

Project Development Phase Delivery of Sprint-2

Team ID	PNT2022TMID18485
Project Title	Retail Store Stock Inventory Analytics

Project Development Phase:

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

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/1awFIKJ9LiIdnNHwGLcsqNDbbwshFHR-w/view>

The screenshot shows an Excel spreadsheet with the following data:

	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																			
28	#####	86	3216	1.09																			
29	#####	222	2994	0.99																			

2. Loading the Dataset:

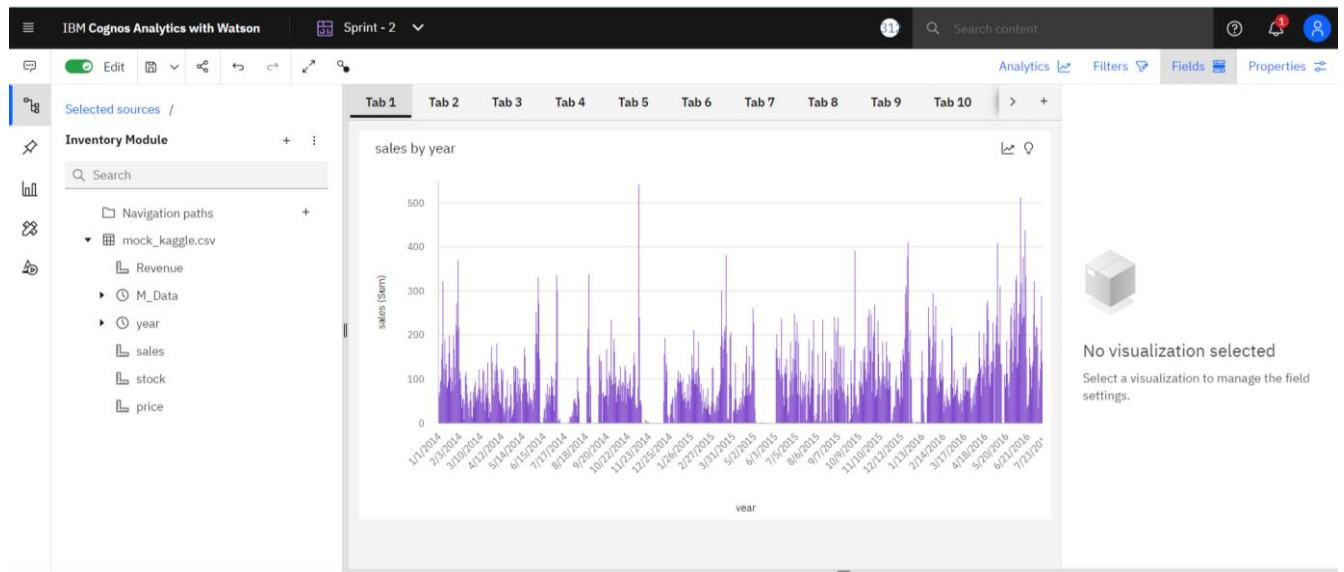
The screenshot shows the IBM Cognos Analytics with Watson interface. The top navigation bar includes 'IBM Cognos Analytics with Watson', '3 items open', a search bar, and user profile. The main content area has four cards: 'Upload data', 'Prepare data', 'Exploration', and 'Present data'. Below these is a 'Recent' section showing a list of data sources:

Item	Last Accessed	Format
Sprint - 2	11/18/2022, 4:29 AM	CSV
Inventory Module	11/18/2022, 4:07 AM	CSV
mock_kaggle.csv	11/18/2022, 3:51 AM	CSV
mock_kaggles.csv	11/18/2022, 2:59 AM	CSV

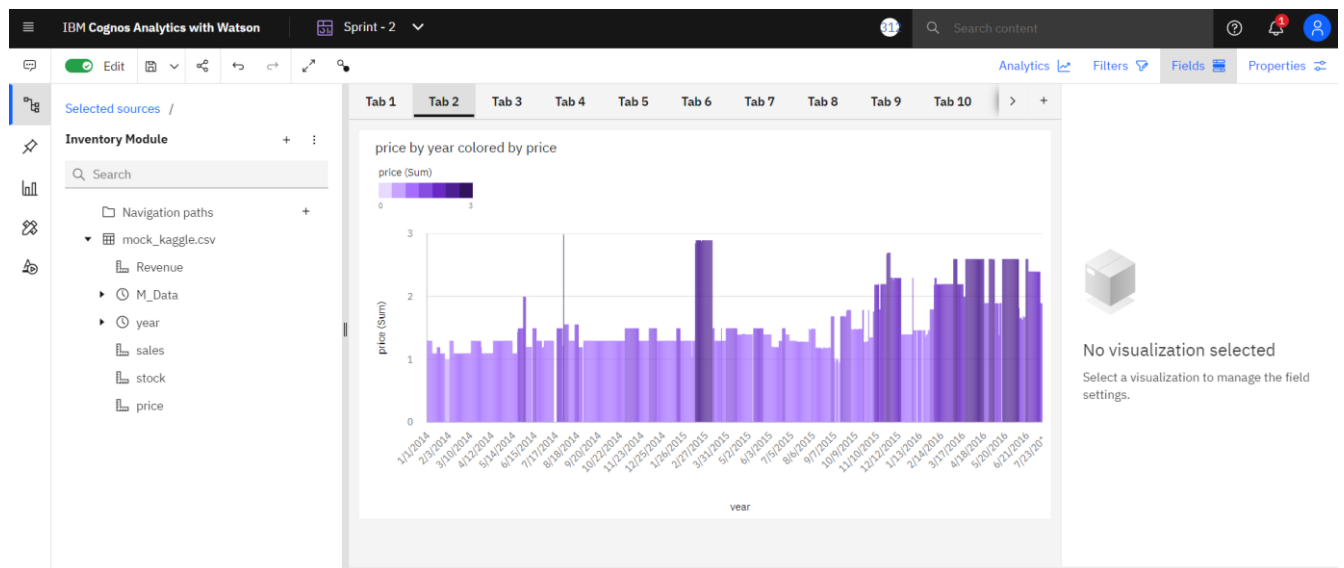
At the bottom, there is a file 'Inventory Manage...zip' and a 'Show all' button.

