

RETAIL STORE STOCK INVENTORY ANALYTICS

Delivery of Sprint - 2

Date	25 October 2022
Team ID	PNT2022TMID50994
Project Name	Retail Store Stock Inventory Analytics

Project Development Phase:

Sprint-1:

-  Data Collection
-  Data Preparation

Sprint-2:

-  Data Exploration

Sprint-3:

-  Dashboard Creation

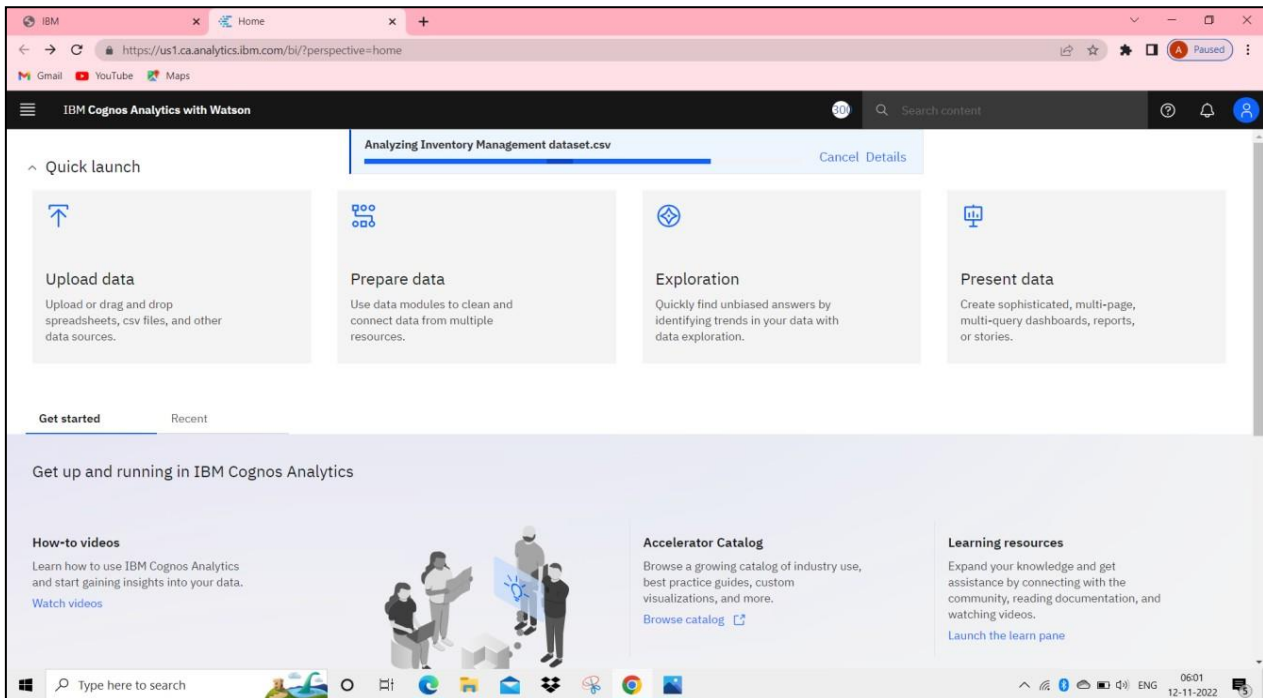
Sprint-4:

-  Report Creation
-  Story Creation

A	B	C	D
data	venda	estoque	preço
#####	0	4972	1.29
#####	70	4902	1.29
#####	59	4843	1.29
#####	93	4750	1.29
#####	96	4654	1.29
#####	145	4509	1.29
#####	179	4329	1.29
#####	321	4104	1.29
#####	125	4459	1.09
#####	88	5043	1.09
#####	188	5239	1.09
#####	121	5118	1.09
#####	134	4984	1.09
#####	80	4904	1.09
#####	82	4822	1.09
#####	94	4728	1.19
#####	159	4464	1.19
#####	199	4265	1.19
#####	104	4161	1.19
#####	70	4091	1.19
#####	127	3964	1.09
#####	96	3868	1.09
#####	75	3769	1.09
#####	198	3565	1.09
#####	168	3427	1.09
#####	125	3302	1.09
#####	86	3216	1.09
#####	222	2904	0.99

