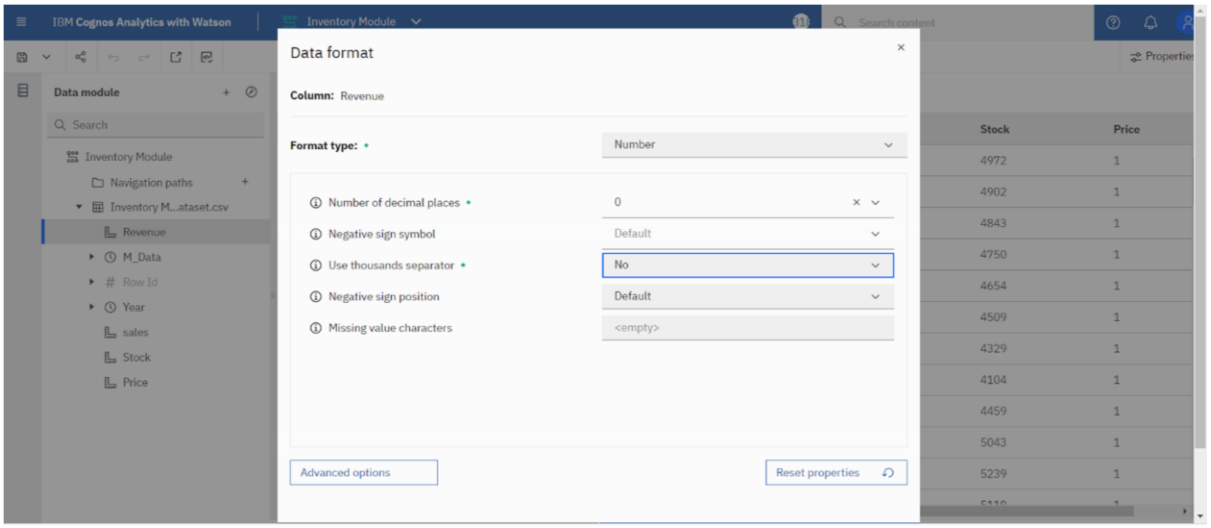


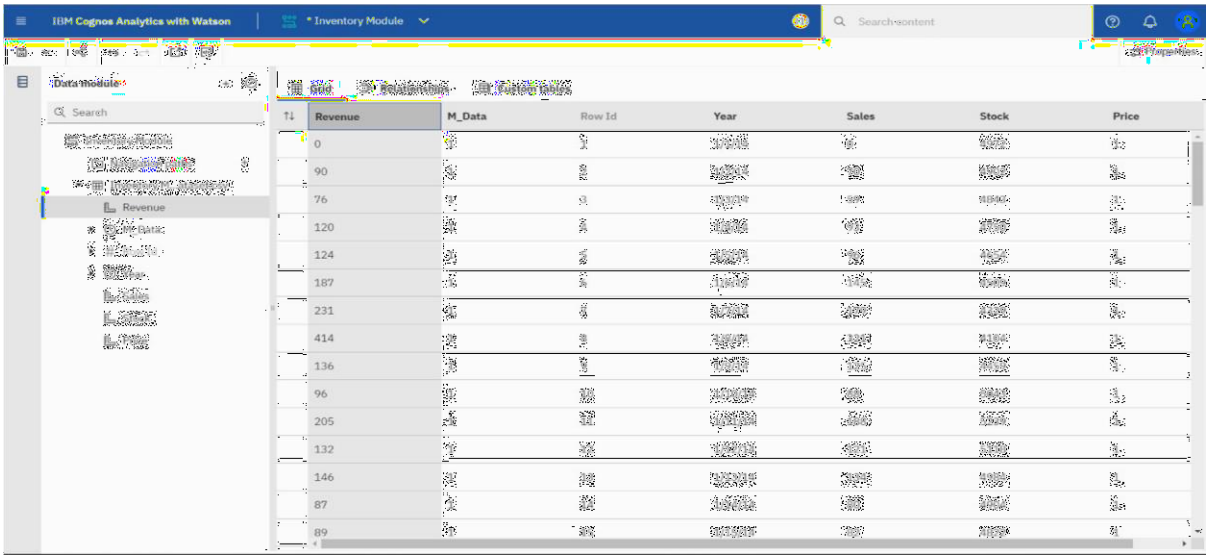
Price Format Data:





