

Project Development Phase

SPRINT-2

Team ID	PNT2022TMID26445
Project Name	Project – Retail Store Stock Inventory Analytics

SPRINT-2:

- Download and Load the Dataset
- Sales by Year
- Price by Year
- Inventory by Date
- Sales by Month_Data colored by Month_Data
- Inventory by Month_Data colored by Month_Data
- Price by Month_Data colored by Month_Data
- Sales Sunburst
- Inventory Summary
- Price Sunburst
- Date hierarchy colored by Date and sized by top 10 Sales
- Inventory and Sales for Month_Data colored by Month_Data
- Top 10 Inventory for Date hierarchy
- Wordcloud for Date sized by Sales
- Revenue by Year colored by Month_Data
- Revenue by Month_Data colored by Month_Data

DATA COLLECTION:

1. Download the dataset

Dataset link –

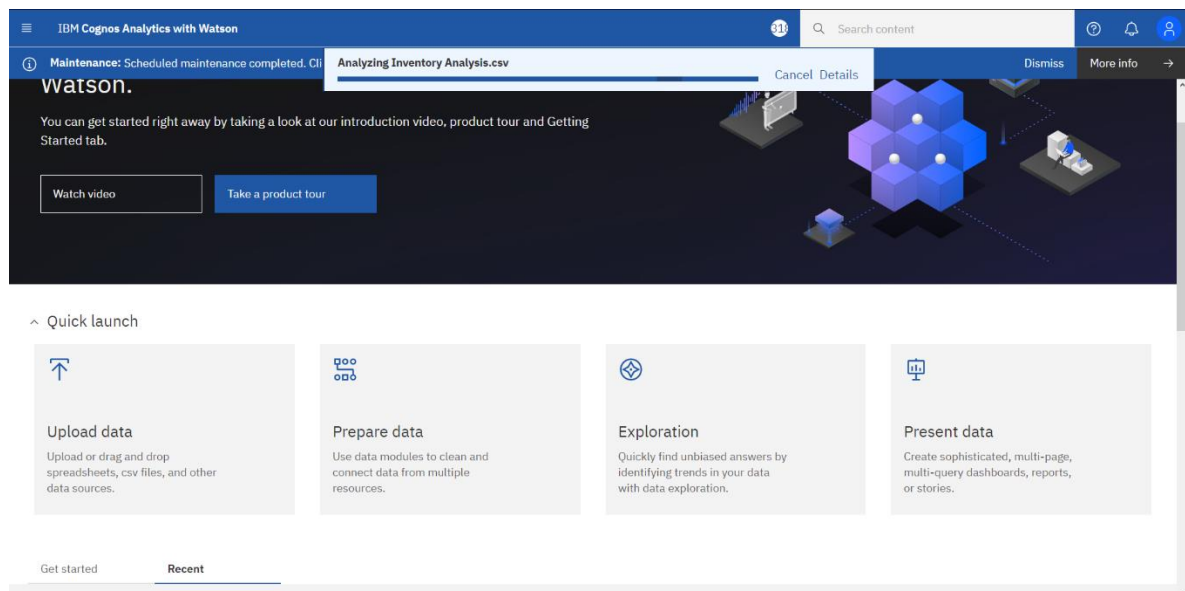
https://drive.google.com/drive/folders/1o4BfwwR0A58IV-YhvhyIDl4pImLeI2C6?usp=share_link

The screenshot shows an Excel spreadsheet titled "Inventory Analysis.csv". The spreadsheet contains a table with the following data:

Date	Sale	Inventory	Price
01-01-2014	0	4972	108
02-01-2014	70	4902	108
03-01-2014	59	4843	108
04-01-2014	93	4750	108
05-01-2014	96	4654	108
06-01-2014	145	4509	108
07-01-2014	179	4329	108
08-01-2014	321	4104	108
09-01-2014	125	4459	91
10-01-2014	88	5043	91
11-01-2014	188	5239	91
12-01-2014	121	5118	91
13-01-2014	134	4984	91
14-01-2014	80	4904	91
15-01-2014	82	4822	91
16-01-2014	94	4728	99
18-01-2014	159	4464	99
19-01-2014	199	4265	99
20-01-2014	104	4161	99
21-01-2014	70	4091	99
22-01-2014	127	3964	91
23-01-2014	96	3868	91
24-01-2014	75	3793	91
25-01-2014	198	3595	91
26-01-2014	168	3427	91
27-01-2014	125	3302	91
28-01-2014	86	3216	91
30-01-2014	77	3094	92

