

## Project Development Phase

### Delivery of Sprint-2

Team ID	PNT2022TMID09234
Project Title	Retail Store Stock Inventory Analytics

#### Project Development Phase:

SPRINT-1	<ul style="list-style-type: none"><li>• Data Collection</li><li>• Data Preparation</li></ul>
SPRINT-2	<ul style="list-style-type: none"><li>• Data Exploration</li></ul>
SPRINT-3	<ul style="list-style-type: none"><li>• Dashboard Creation</li></ul>
SPRINT-4	<ul style="list-style-type: none"><li>• Report Creation</li><li>• Story Creation</li></ul>

#### Project Contributors:

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#### SPRINT 2

Data Exploration

#### Data Exploration:

- Download and Load the Dataset
- Sales by Year
- Price by Year
- Stock by Year
- Sales by M\_Data colored by M\_Data
- Stock by M\_Data colored by M\_Data
- Price by M\_Data colored by M\_Data
- Sales Sunburst
- Stock Summary
- Price Sunburst
- Year hierarchy colored by Year and sized by top 10 Sales
- Stock and Sales for M\_Data colored by M\_Data
- Top 10 Stock for Year hierarchy

- Word cloud for Year sized by Sales
- Revenue by Year
- Revenue by M\_Data colored by M\_Data

## Data Collection:

### 1. Download the Dataset:

#### Dataset Link:

<https://drive.google.com/file/d/1awFIKJ9LildnNHwGLcsqNDbbwshFHR-w/view>

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	data	venda	estoque	preco																			
2	#####	0	4972	1.29																			
3	#####	70	4902	1.29																			
4	#####	59	4843	1.29																			
5	#####	93	4750	1.29																			
6	#####	96	4654	1.29																			
7	#####	145	4509	1.29																			
8	#####	179	4329	1.29																			
9	#####	321	4104	1.29																			
10	#####	125	4459	1.09																			
11	#####	88	5043	1.09																			
12	#####	188	5239	1.09																			
13	#####	121	5118	1.09																			
14	#####	134	4984	1.09																			
15	#####	80	4904	1.09																			
16	#####	82	4822	1.09																			
17	#####	94	4728	1.19																			
18	#####	159	4464	1.19																			
19	#####	199	4265	1.19																			
20	#####	104	4161	1.19																			
21	#####	70	4091	1.19																			
22	#####	127	3964	1.09																			
23	#####	96	3868	1.09																			
24	#####	75	3793	1.09																			
25	#####	198	3595	1.09																			
26	#####	168	3427	1.09																			
27	#####	125	3302	1.09																			

### 2. Loading the Dataset:

Content

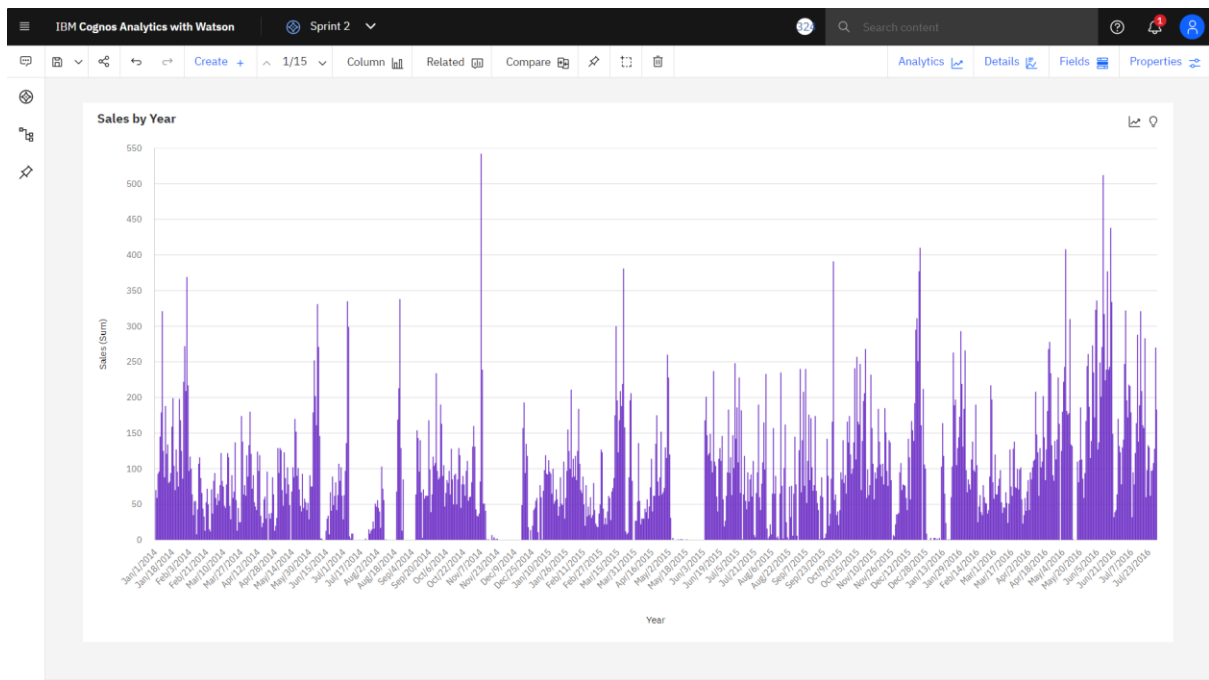
mock\_kaggle.csv was uploaded successfully. [Hide Details](#) [Now](#)