2. Load the Dataset to IBM Cognos

Tool Used: IBM Cognos

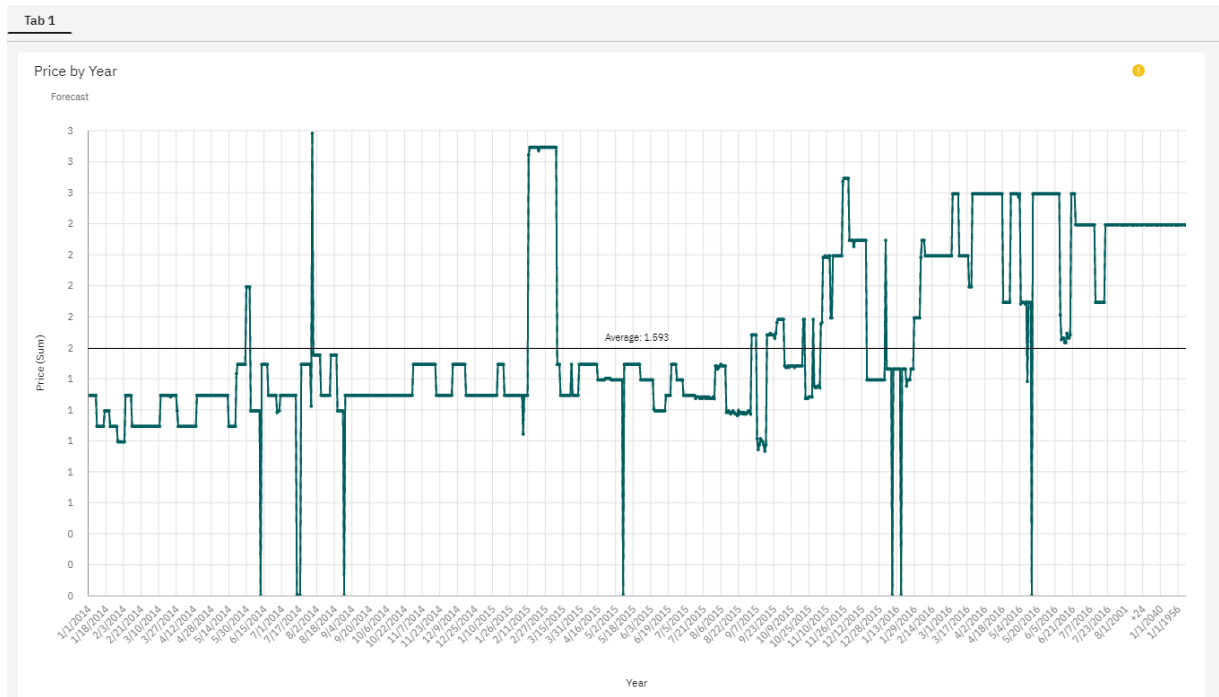


3. Inventory Data

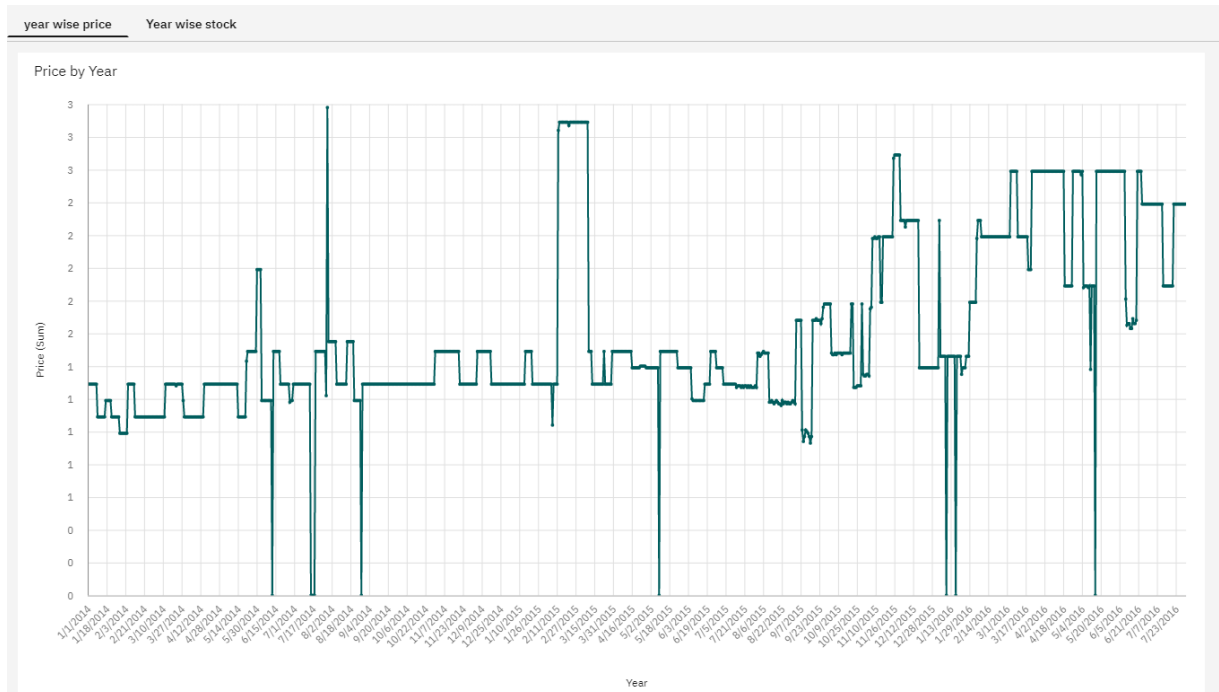
The screenshot displays the 'Inventory Module' in IBM Cognos Analytics. A blue banner at the top indicates 'Maintenance: Scheduled maintenance completed. Click More Info for details and to subscribe to future events'. On the left, a 'Data module' sidebar shows a tree view with 'Inventory Module' expanded, revealing 'Navigation paths' and 'Inventory M...ataset.csv'. The main area shows a 'Grid' view of the data. The table has columns for 'Revenue', 'M_Data', 'Row Id', 'Year', 'sales', 'Stock', and 'Price'. The data is organized into 12 rows, each representing a different date in 2014.