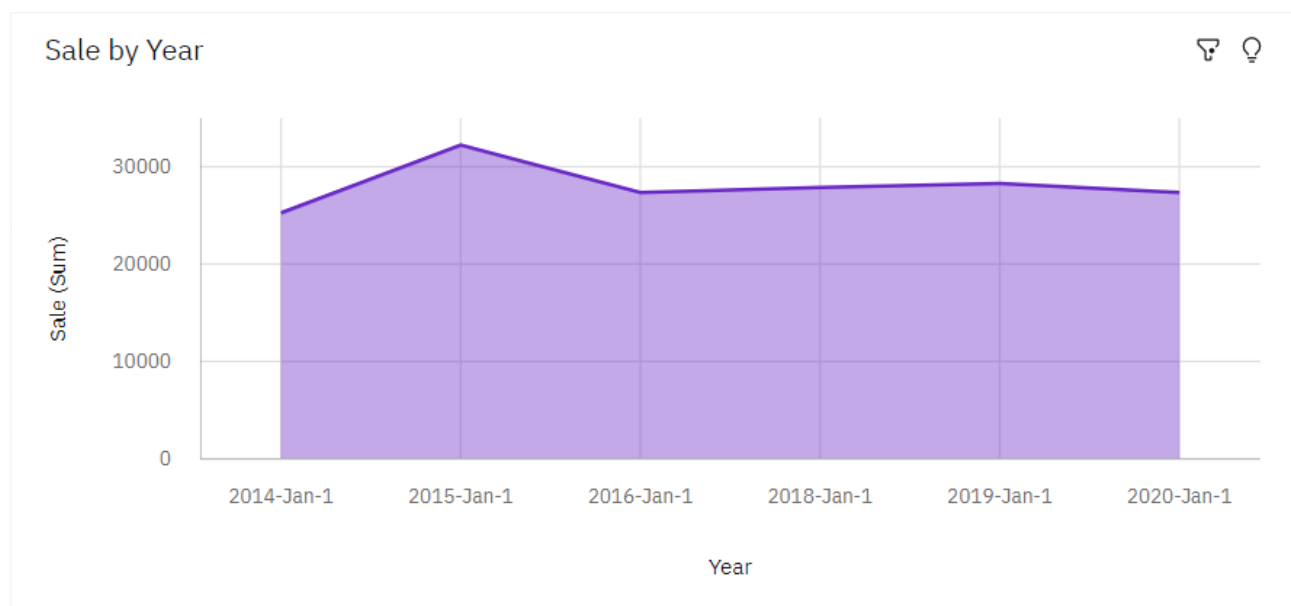
2. Loading the dataset

Tool Used – IBM Cognos Analytics

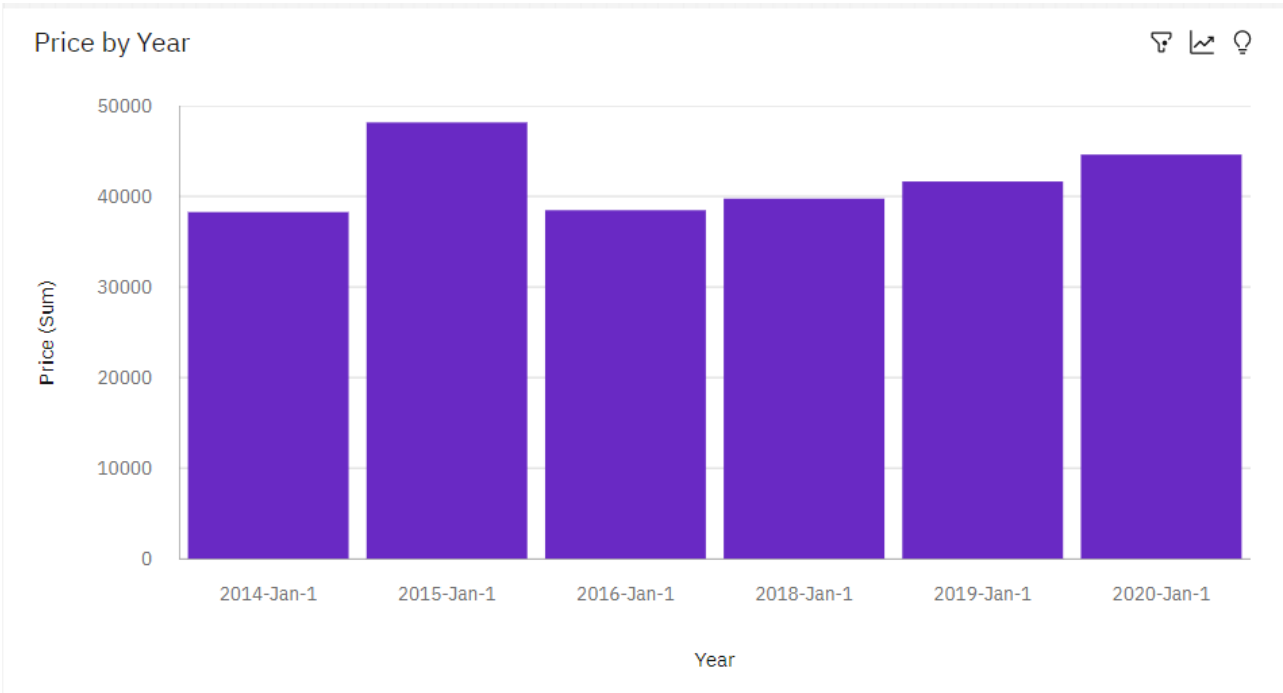


DATA EXPLORATION :