My content Team content Samples

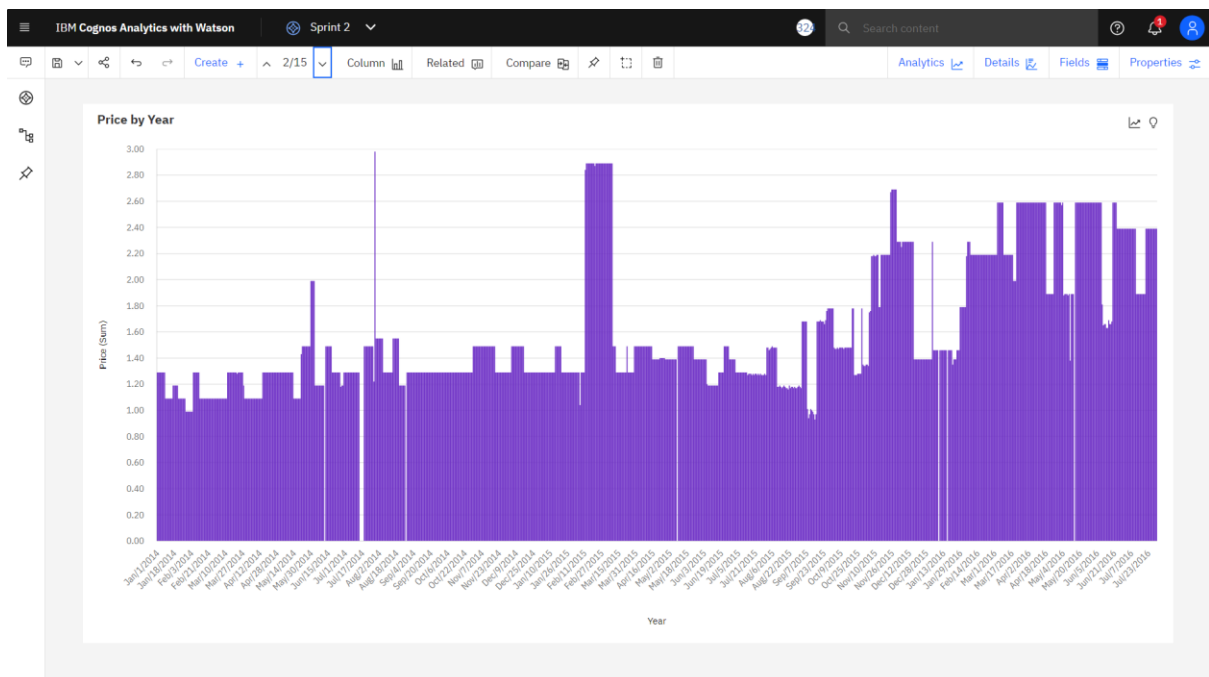
Content Item	Last Accessed	Icon
50_Startups.csv	10/4/2022, 9:51 AM	CSV
abalone.csv	10/27/2022, 6:51 AM	CSV
Assignment 1	10/4/2022, 10:22 AM	
Assignment 2	10/5/2022, 8:20 AM	
Assignment-2	10/5/2022, 8:50 AM	
mock_kaggle.csv	11/3/2022, 11:11 PM	CSV
Pharma_Monthly_Sales.csv	10/5/2022, 7:43 AM	CSV
salesmonthly.csv	11/3/2022, 2:53 AM	CSV