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
136.25	1	9	1/9/14	125	4459	1
95.92	1	10	1/10/14	88	5043	1
204.92000000000002	1	11	1/11/14	188	5239	1
131.89000000000001	1	12	1/12/14	121	5118	1

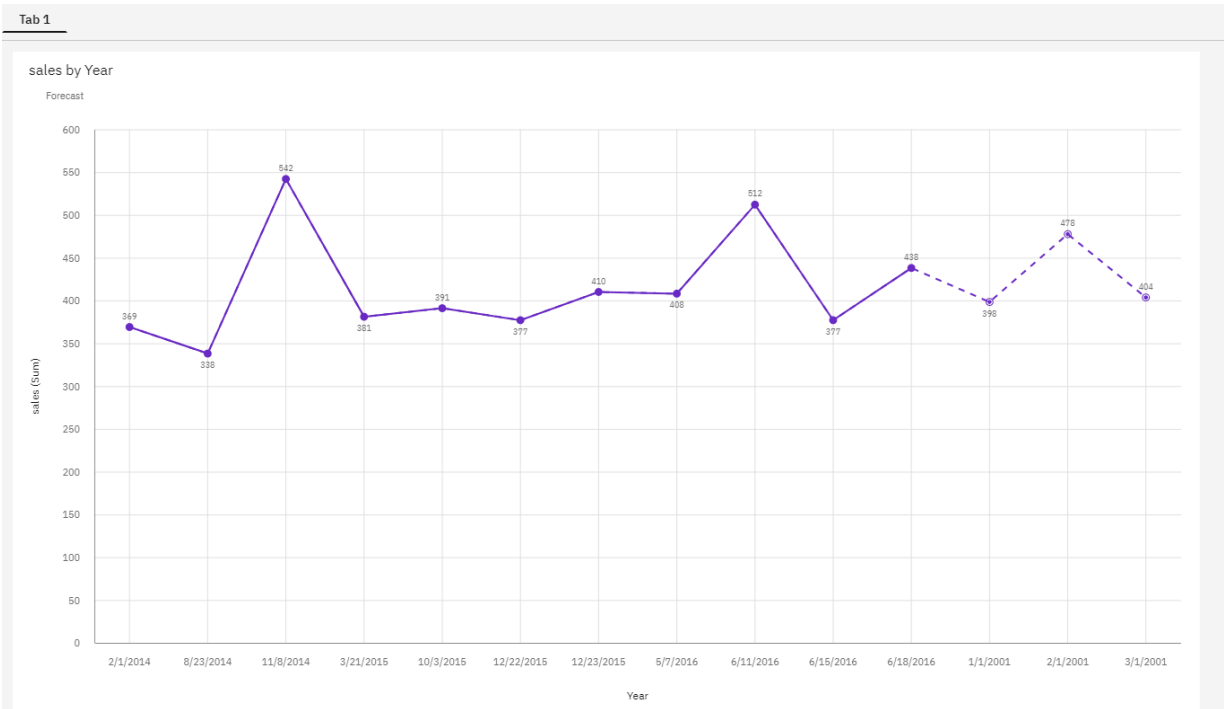