3. Data Exploration:

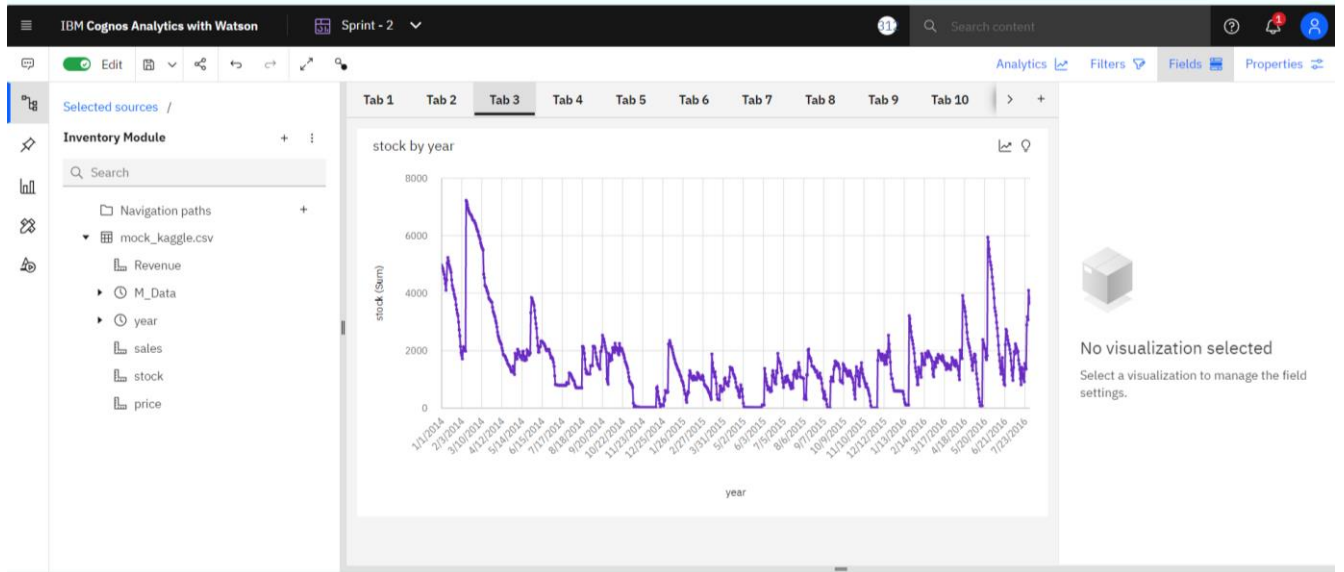
- Sales by Year



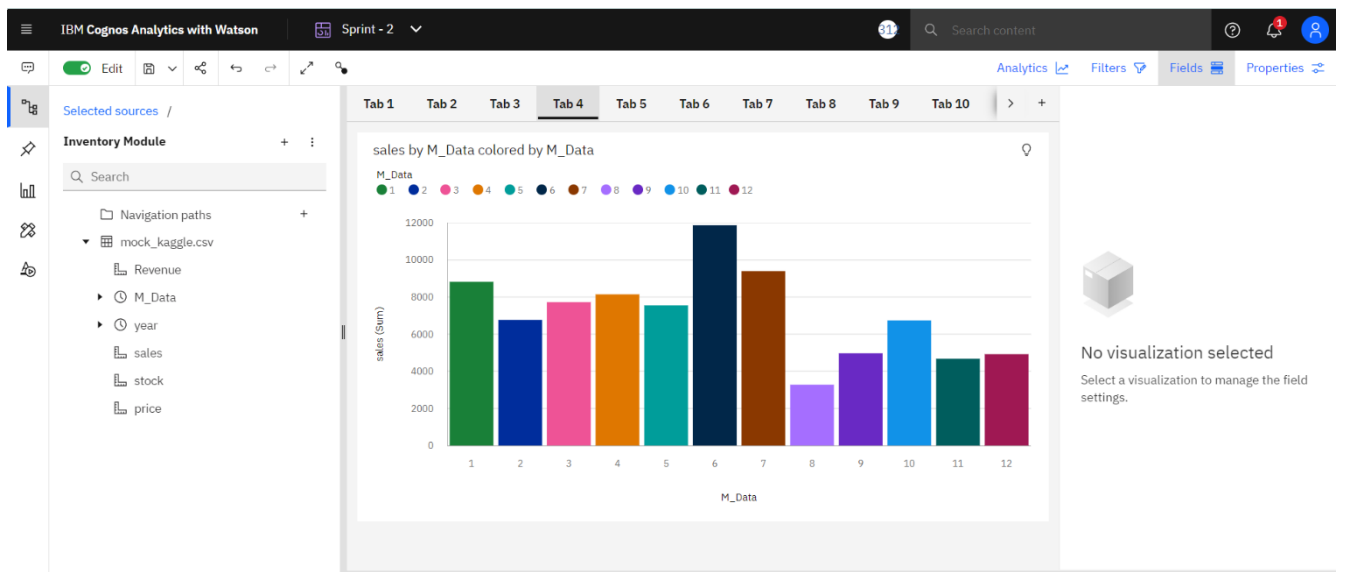
- Price by Year