### 3. Data Exploration:

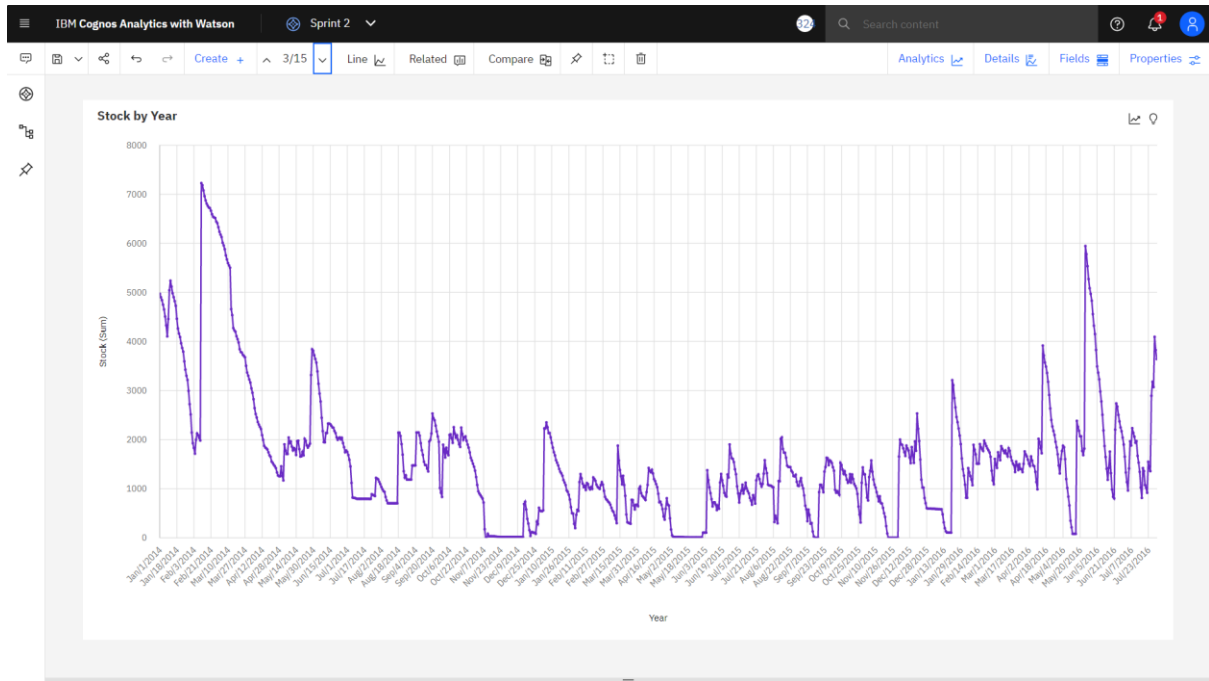
- Sales by Year



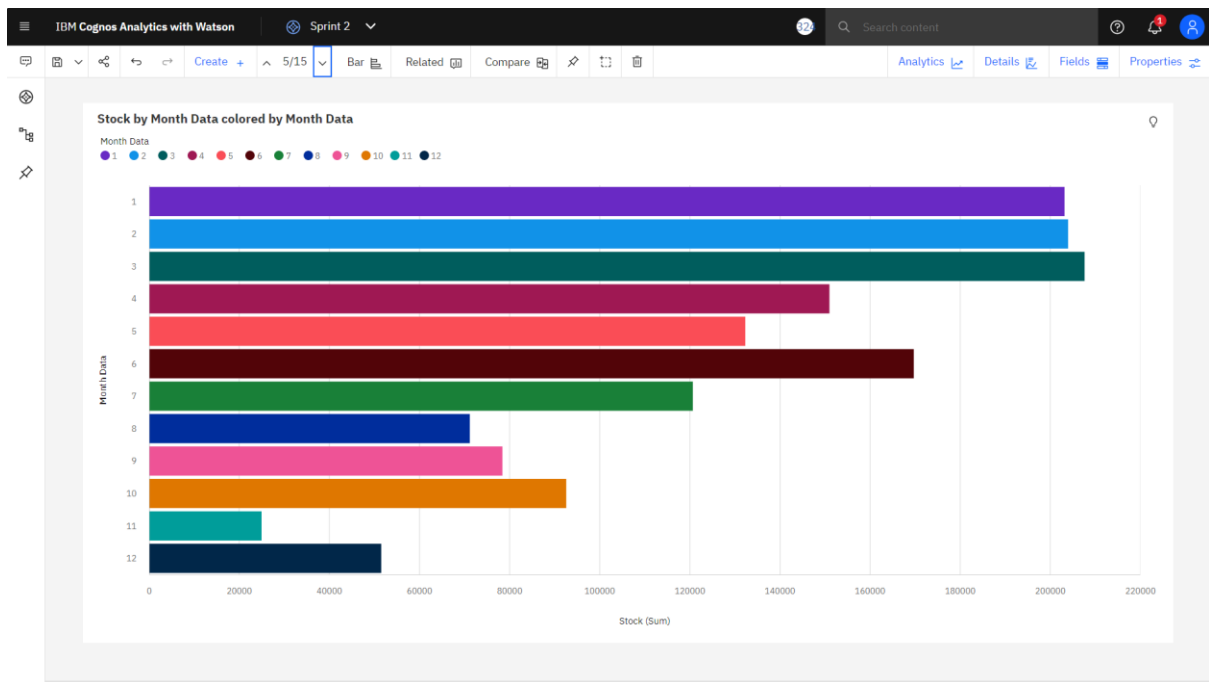
- Price by Year



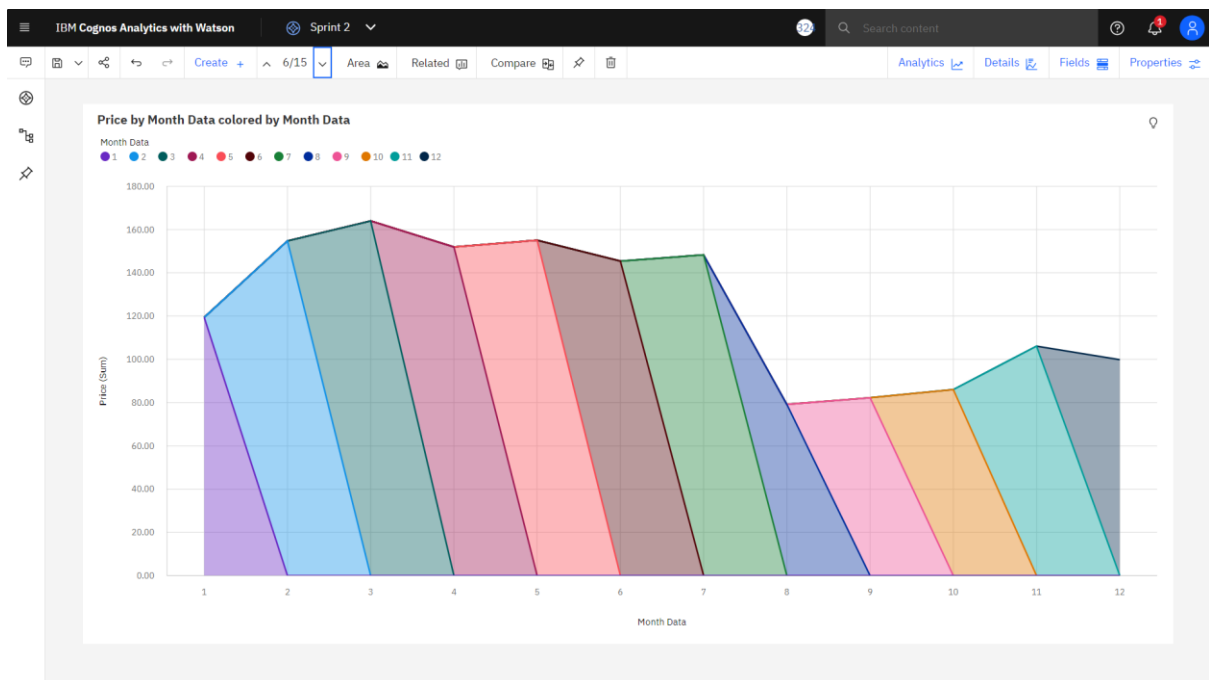