4. Year Wise Price Using Line Graph



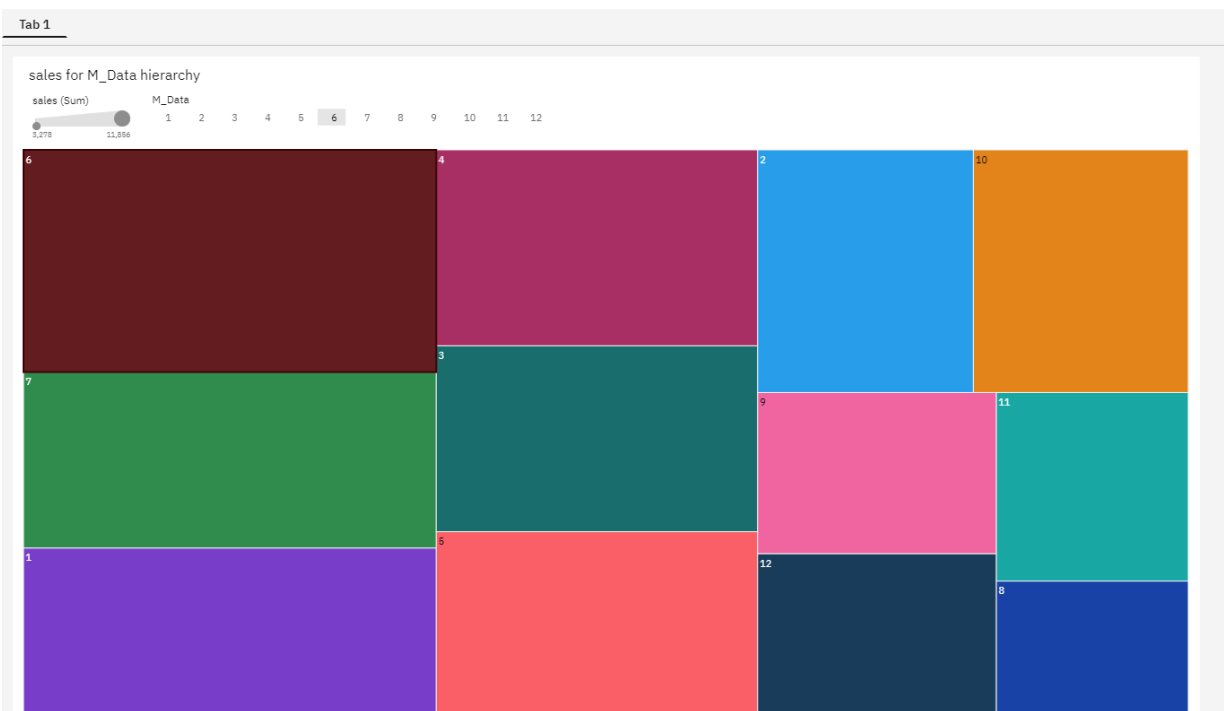
5. Year Wise Stock Using Line Graph



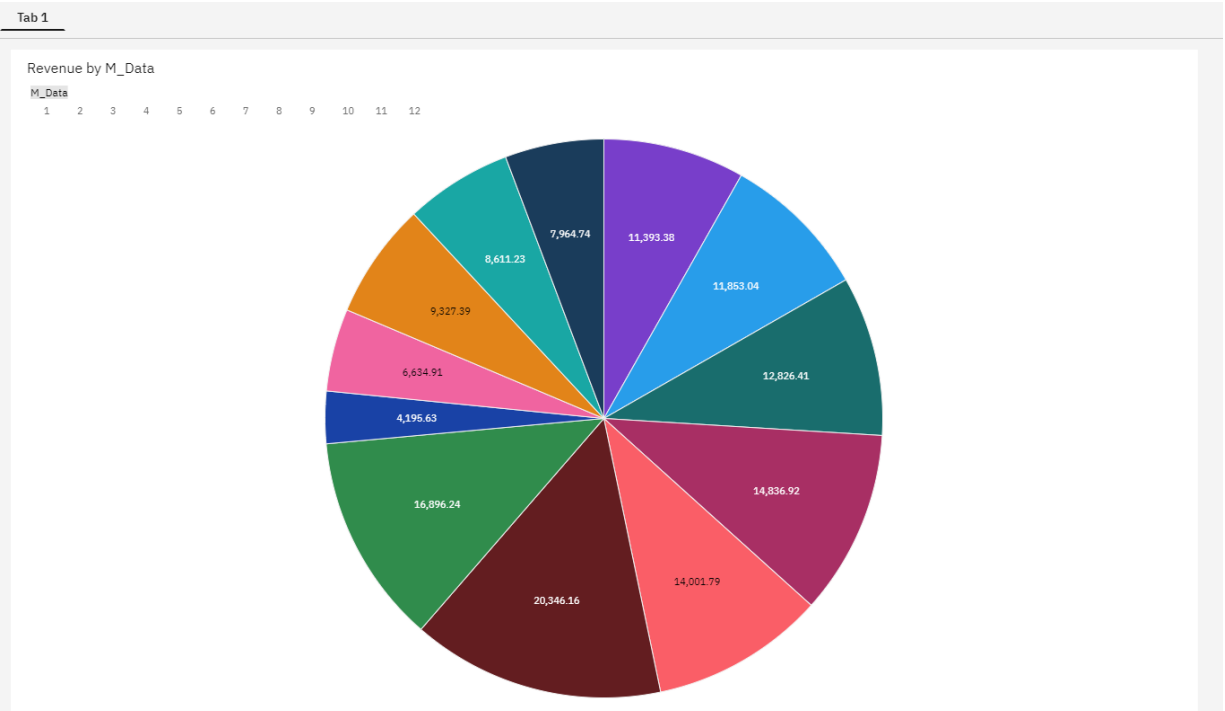
6. Top 10 Sales by Year Using Line Graph