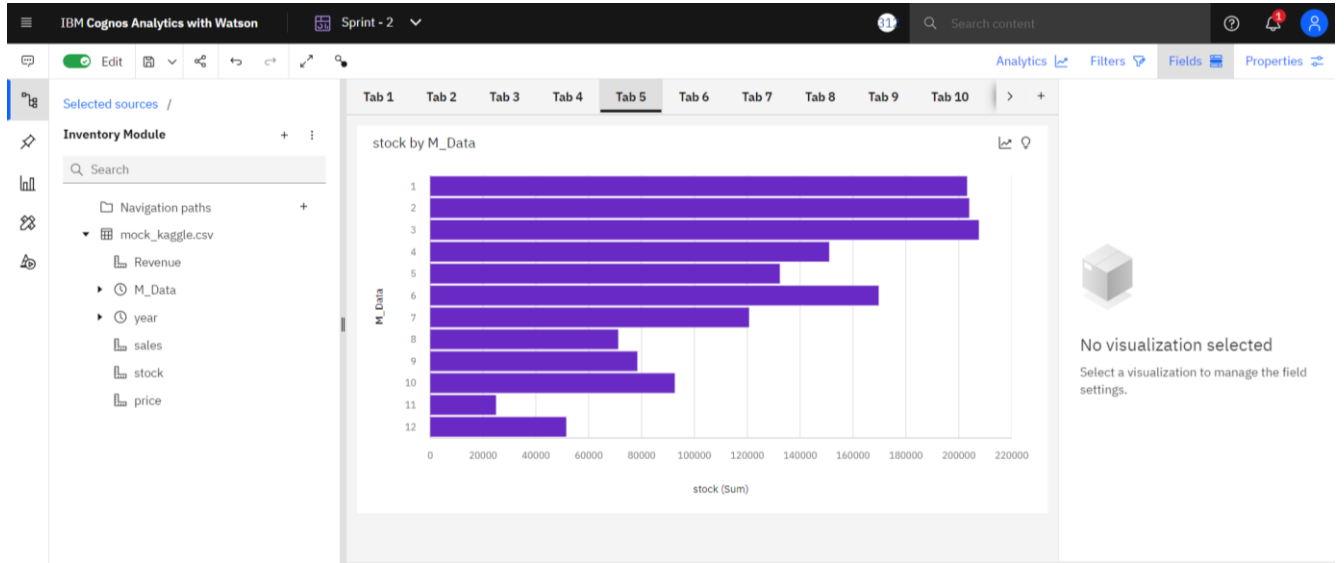
- **Stock by Year**



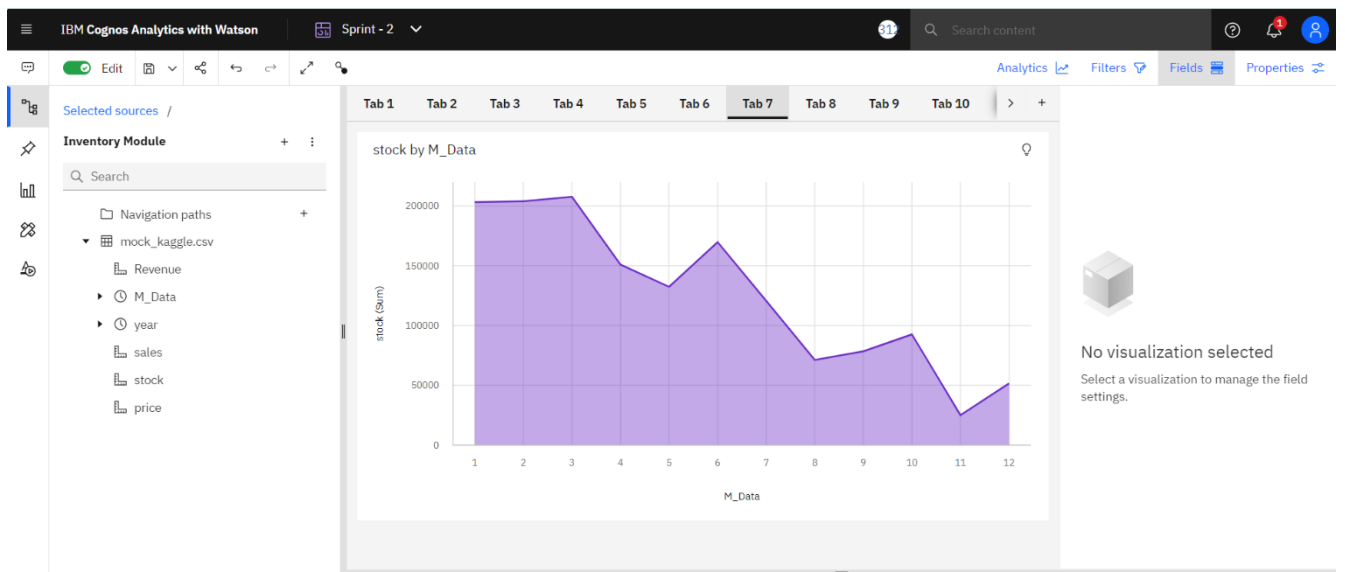
- **Sales by M_Data colored by M_Data**