- **Stock by Year**



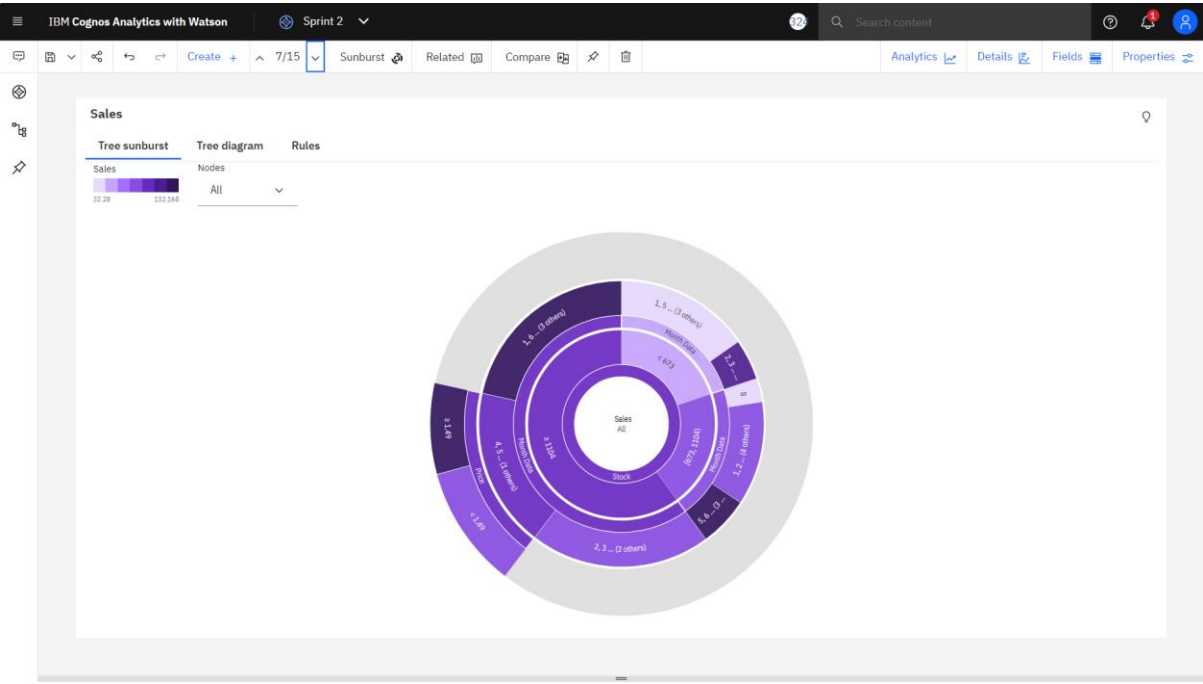
- Stock by M\_Data colored by M\_Data



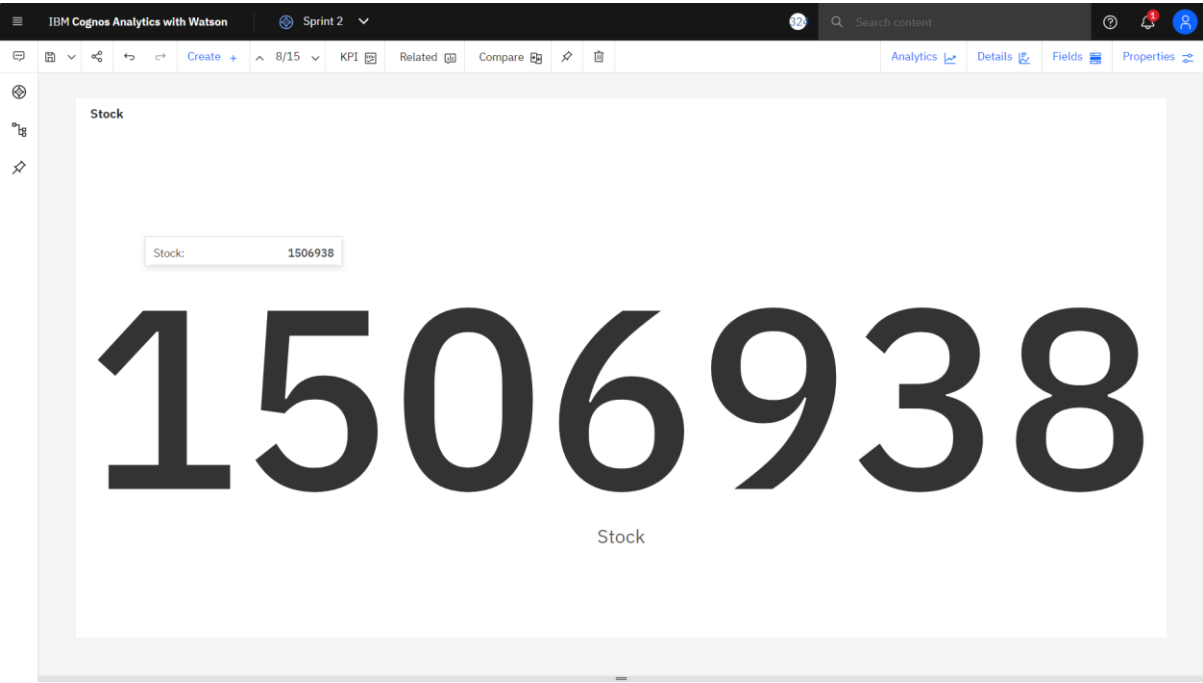
- Price by M\_Data colored by M\_Data