Revenue Format Data:





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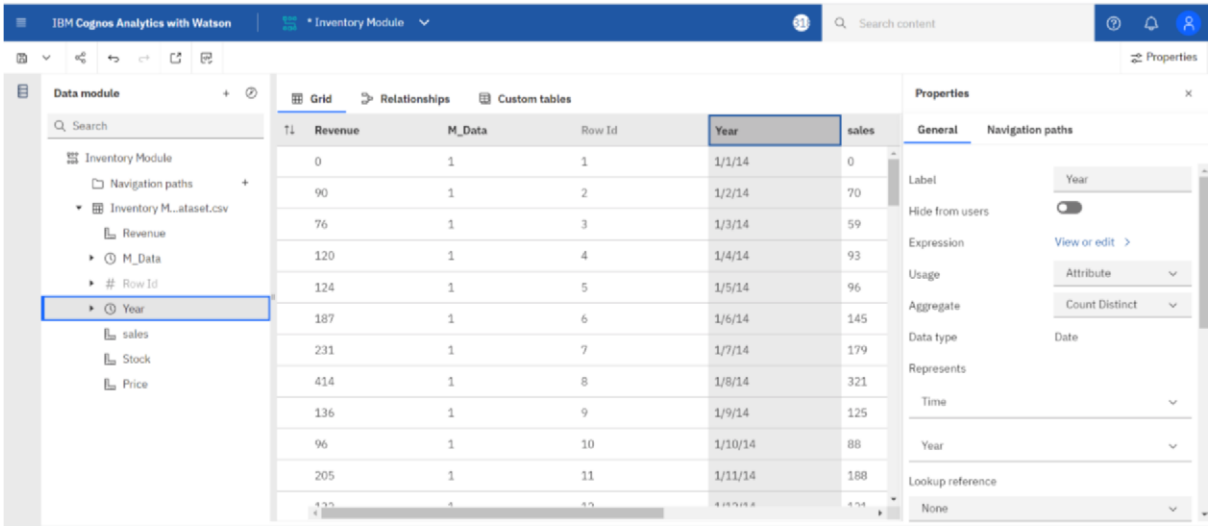

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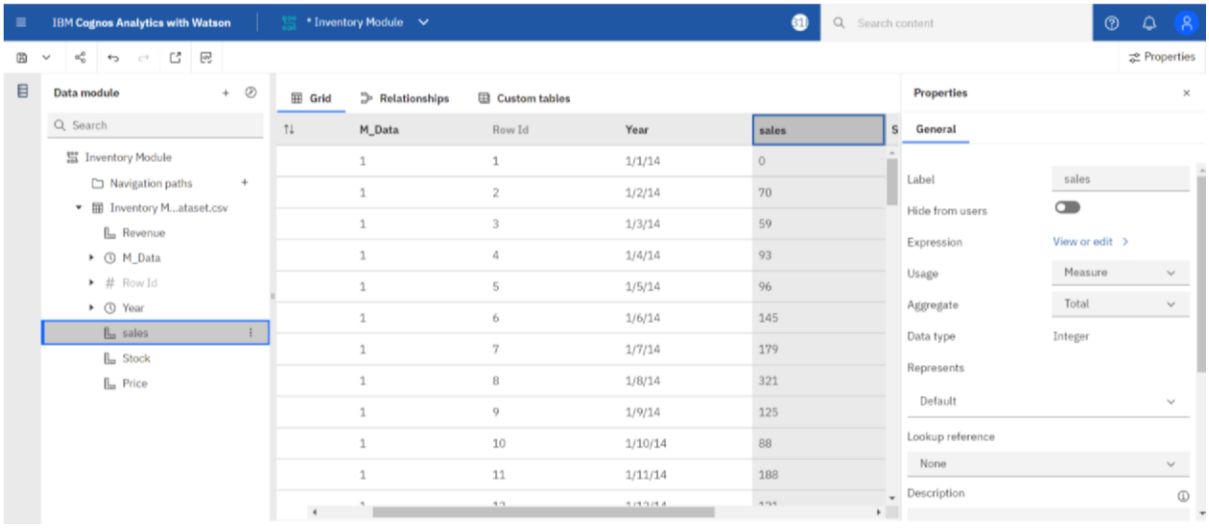