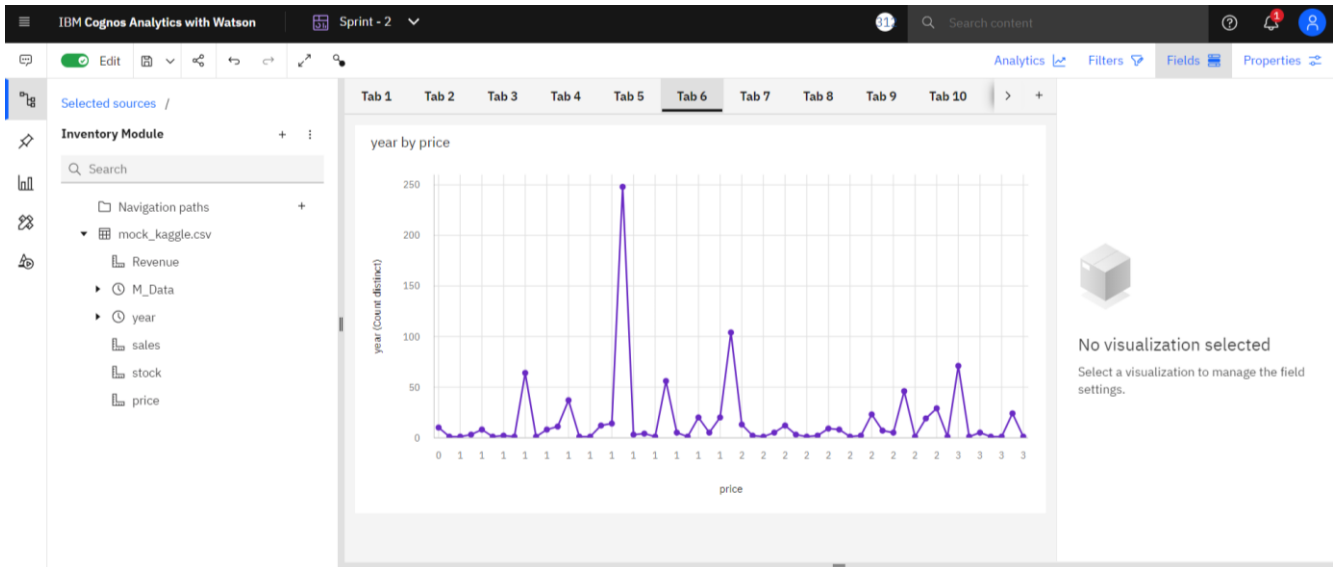
- **Stock by M_Data colored by M_Data**



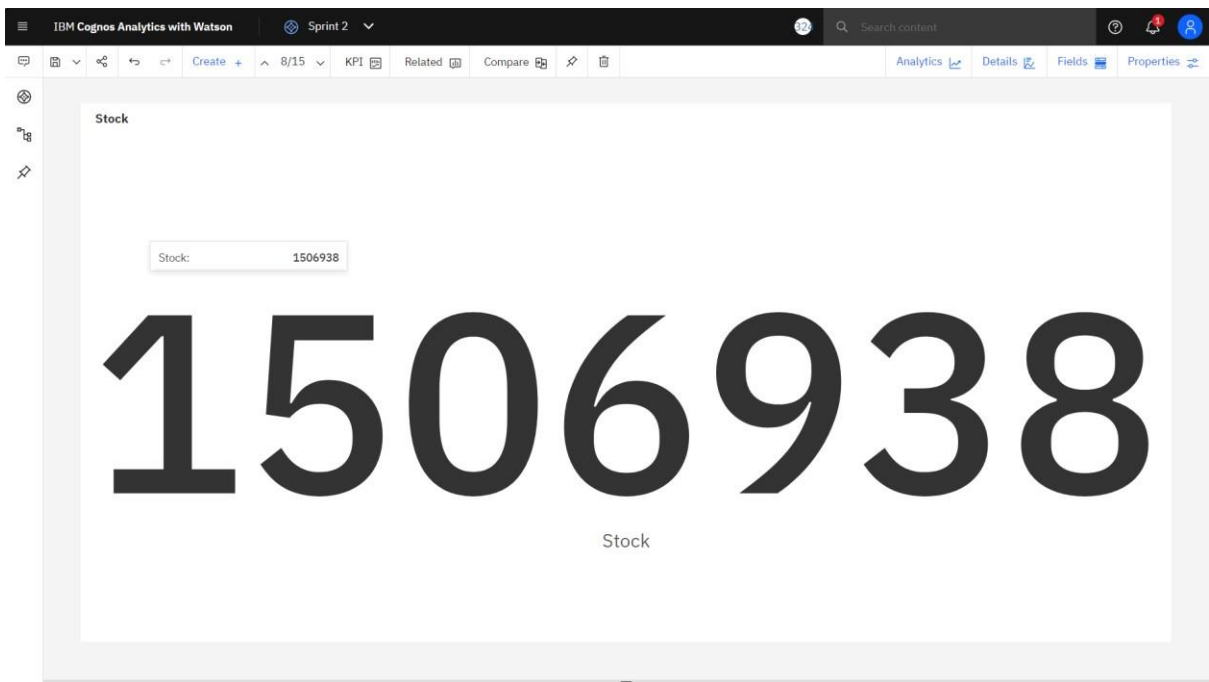