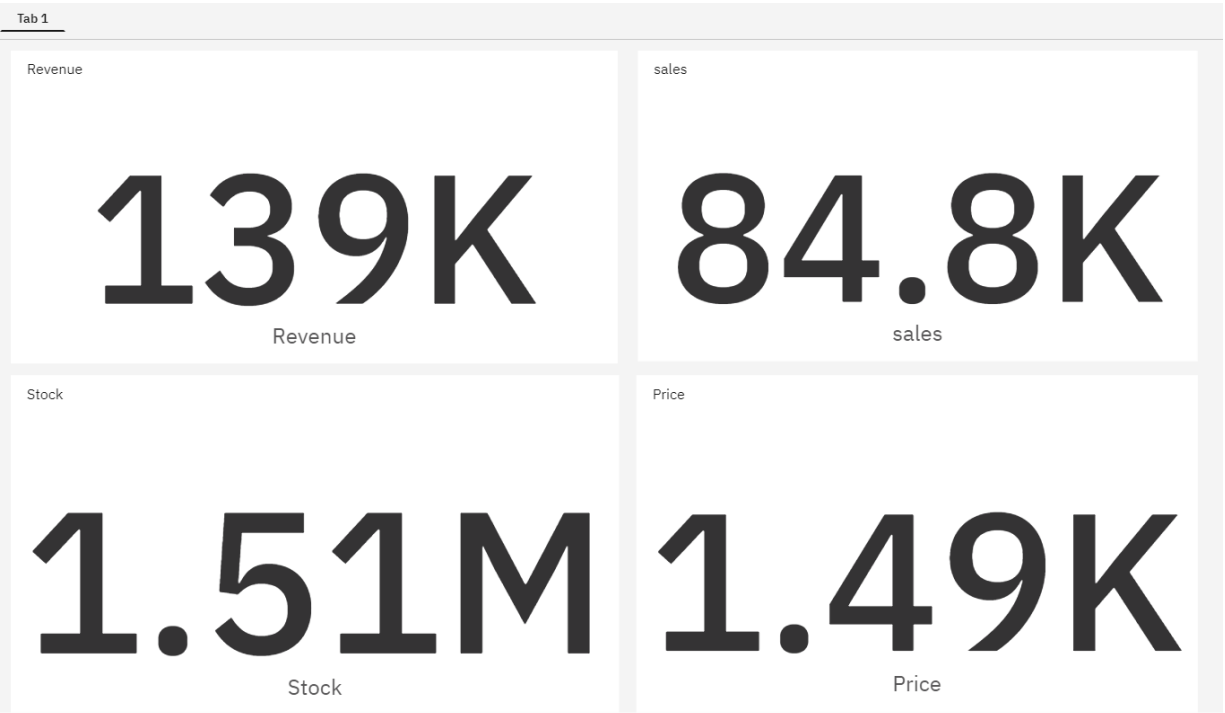
7. Monthly Sales Using Tree Map



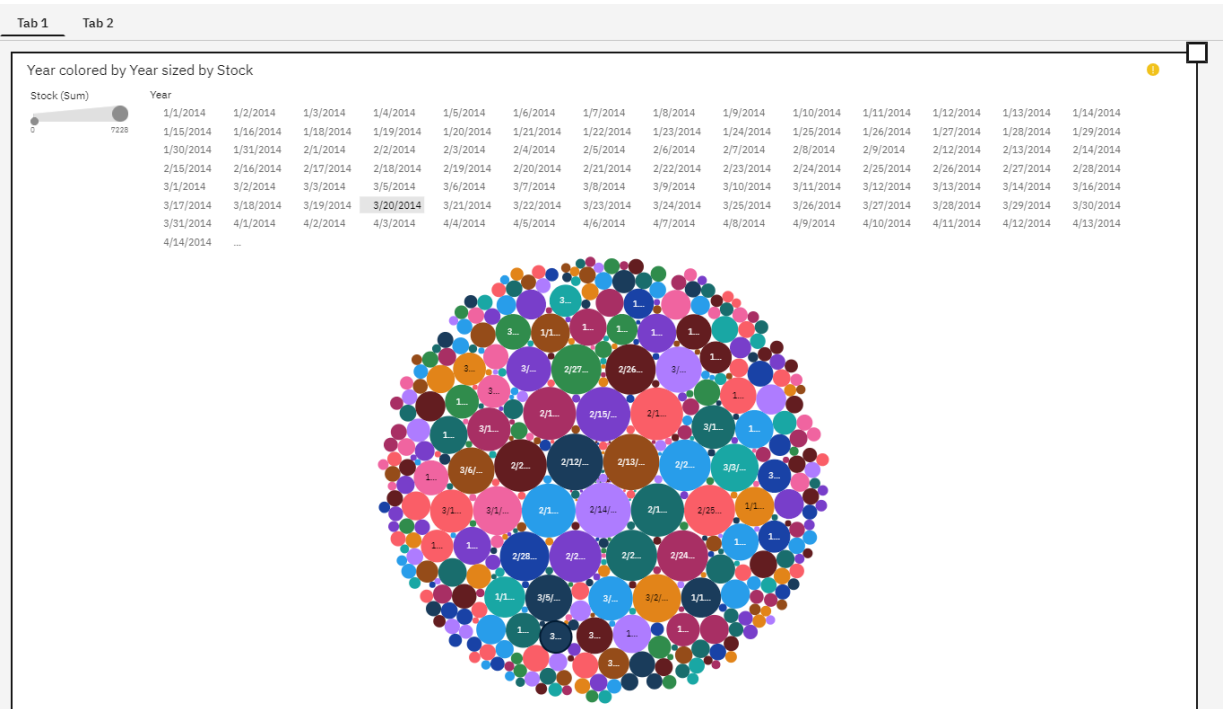