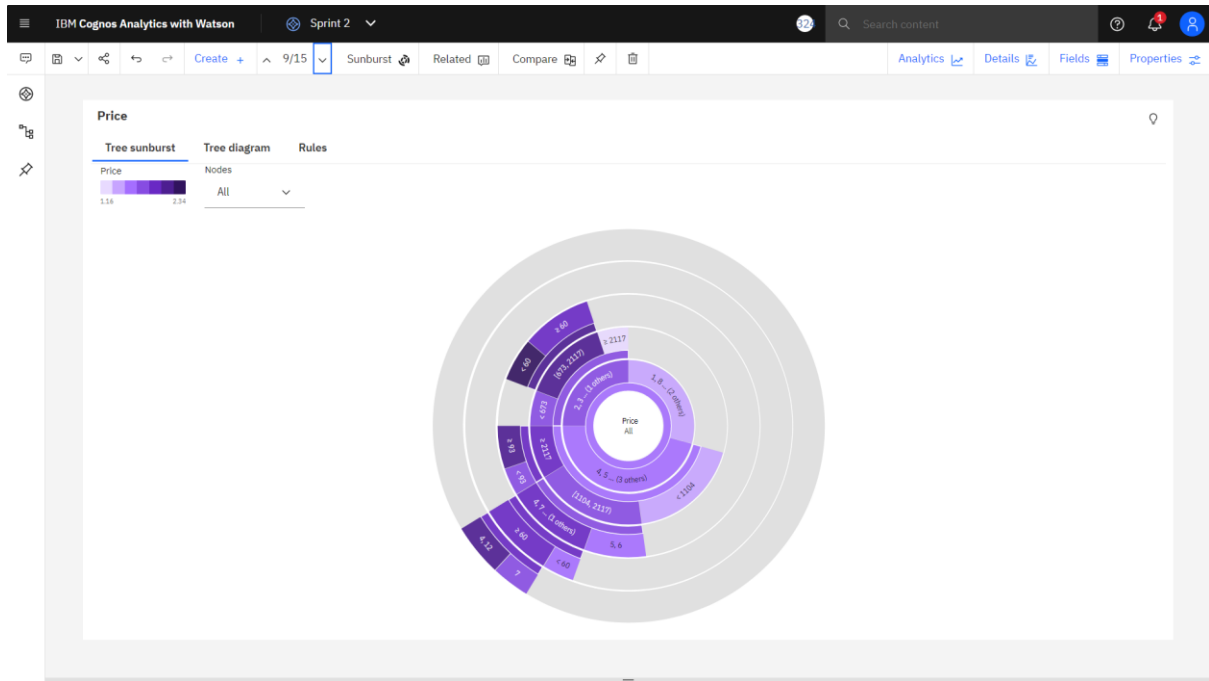
- Sales Sunburst



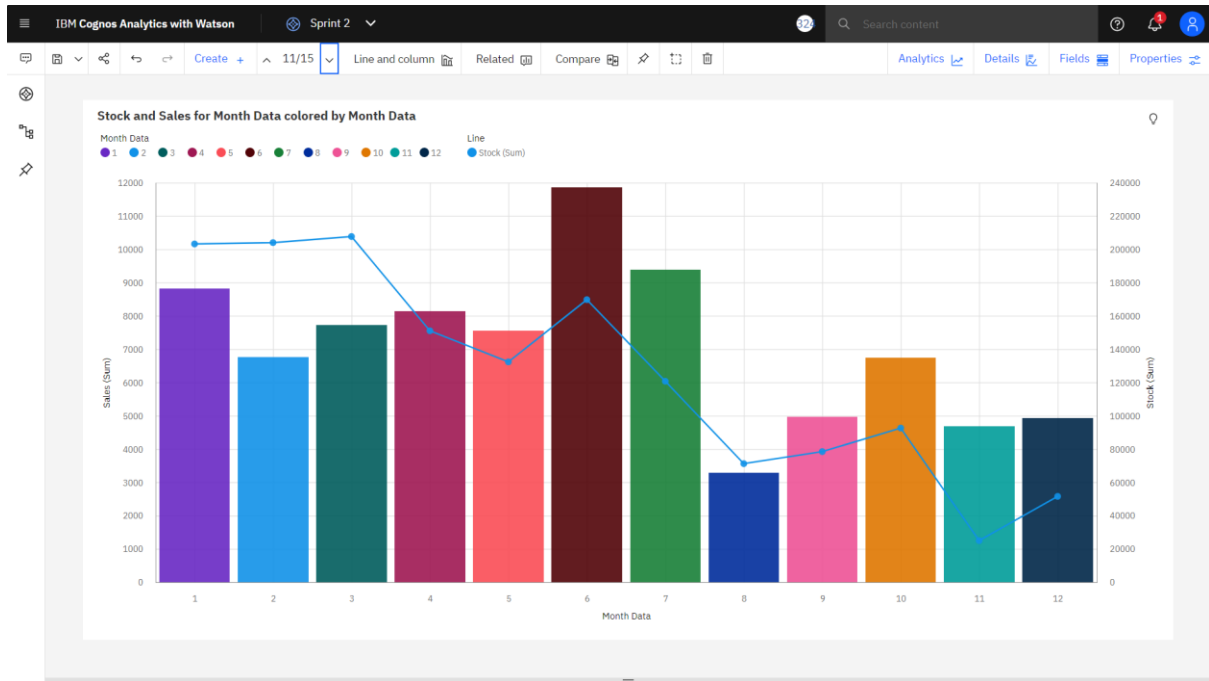
- Stock Summary



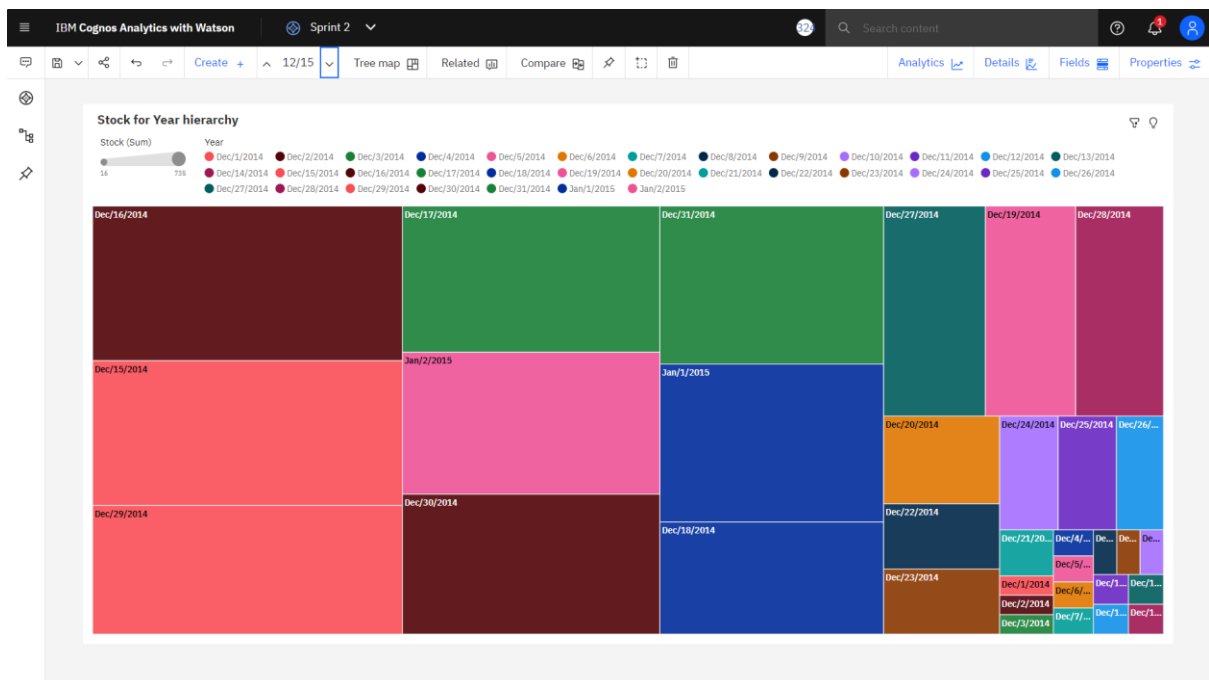
- Price Sunburst