- **Price by M_Data colored by M_Data**



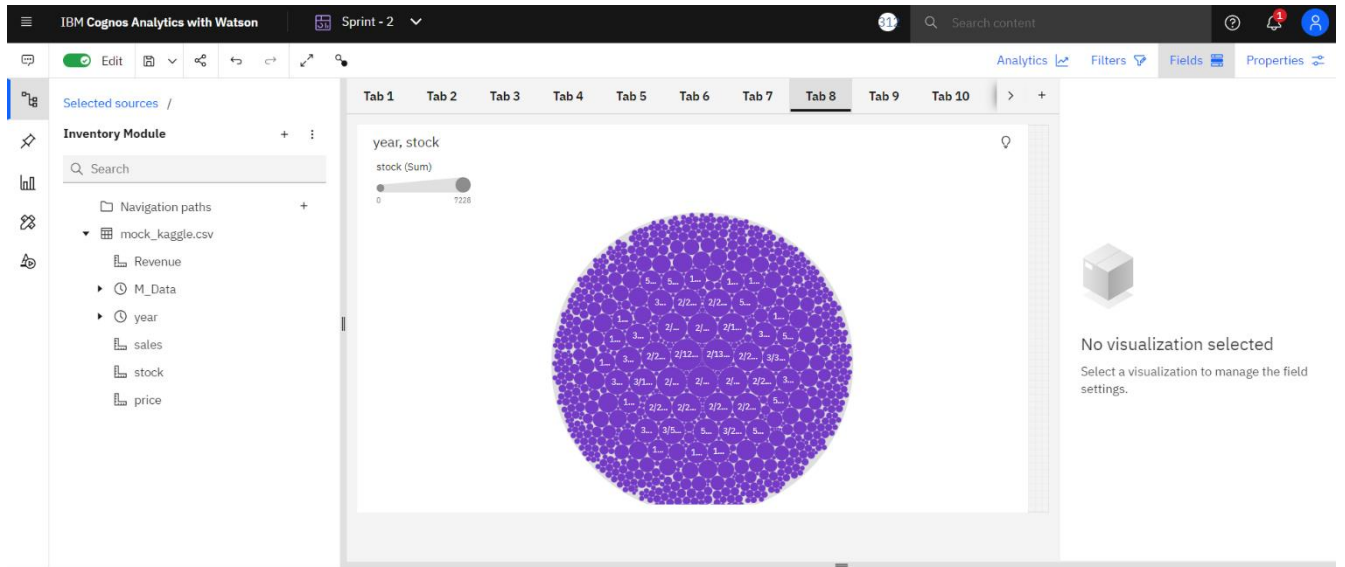
- Sales Sunburst



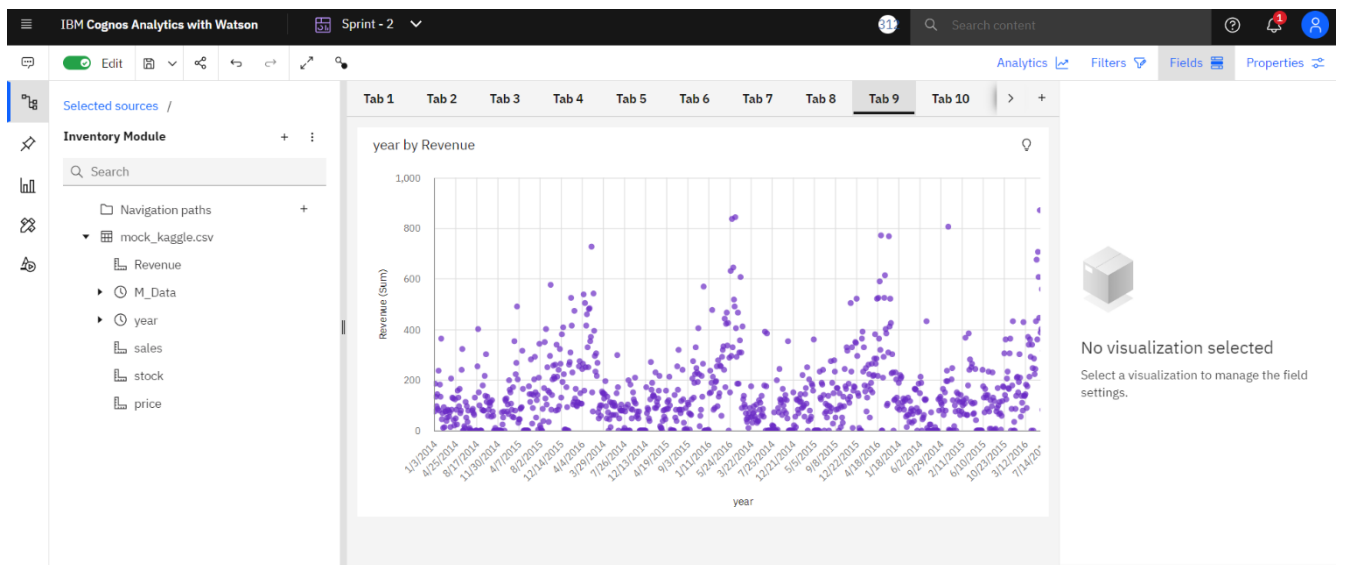