8. Monthly Revenue By Pie Chart



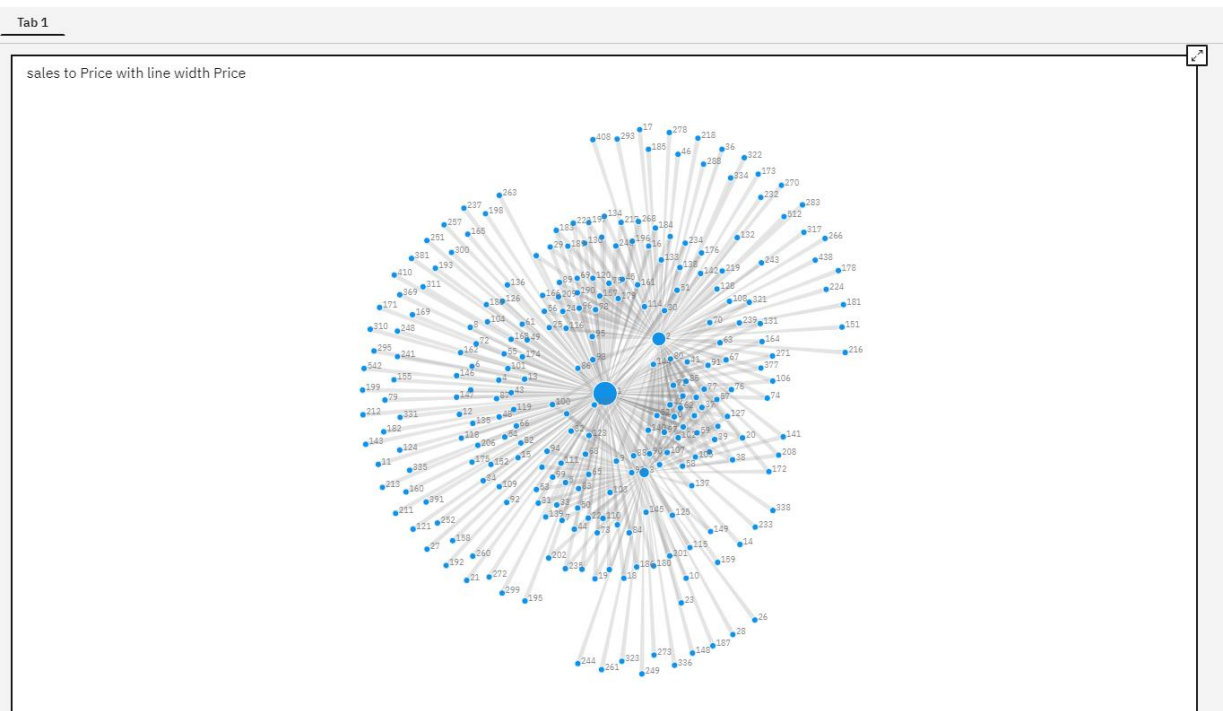
9. Summary Cards of Total Revenue, Sales, Stock, Price