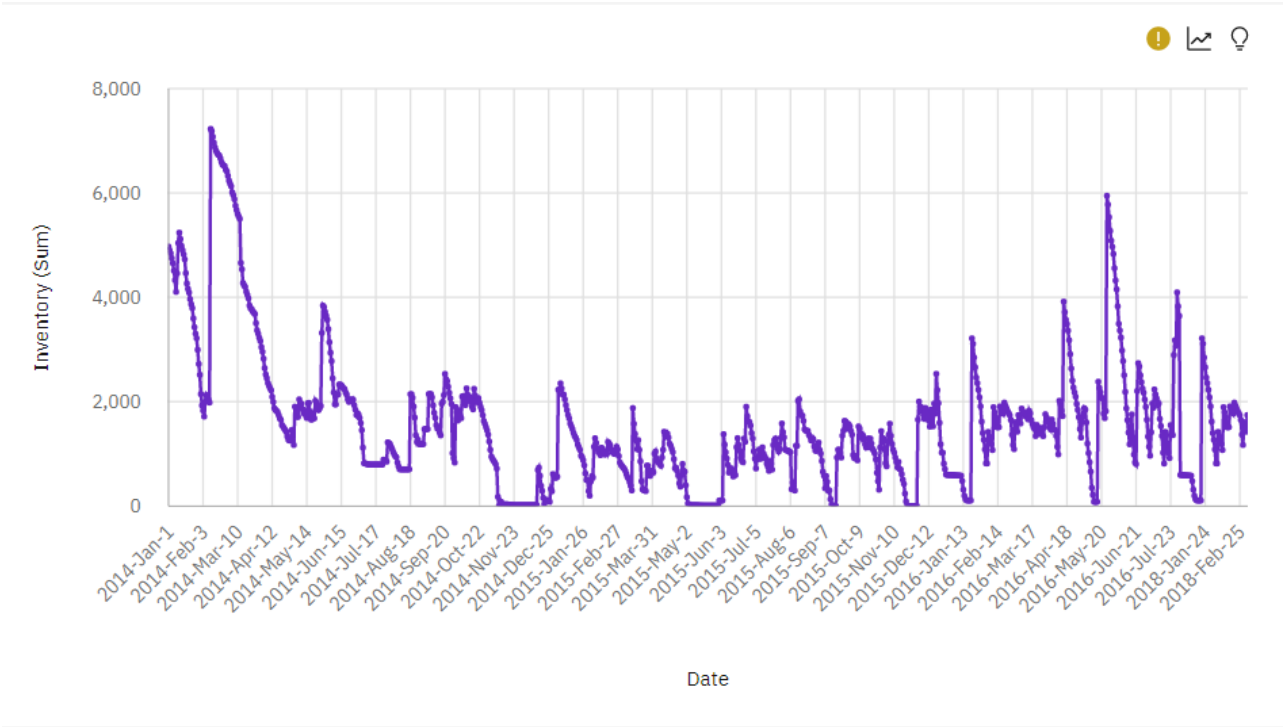
1.Sales By Year



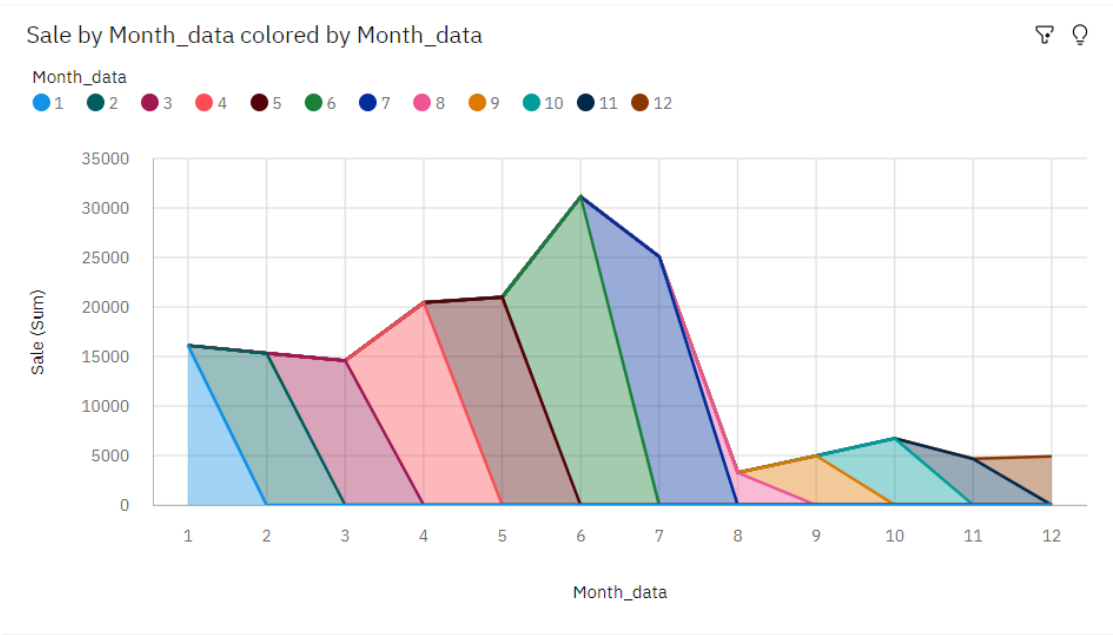
2.Price By Year



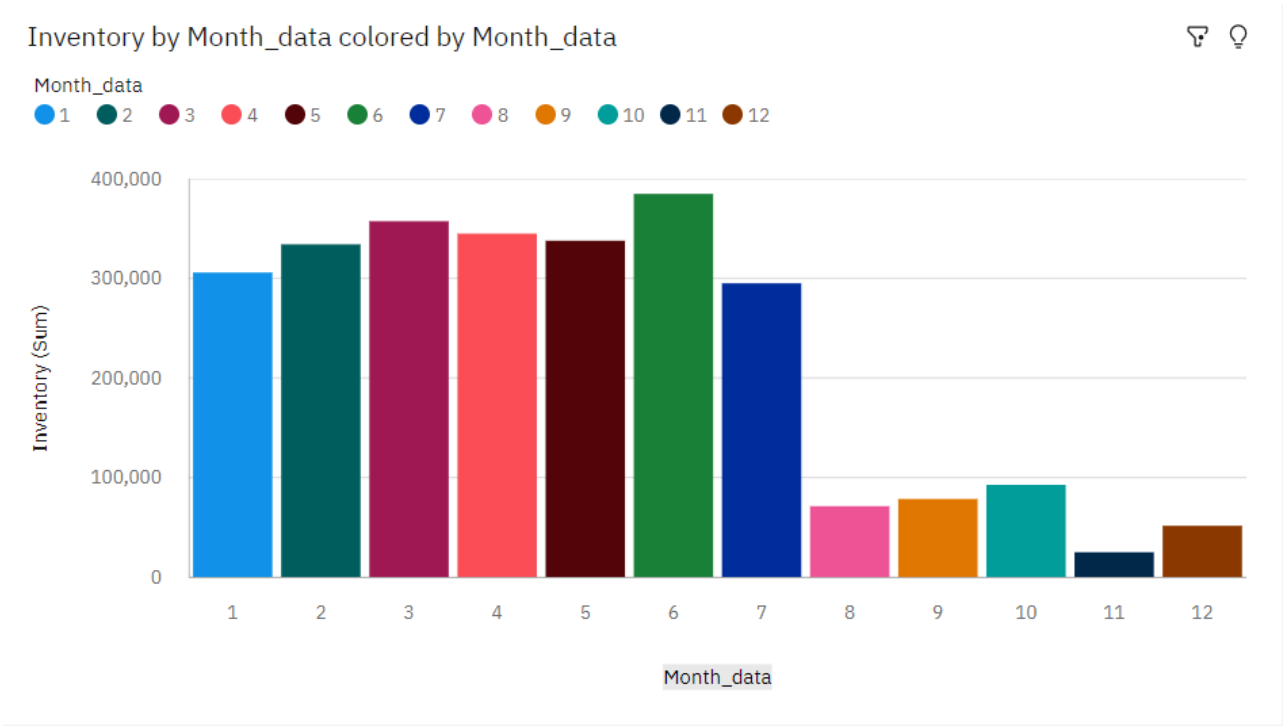
3.Inventory By Date



4. Sales by Month_Data colored by Month_Data:



5. Inventory by Month_Data colored by Month_Data:



Price by Month_data colored by Month_data

Month_data

1 2 3 4 5 6 7 8 9 10 11 12

Month_data

1 2 3 4 5 6 7 8 9 10 11 12

Price (Sum)

Month_data	Price (Sum)
1	22500
2	30000
3	34000
4	32500
5	32000
6	30500
7	31500
8	6500
9	7000
10	7500
11	9000
12	8500

