

Project Development Phase

Sprint - 1

Team ID	PNT2022TMID16423
Project Name	Project - Retail Store Stock Inventory Analytics

SPRINT-1

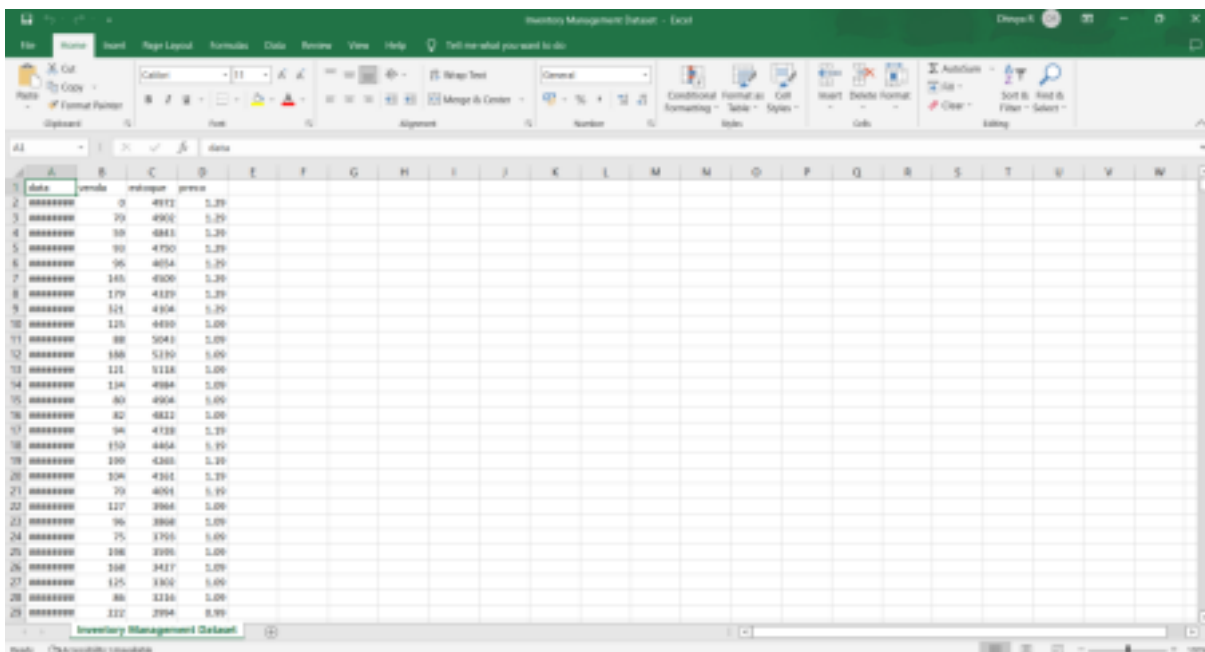
- Data Collection
- Data Preparation

Data Collection:

1. Download the Dataset

Dataset link -

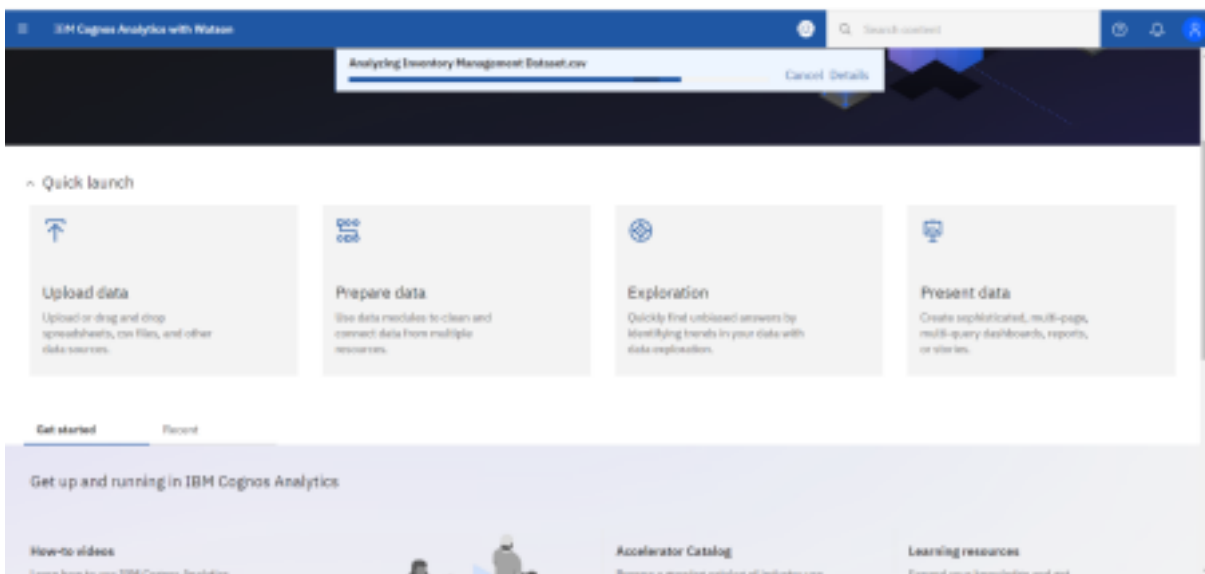
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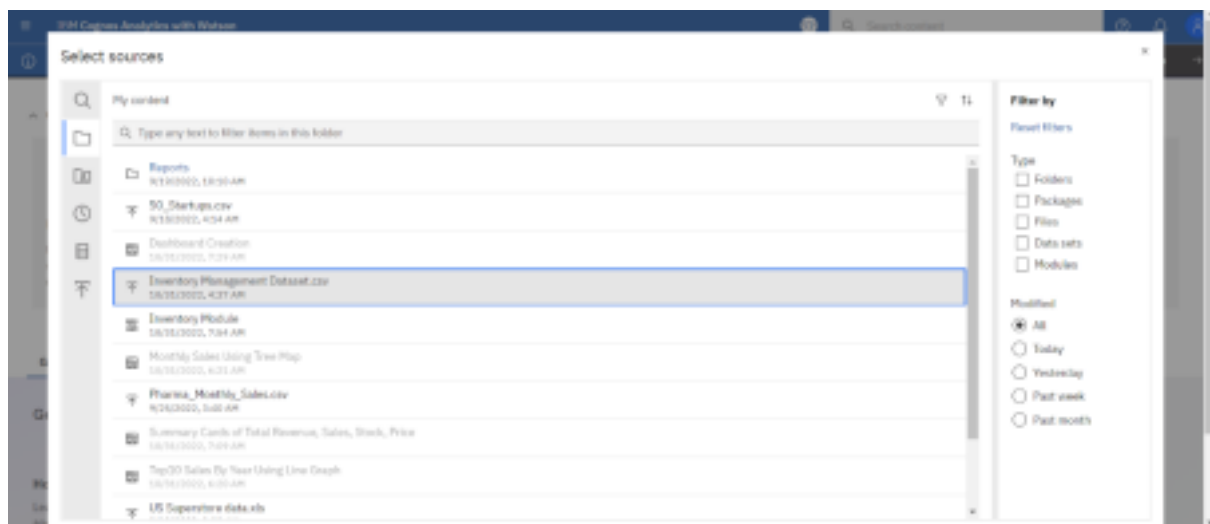
2. Load