- Stock and Sales for M\_Data colored by M\_Data

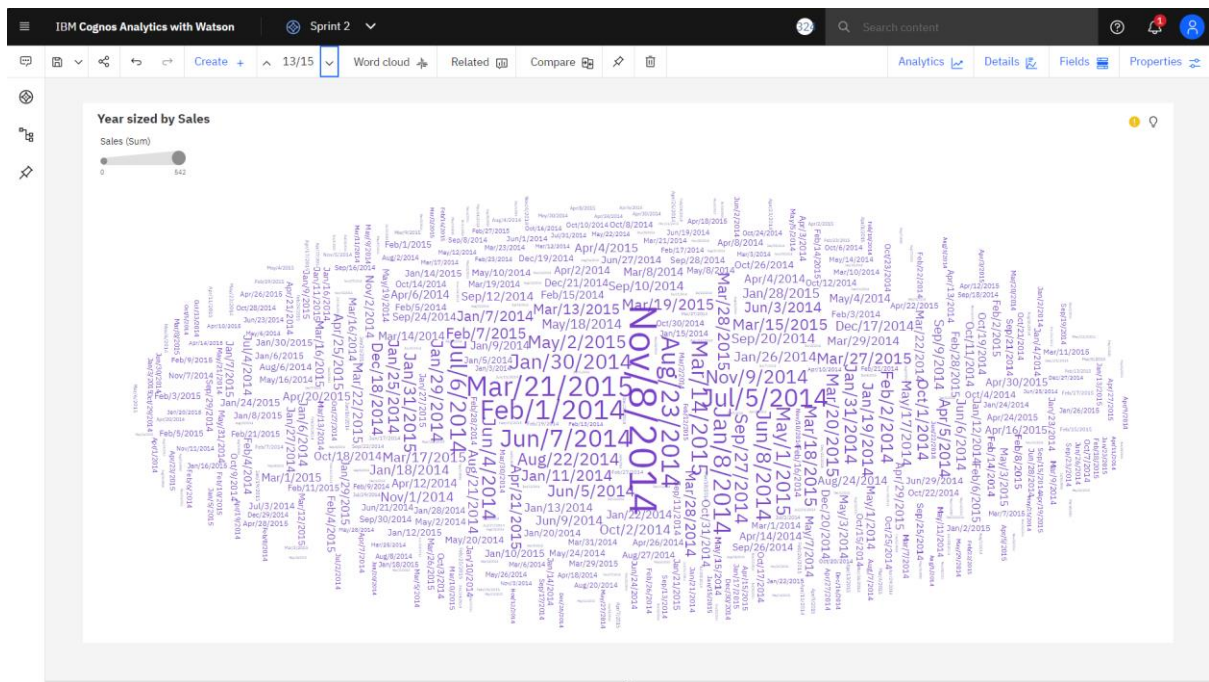


- Top 10 Stock for Year hierarchy

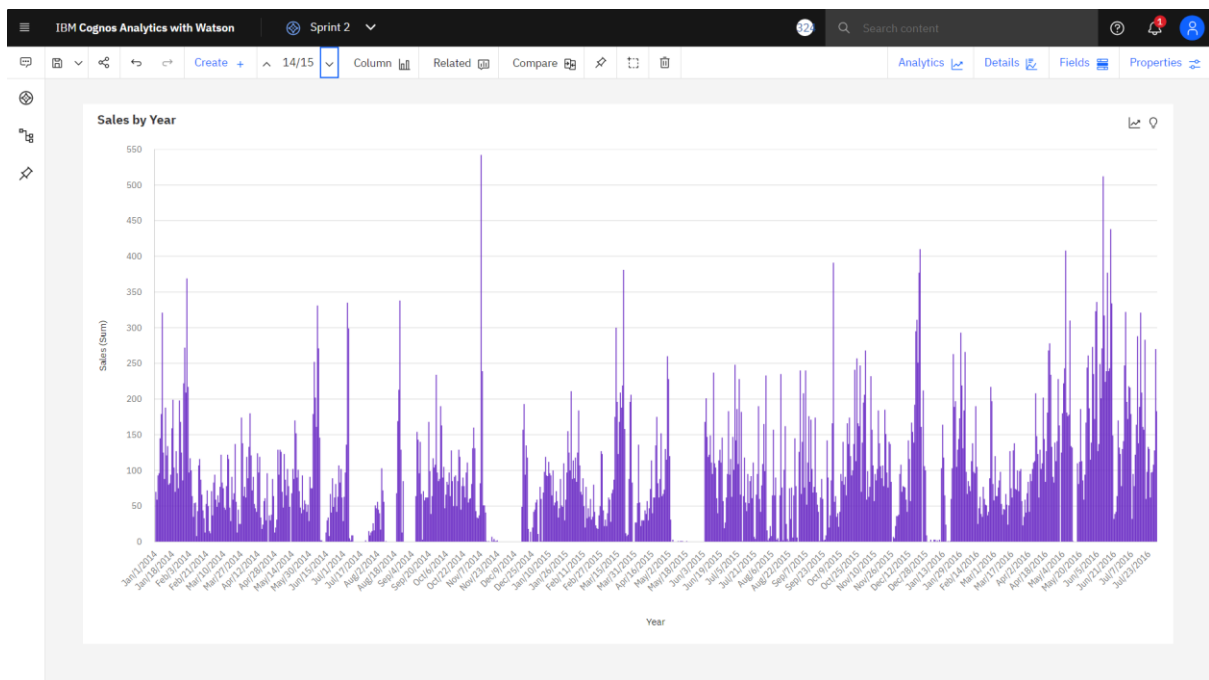




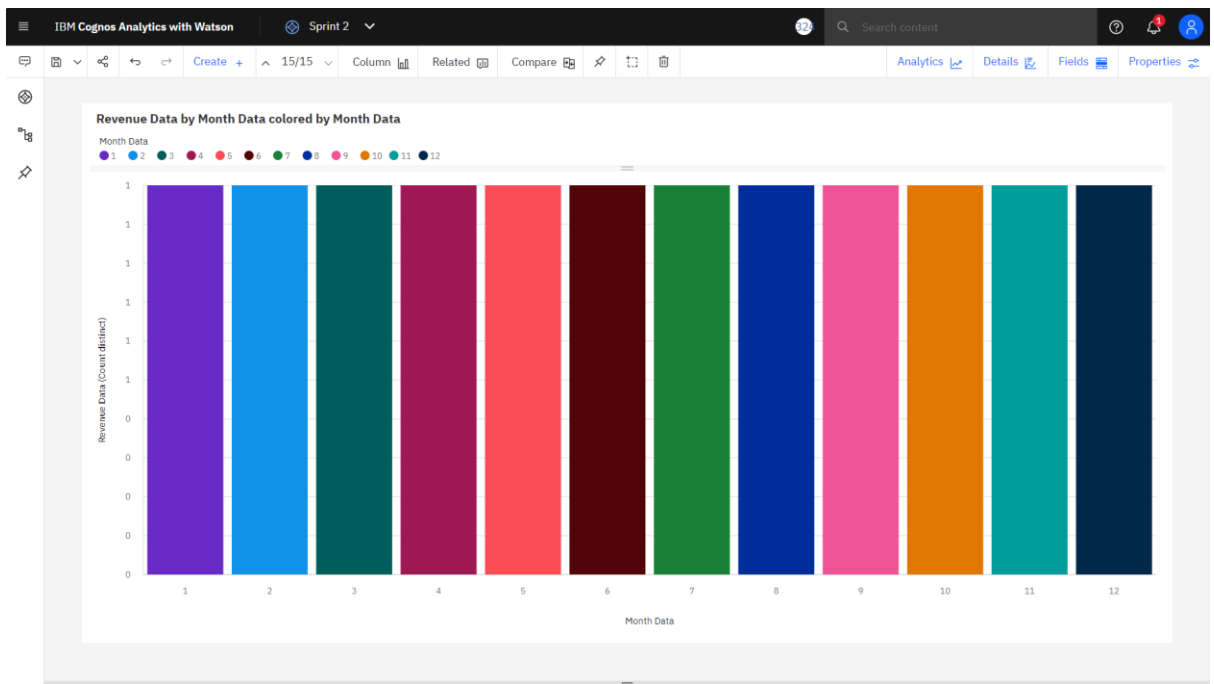
- Word cloud for Year sized by Sales



- Sales by Year



- Revenue by M\_Data colored by M\_Data



**Cognos Link:**

[https://us1.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my\\_folder\\_s%2FSprint%2B2&subView=model000001846c49bfab\\_00000003](https://us1.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folder_s%2FSprint%2B2&subView=model000001846c49bfab_00000003)