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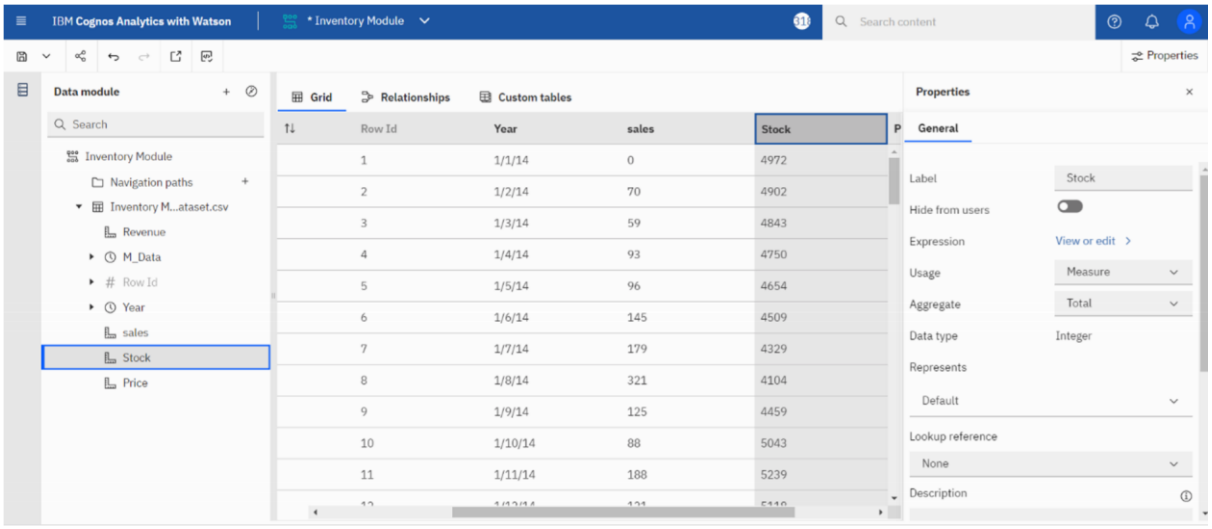