- Stock Summary



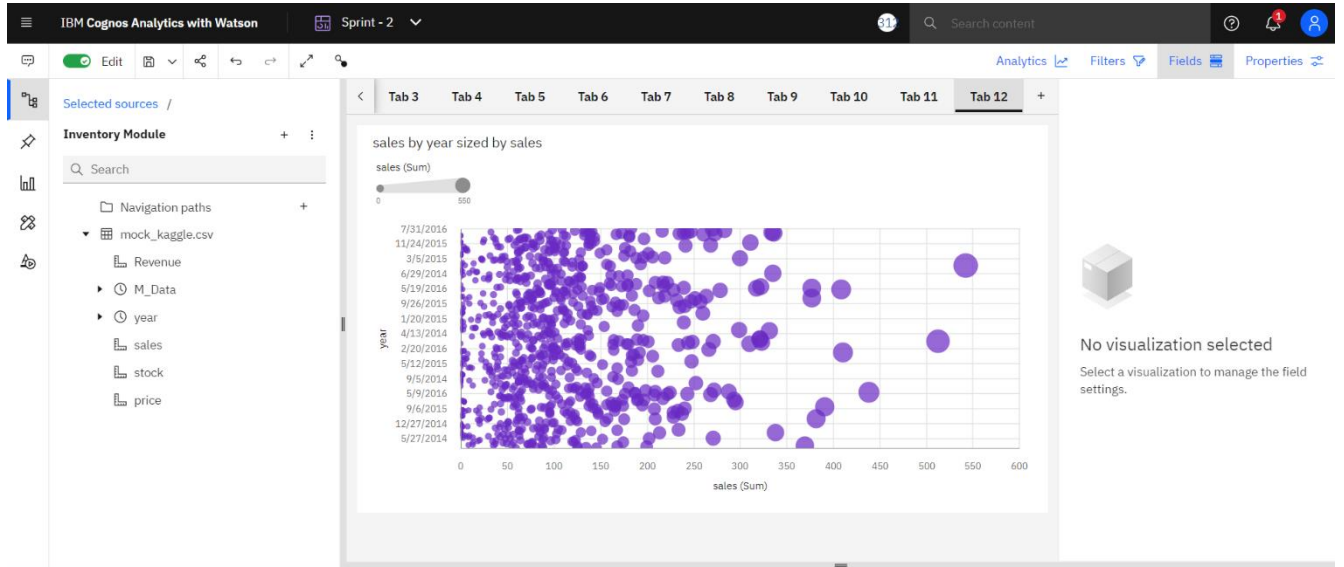
- Price Sunburst



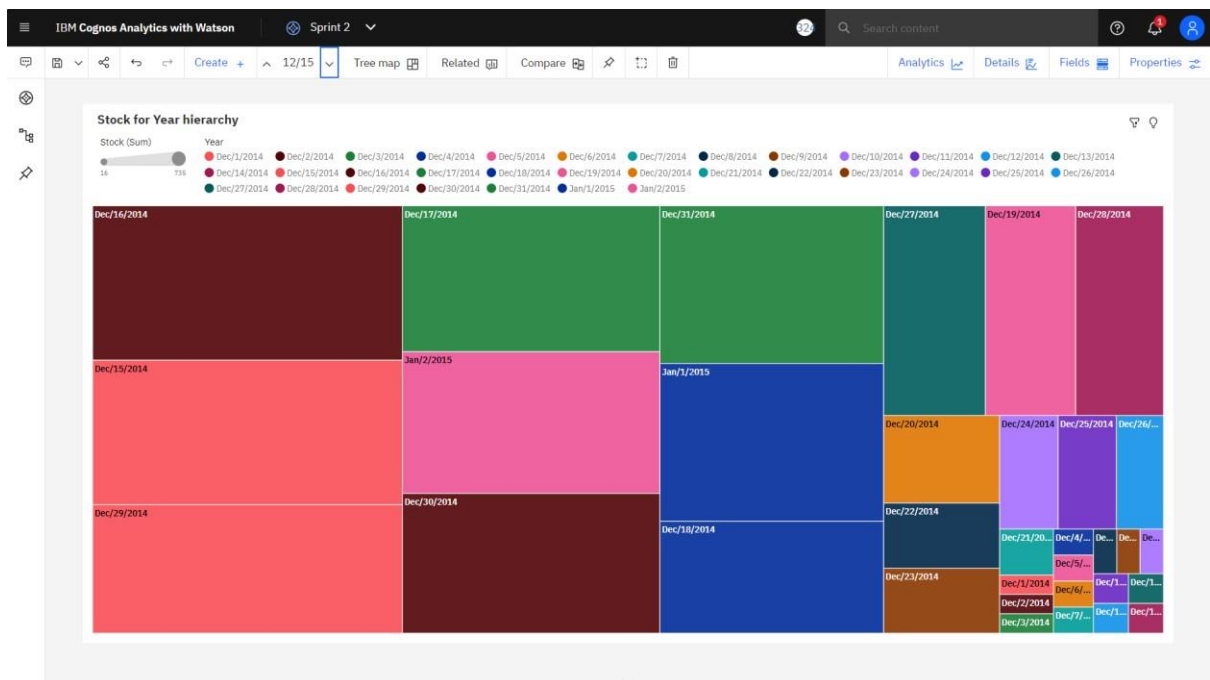