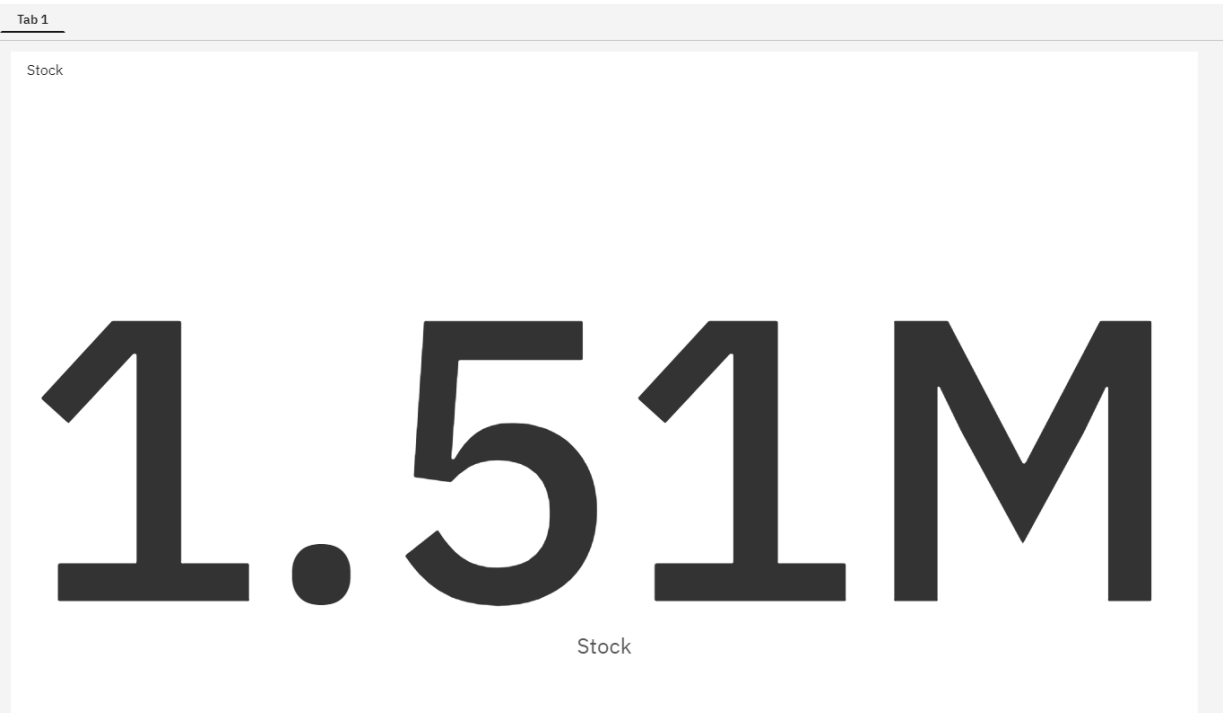
10. Year colored by Year sized by Stock



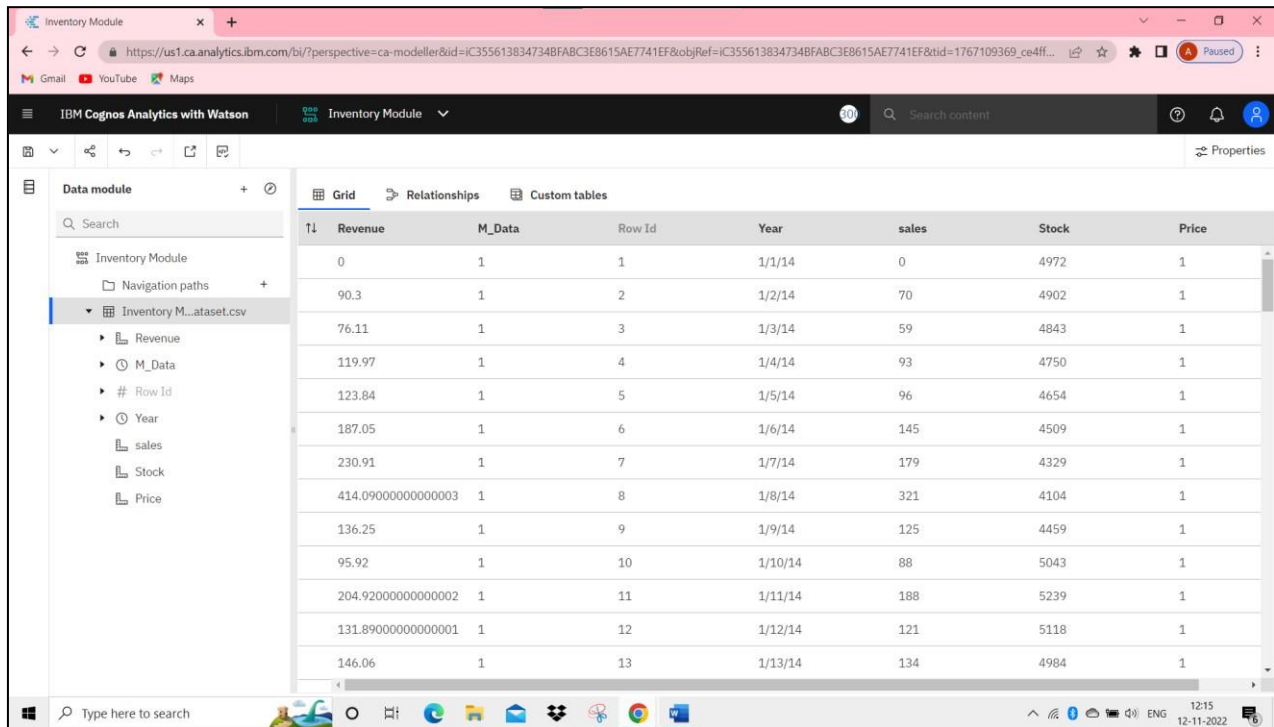
11. Sales to Price with Line Width Price



12. Stock User (KPI)



Pre Processed Data:



The screenshot displays the IBM Cognos Analytics web interface. The browser address bar shows a URL from us1.ca.analytics.ibm.com. The application header includes 'IBM Cognos Analytics with Watson' and 'Inventory Module'. On the left, a 'Data module' sidebar lists various data sources, with 'Inventory M...ataset.csv' selected. The main area shows a table with columns: Revenue, M_Data, Row Id, Year, sales, Stock, and Price. The table contains 13 rows of data, with the first row having a Revenue of 0 and the last row having a Revenue of 146.06. The interface also includes a search bar, navigation icons, and a system tray at the bottom showing the date and time as 12:15 on 12-11-2022.

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
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136.25	1	9	1/9/14	125	4459	1
95.92	1	10	1/10/14	88	5043	1
204.92000000000002	1	11	1/11/14	188	5239	1
131.89000000000001	1	12	1/12/14	121	5118	1
146.06	1	13	1/13/14	134	4984	1

Prepared Dataset Link:

https://us1.ca.analytics.ibm.com/bi/?perspective=ca-modeller&pathRef=.my_folders%2FInventory%2BModule

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