Sale

Sale

Nodes

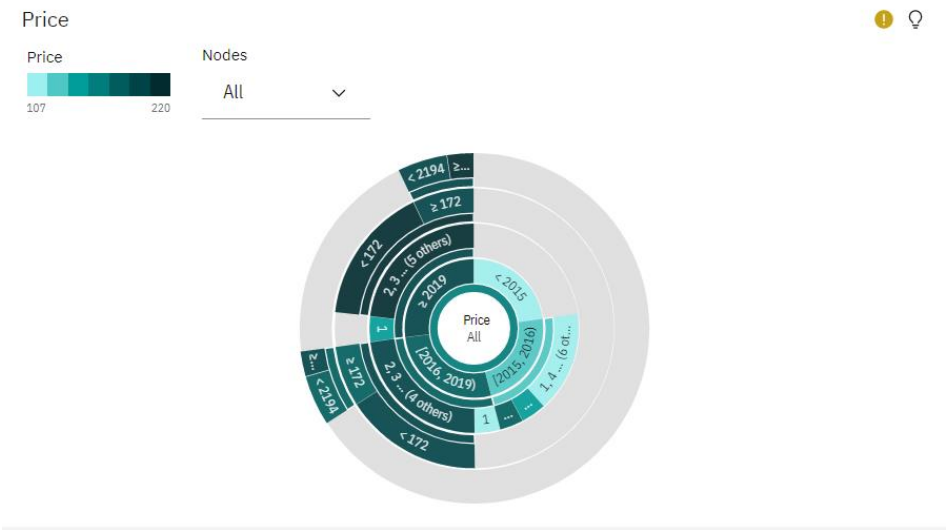
Top 5

Inventory

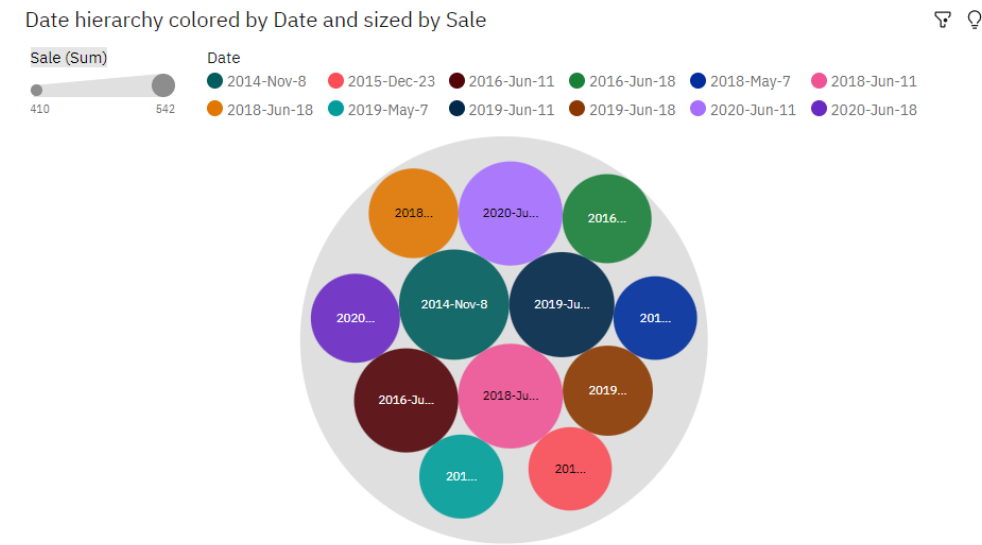
2.68M

Inventory