- Year hierarchy colored by Year and sized by top 10 Sales



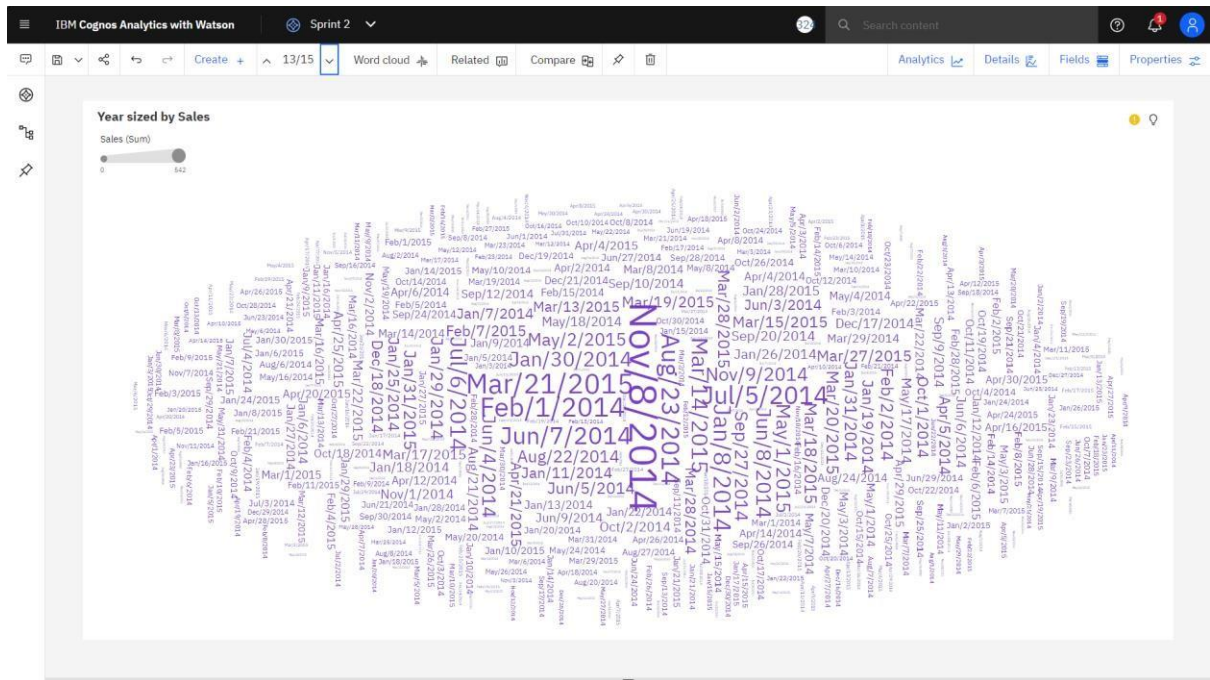
- **Stock and Sales for M_Data colored by M_Data**