the Dataset

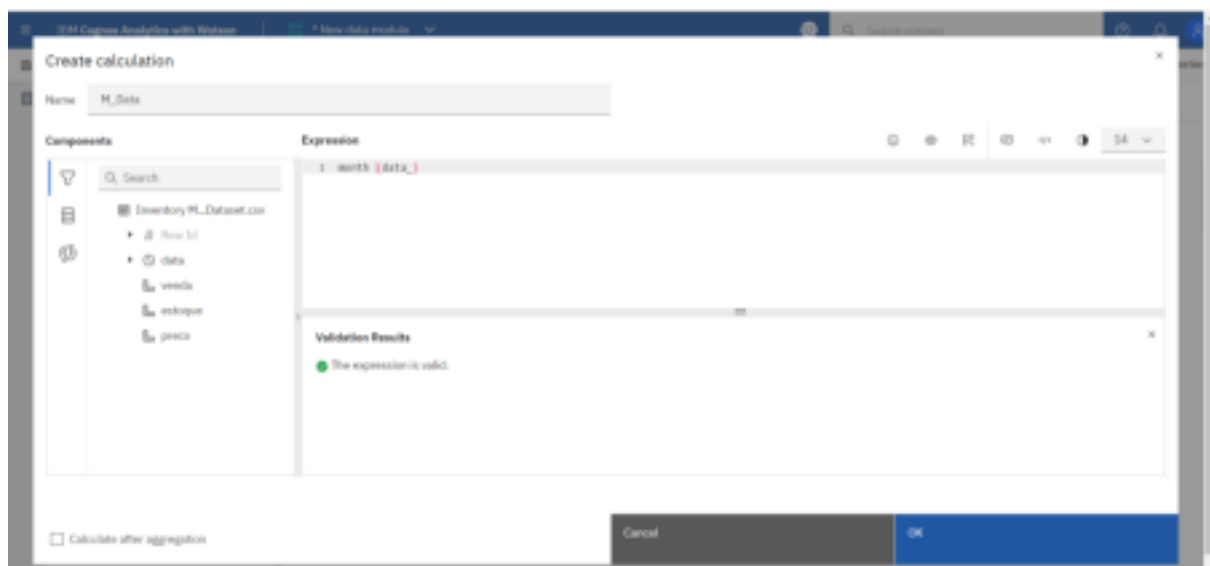
Tool Used: IBM Cognos



Data Preparation:

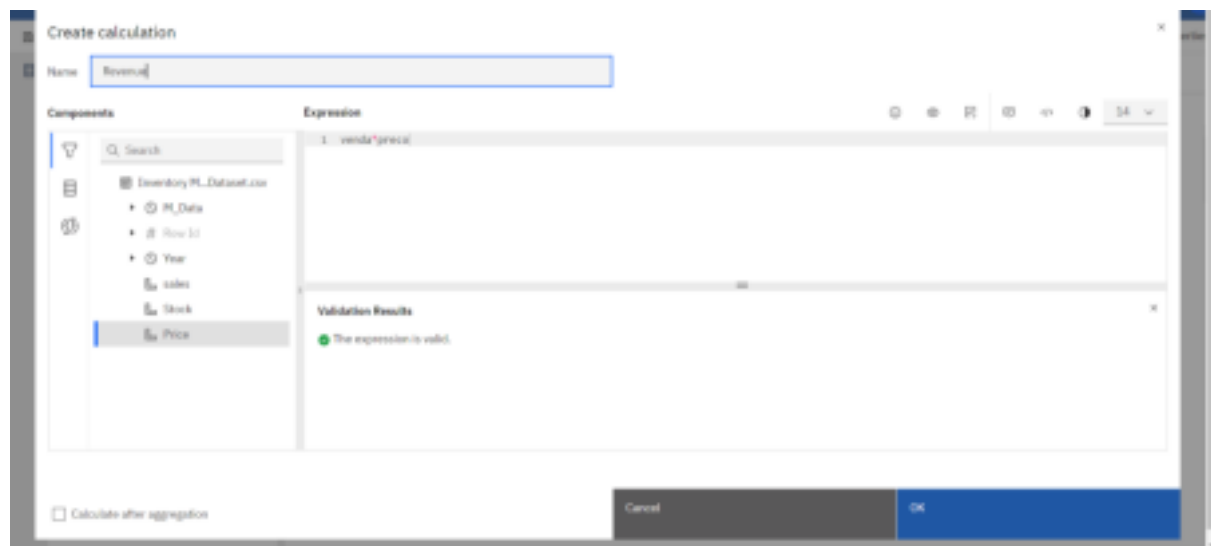


Month Data(M_Data):



Row Id	Year	Sales	Stock	Price
1	2014-01-01	0	4972	1.29
2	2014-01-02	79	4903	1.29
3	2014-01-03	54	4843	1.29
4	2014-01-04	93	4750	1.29
5	2014-01-05	96	4658	1.29
6	2014-01-06	145	4509	1.29
7	2014-01-07	179	4329	1.29
8	2014-01-08	121	4204	1.29
9	2014-01-09	125	4419	1.89
10	2014-01-10	98	5043	1.89
11	2014-01-11	186	5239	1.89
12	2014-01-12	121	5518	1.89
13	2014-01-13	134	4904	1.89
14	2014-01-14	88	4904	1.89
15	2014-01-15	82	4872	1.89

Revenue Data:



Qlik Sense Analytics with Web browser | New data module

Search content

Properties

Data module

Search

- New data module
 - Navigation paths
 - Inventory_M_Data.csv
 - Revenue**
 - M_Data
 - Row Id
 - Year
 - Sales
 - Stock
 - Price

Grid

Ti	Revenue	M_Data	Row Id	Year	Sales	Stock	Price
0	0	1	1	2014-01-01	0	4972	1.29
90.1	90.1	1	2	2014-01-02	70	4980	1.29
76.11	76.11	1	3	2014-01-03	59	4943	1.29
118.97	118.97	1	4	2014-01-04	93	4750	1.29
123.84	123.84	1	5	2014-01-05	96	4654	1.29
187.09	187.09	1	6	2014-01-06	145	4509	1.29
218.91	218.91	1	7	2014-01-07	179	4329	1.29
414.0908080808081	414.0908080808081	1	8	2014-01-08	321	4184	1.29
136.25	136.25	1	9	2014-01-09	125	4499	1.89
96.92	96.92	1	10	2014-01-10	88	5043	1.89
204.9080808080808	204.9080808080808	1	11	2014-01-11	188	5239	1.89
171.0908080808081	171.0908080808081	1	12	2014-01-12	121	5130	1.89
146.06	146.06	1	13	2014-01-13	134	4984	1.89
87.2	87.2	1	14	2014-01-14	80	4984	1.89
89.38808080808081	89.38808080808081	1	15	2014-01-15	82	4822	1.89

Year Data: Year Data:

Qlik Sense Analytics with Web browser | New data module

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Properties

Data module

Search

- New data module
 - Navigation paths
 - Inventory_M_Data.csv
 - Revenue
 - M_Data**
 - Row Id
 - Year
 - Sales
 - Stock
 - Price

Grid

Ti	Revenue	M_Data	Row Id	Year	Sales	Stock	Price
0	0	1	1	2014-01-01	0	4972	1.29
90.1	90.1	1	2	2014-01-02	70	4980	1.29
76.11	76.11	1	3	2014-01-03	59	4943	1.29
118.97	118.97	1	4	2014-01-04	93	4750	1.29
123.84	123.84	1	5	2014-01-05	96	4654	1.29
187.09	187.09	1	6	2014-01-06	145	4509	1.29
218.91	218.91	1	7	2014-01-07	179	4329	1.29
414.0908080808081	414.0908080808081	1	8	2014-01-08	321	4184	1.29
136.25	136.25	1	9	2014-01-09	125	4499	1.89
96.92	96.92	1	10	2014-01-10	88	5043	1.89
204.9080808080808	204.9080808080808	1	11	2014-01-11	188	5239	1.89
171.0908080808081	171.0908080808081	1	12	2014-01-12	121	5130	1.89
146.06	146.06	1	13	2014-01-13	134	4984	1.89
87.2	87.2	1	14	2014-01-14	80	4984	1.89
89.38808080808081	89.38808080808081	1	15	2014-01-15	82	4822	1.89

Stock Data:

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Inventory M_data.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Revenue	M_Data	Row Id	Year	Sales	Stock	Price
8	1	1	2014-01-01	8	4972	1.29
90.3	1	2	2014-01-02	70	4982	1.29
76.11	1	3	2014-01-03	99	4843	1.29
118.97	1	4	2014-01-04	83	4790	1.29
123.84	1	5	2014-01-05	96	4654	1.29
187.05	1	6	2014-01-06	145	4589	1.29
238.91	1	7	2014-01-07	179	4329	1.29
414.09080808080803	1	8	2014-01-08	323	4184	1.29
138.25	1	9	2014-01-09	125	4499	1.09
95.92	1	10	2014-01-10	88	5043	1.09
204.92080808080802	1	11	2014-01-11	188	5239	1.09
115.09080808080801	1	12	2014-01-12	123	5138	1.09
148.06	1	13	2014-01-13	134	4984	1.09
87.2	1	14	2014-01-14	80	4984	1.09
89.188080808080801	1	15	2014-01-15	82	4822	1.09

Sales Data:

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

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New data module

Navigation paths

Inventory M_data.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

Revenue	M_Data	Row Id	Year	Sales	Stock	Price
8	1	1	2014-01-01	8	4972	1.29
90.3	1	2	2014-01-02	70	4982	1.29
76.11	1	3	2014-01-03	99	4843	1.29
118.97	1	4	2014-01-04	83	4790	1.29
123.84	1	5	2014-01-05	96	4654	1.29
187.05	1	6	2014-01-06	145	4589	1.29
238.91	1	7	2014-01-07	179	4329	1.29
414.09080808080803	1	8	2014-01-08	323	4184	1.29
138.25	1	9	2014-01-09	125	4499	1.09
95.92	1	10	2014-01-10	88	5043	1.09
204.92080808080802	1	11	2014-01-11	188	5239	1.09
115.09080808080801	1	12	2014-01-12	123	5138	1.09
148.06	1	13	2014-01-13	134	4984	1.09
87.2	1	14	2014-01-14	80	4984	1.09
89.188080808080801	1	15	2014-01-15	82	4822	1.09

Price Data:

IBM Cognos Analytics with Watson

New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Inventory M_data.csv

Revenue

M_Data

Row Id

Year

Sales

Stock

Price

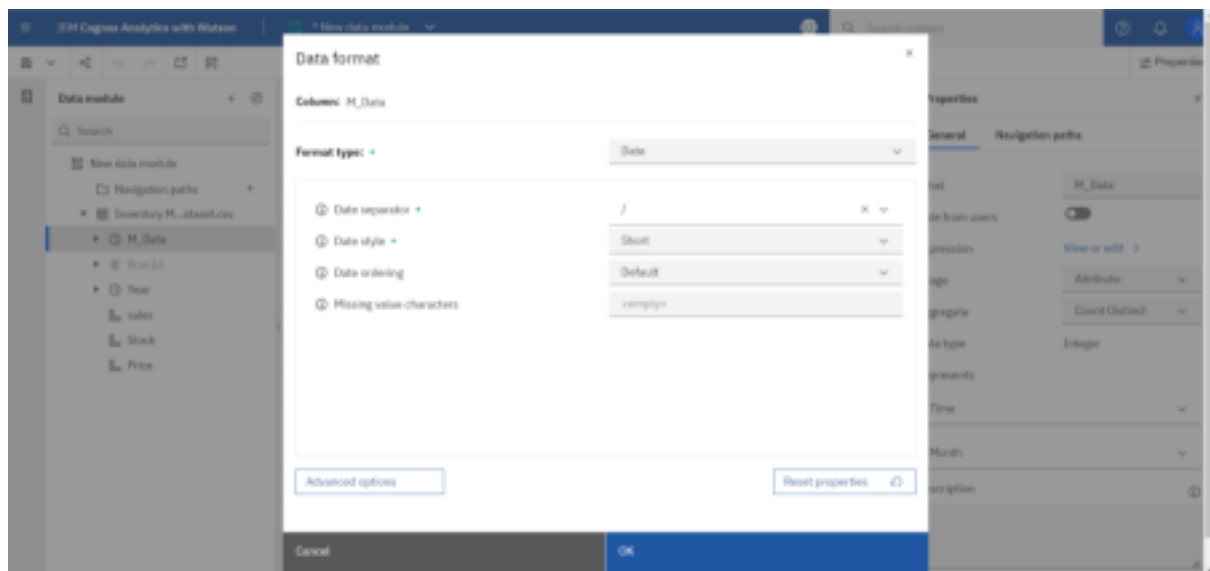
Grid

Relationships

Custom tables

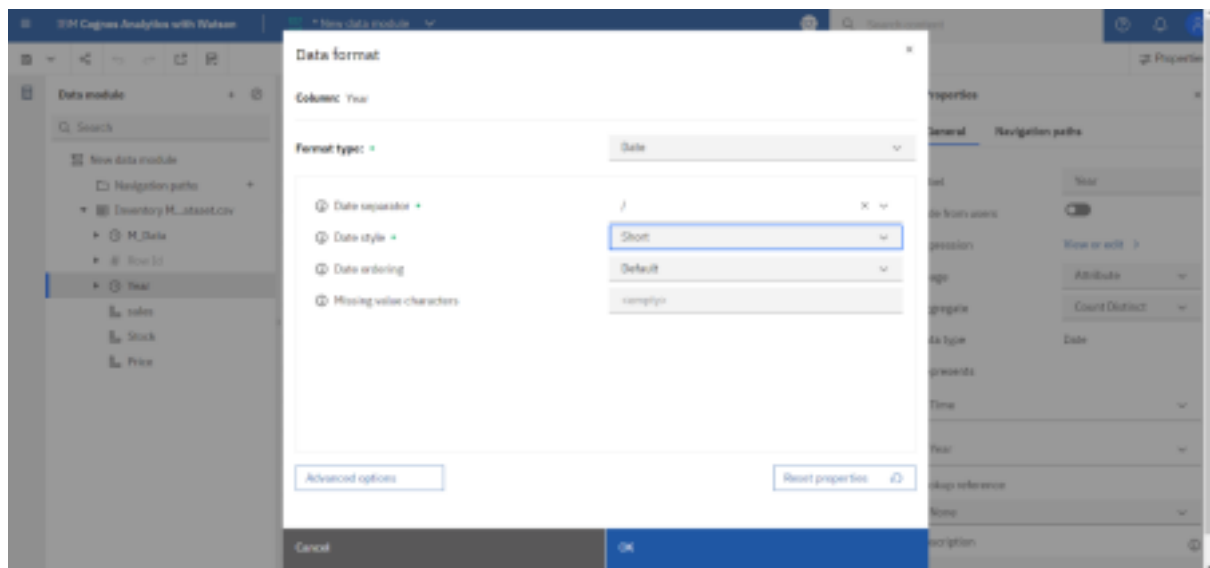
	M_Data	Row Id	Year	Sales	Stock	Price	
1	1	1	2014-01-01	8	4972	1.29	
	1	2	2014-01-02	70	4982	1.29	
	1	3	2014-01-03	99	4843	1.29	
	1	4	2014-01-04	83	4790	1.29	
	1	5	2014-01-05	96	4654	1.29	
	1	6	2014-01-06	145	4589	1.29	
	1	7	2014-01-07	179	4329	1.29	
	0000000002	1	8	2014-01-08	323	4184	1.29
	1	9	2014-01-09	125	4499	1.09	
	1	10	2014-01-10	88	5043	1.09	