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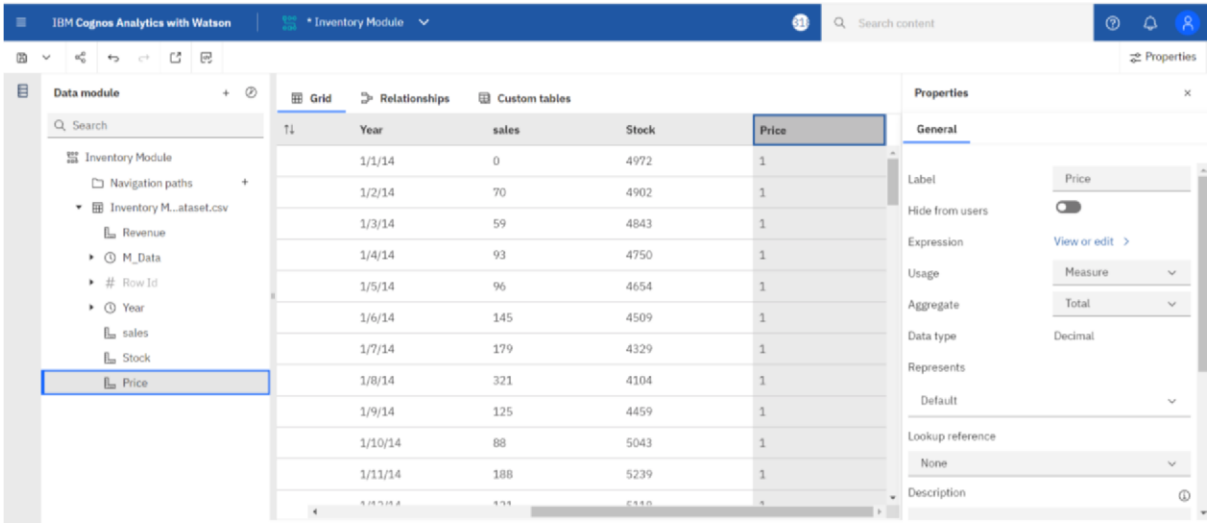
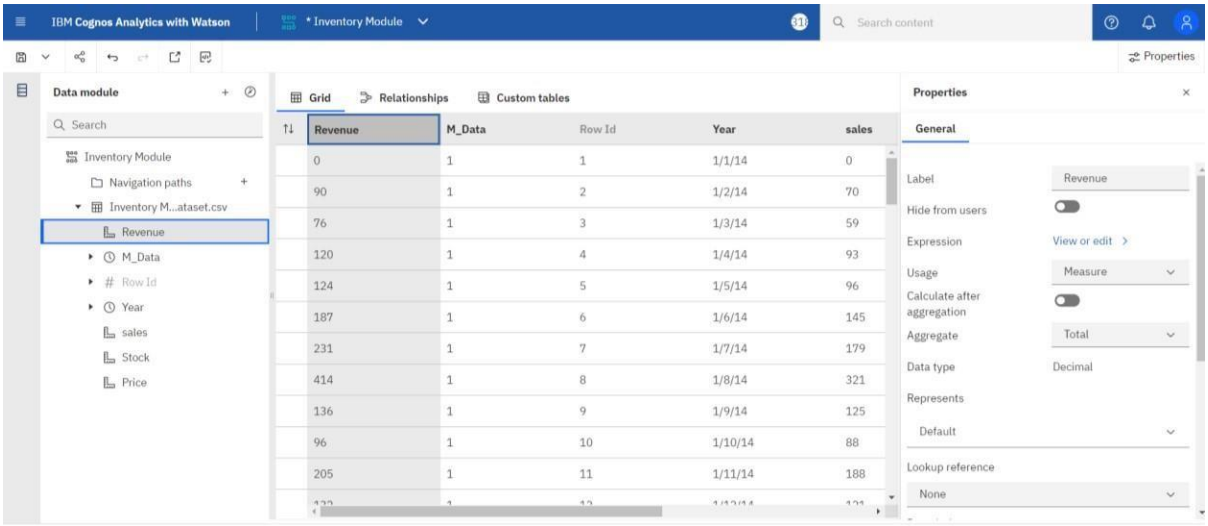
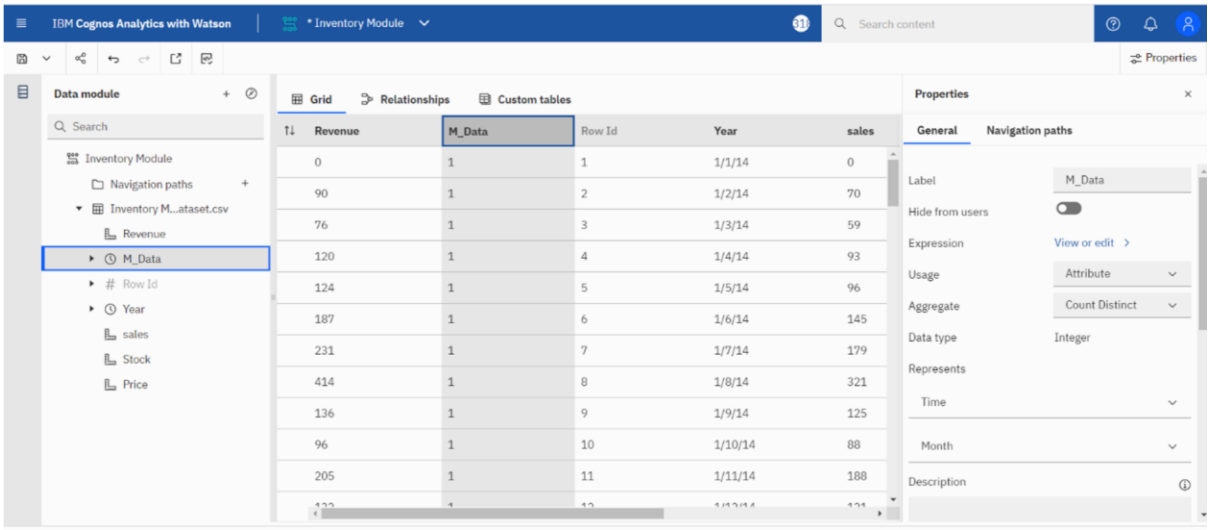


Revenue Properties:



M_Data Properties:



Prepared Data link:

https://us3.ca.analytics.ibm.com/bi/?perspective=camodeller&pathRef=.my_folders%2FInventory%2BModule