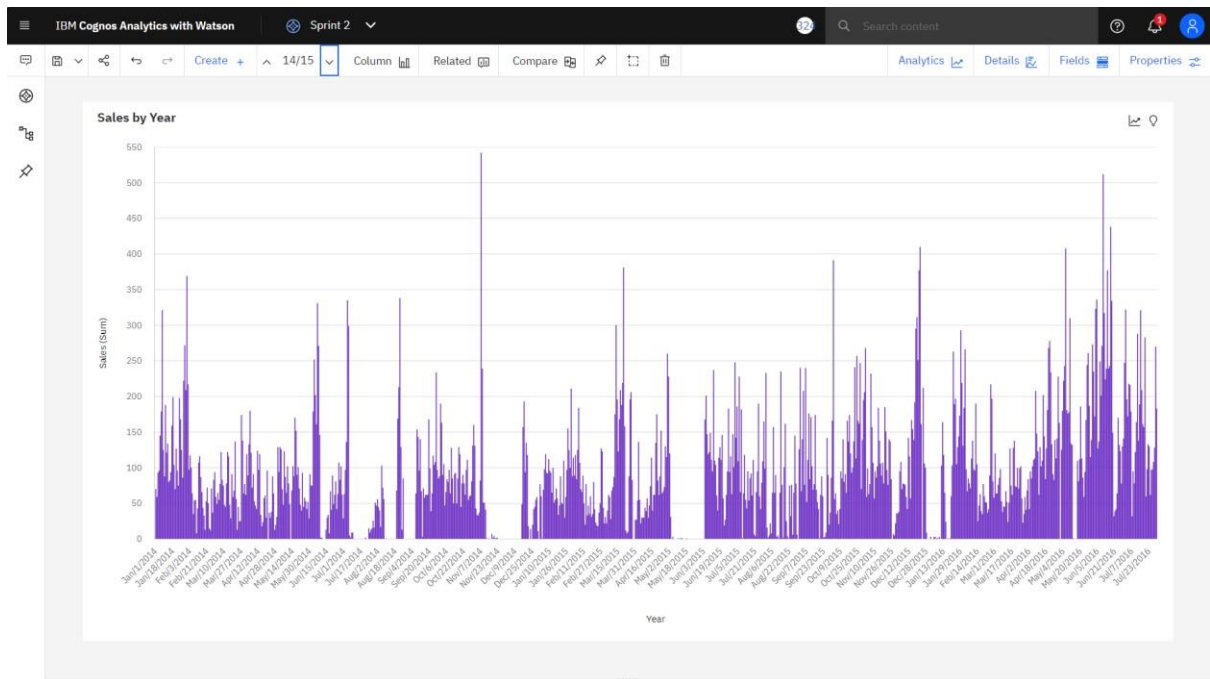
- **Top 10 Stock for Year hierarchy**



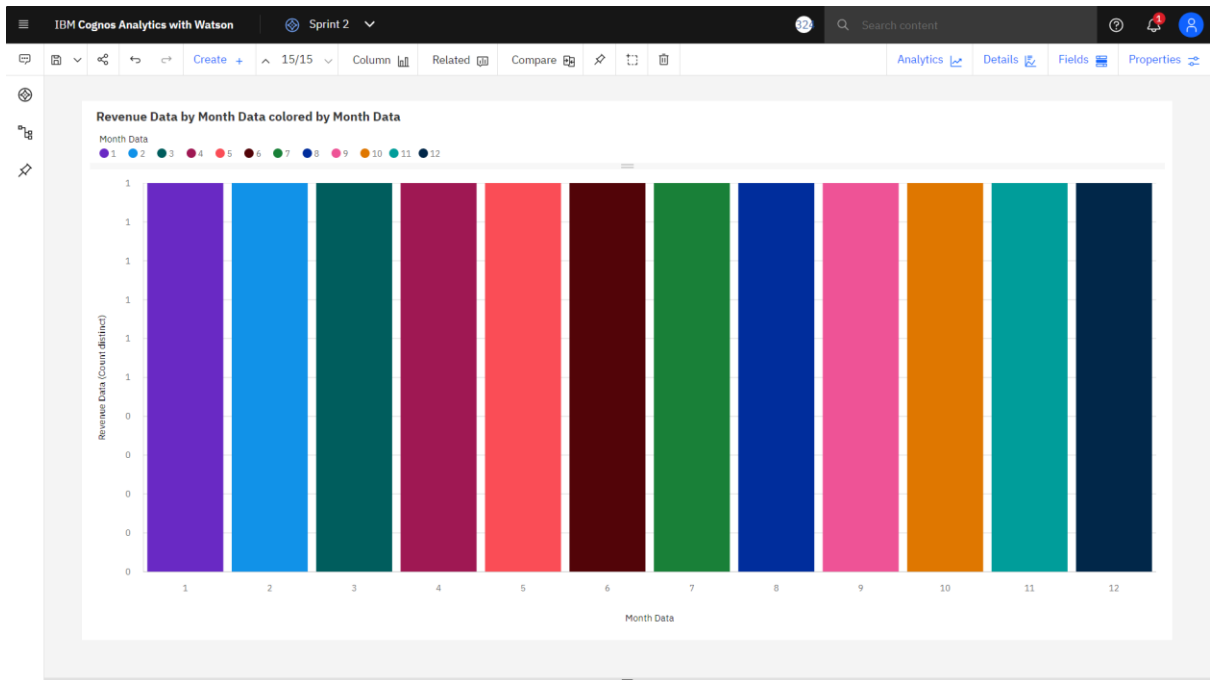
- Word cloud for Year sized by Sales



- 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%2FSprint%2B2&subView=model000001846c49bfab_00000003