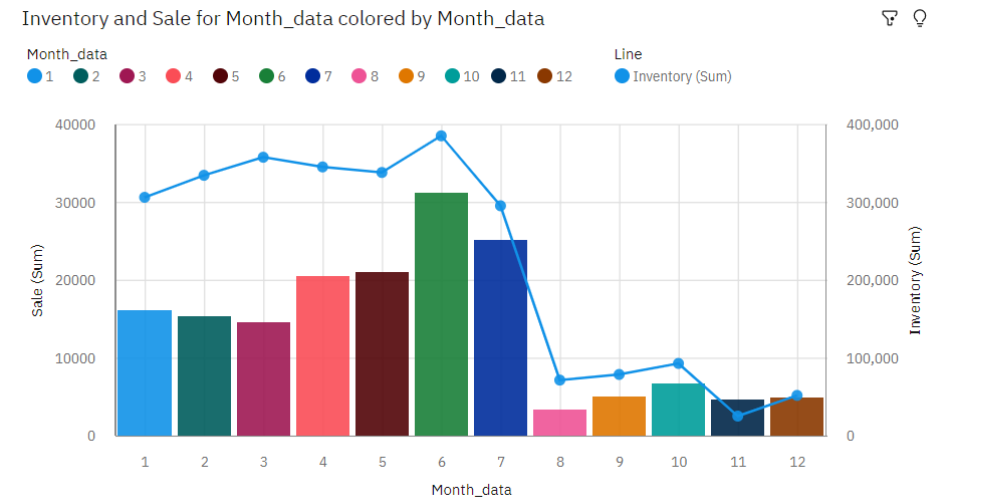
9. Price Sunburst :



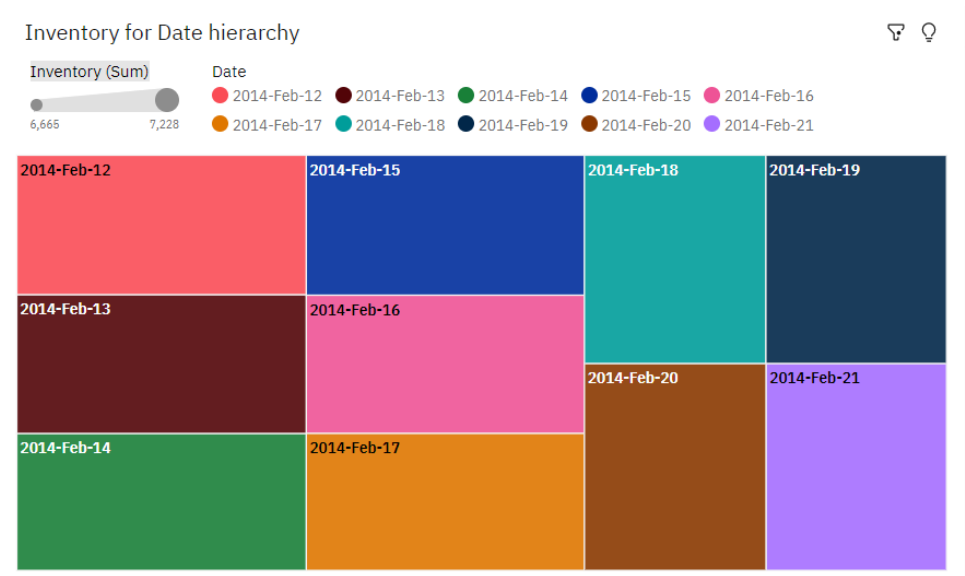
10. Date hierarchy colored by Date and sized by top 10 Sales:



11. Inventory and Sales for Month_Data colored by Month_Data:



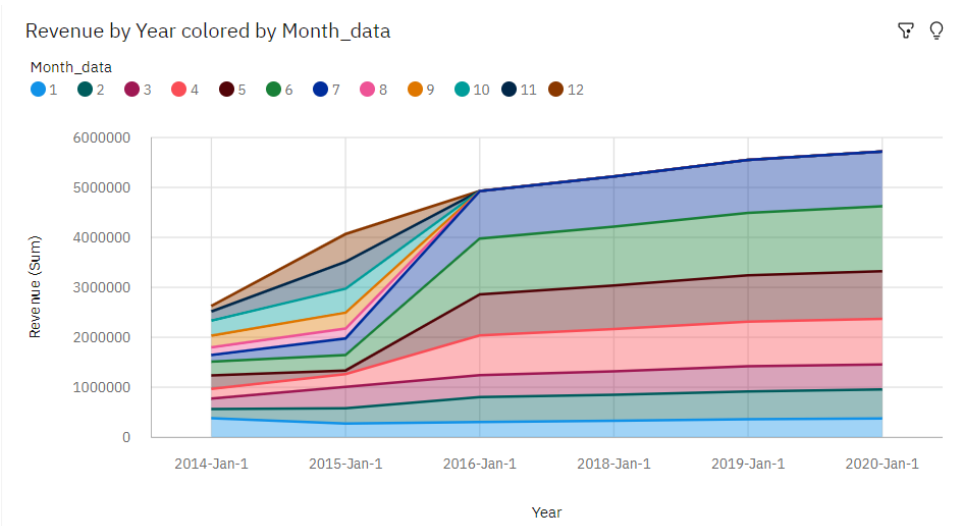
12. Top 10 Inventory for Date hierarchy:



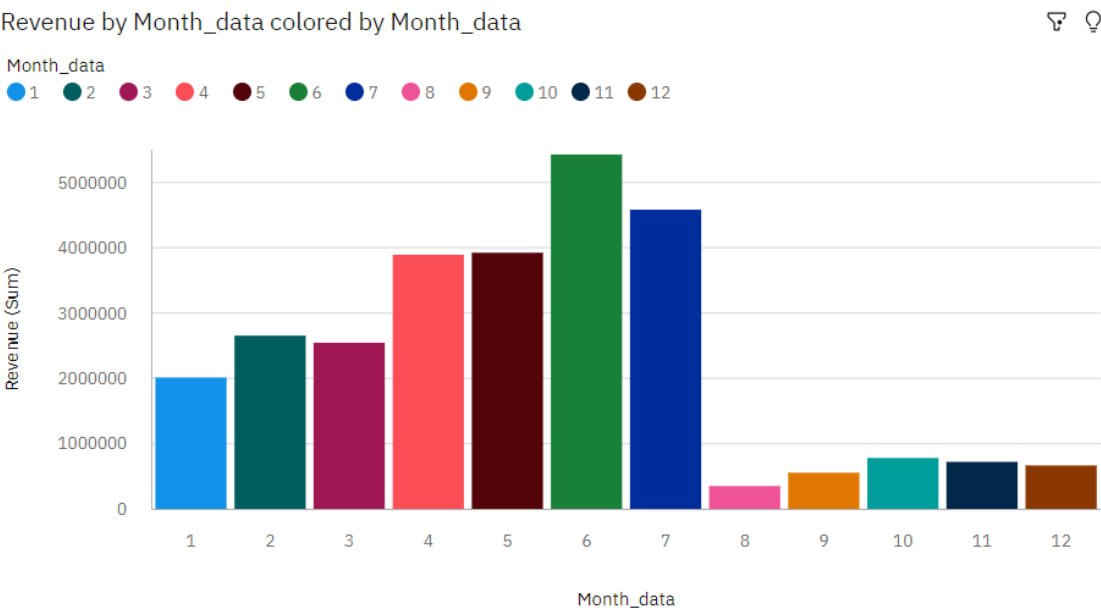
13. Wordcloud for Date sized by Sales:



14. Revenue by Year Colored by Month_Data :



15. Revenue by Month_Data colored by Month_Data:



FILE SOURCE :

https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FDashboard&action=view&mode=dashboard