	0000000002	1	11	2014-01-11	188	5239	1.09
	0000000001	1	12	2014-01-12	123	5138	1.09
	1	13	2014-01-13	134	4984	1.09	
	1	14	2014-01-14	80	4984	1.09	
	0000000001	1	15	2014-01-15	82	4822	1.09

Month Format Data:



Revenue	M_Data	Row ID	Year	sales	Stock	Price
0	1	1	3/1/14	0	4972	1
90.3	1	2	3/1/14	30	4982	1
76.31	1	3	3/1/14	99	4943	1
115.97	1	4	3/4/14	93	4790	1
123.84	1	5	3/5/14	96	4654	1
187.06	1	6	3/6/14	105	4589	1
238.93	1	7	3/7/14	179	4329	1
414.0908080808080	1	8	3/8/14	121	4164	1
136.25	1	9	3/9/14	125	4499	1
95.92	1	10	3/10/14	88	9043	1
204.9008080808080	1	11	3/11/14	108	5299	1

Year Format Data:



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New data module

Search content

Properties

Data module

Search

New data module

Navigation paths

Inventory M...asset.csv

M_Data

Row Id

Year

sales

Stock

Price


Grid

Relationships

Custom tables

11	Revenue	M_Data	Row Id	Year	sales	Stock	Price
8		1	1	1/1/14	0	4972	1
90.3		1	2	1/1/14	30	4982	1
76.31		1	3	1/1/14	59	4943	1
118.97		1	4	1/4/14	93	4790	1
123.84		1	5	1/5/14	96	4654	1
187.05		1	6	1/6/14	145	4589	1
238.91		1	7	1/7/14	179	4329	1
414.09080808080808		1	8	1/8/14	323	4184	1
336.25		1	9	1/9/14	325	4489	1
95.92		1	10	1/10/14	88	5043	1
204.92080808080808		1	11	1/11/14	188	5229	1
130.08080808080808		1	12	1/12/14	830	5135	1

Stock Format Data:





Sales Format Data:



Price Format Data:





Revenue Format Data:



Year Properties:



Sales Properties:



Stock Properties:



Price Properties:



Revenue Properties:



M_Data Properties:

