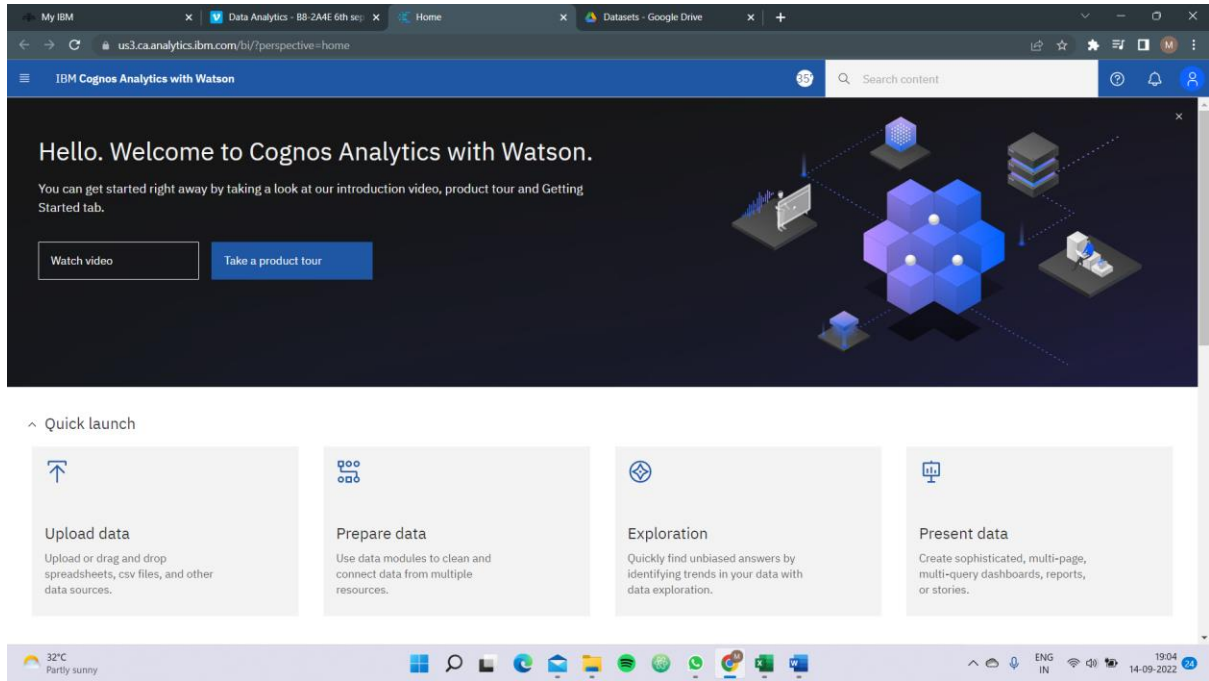


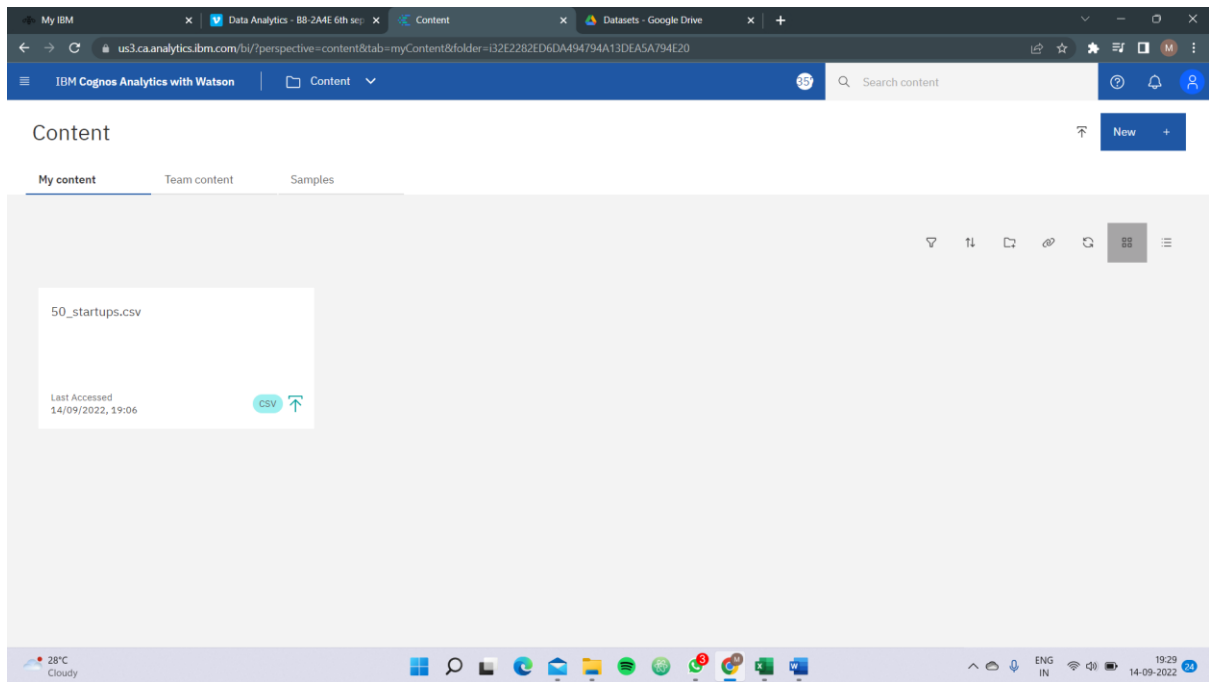
Assignment - 1

The case of 50 Start-up's

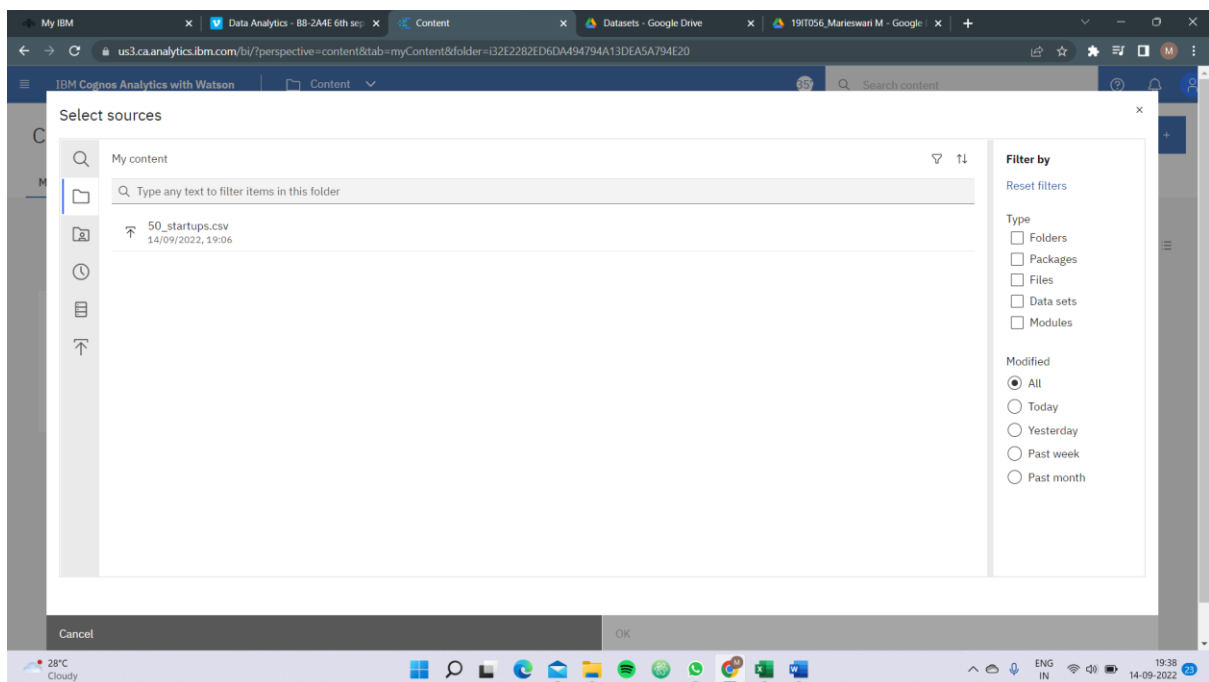
Dataset: [50-Startup-Dataset](#)



➔ Upload the 50 startup dataset from the local system



➔ Dataset get displayed with date and time



DATA PREPARATION

- ➔ Clean the data for attribute state:-
- ➔ Replace California with null value

The screenshot shows the IBM Cognos Analytics interface. The left sidebar displays the 'Data module' with a search bar and a list of fields: Row Id, R&D Spend, Administration, Marketing Spend, State, and Profit. The 'State' field is selected. The main area shows a grid view of the data. The grid has columns for Row Id, R&D Spend, Administration, Marketing Spend, State, and Profit. The data is as follows:

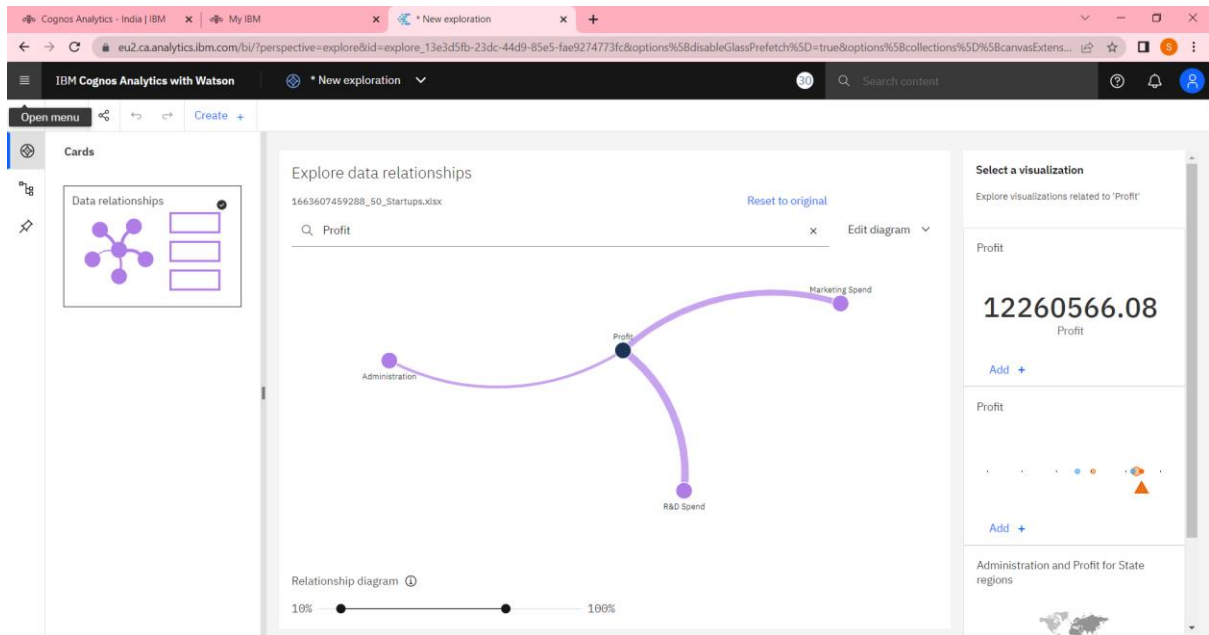
Row Id	R&D Spend	Administration	Marketing Spend	State	Profit
1	165349.2	136897.8	471784.1	New York	192261.83
2	162597.7	151377.59	443898.53	Null	191792.06
3	153441.51	101145.55	407934.54	Florida	191050.39
4	144372.41	118671.85	383199.62	New York	182901.99
5	142107.34	91391.77	366168.42	Florida	166187.94
6	131876.9	99814.71	362861.36	New York	156991.12
7	134615.46	147198.87	127716.82	Null	156122.51
8	130298.13	145530.06	323876.68	Florida	155752.6
9	120542.52	148718.95	311613.29	New York	152211.77
10	123334.88	108679.17	304981.62	Null	149759.96
11	101913.08	110594.11	229160.95	Florida	146121.95
12	100671.96	91790.61	249744.55	Null	144259.4
13	93863.75	127320.38	249839.44	Florida	141585.52
14	91992.39	135495.07	252664.93	Null	134307.35

Again replacing Null with Texas

The screenshot shows the same IBM Cognos Analytics interface as before, but with the 'State' field updated. The 'Null' values in the 'State' column have been replaced with 'Texas'. The data is as follows:

Row Id	R&D Spend	Administration	Marketing Spend	State	Profit
1	165349.2	136897.8	471784.1	New York	192261.83
2	162597.7	151377.59	443898.53	Texas	191792.06
3	153441.51	101145.55	407934.54	Florida	191050.39
4	144372.41	118671.85	383199.62	New York	182901.99
5	142107.34	91391.77	366168.42	Florida	166187.94
6	131876.9	99814.71	362861.36	New York	156991.12
7	134615.46	147198.87	127716.82	Texas	156122.51
8	130298.13	145530.06	323876.68	Florida	155752.6
9	120542.52	148718.95	311613.29	New York	152211.77
10	123334.88	108679.17	304981.62	Texas	149759.96
11	101913.08	110594.11	229160.95	Florida	146121.95
12	100671.96	91790.61	249744.55	Texas	144259.4
13	93863.75	127320.38	249839.44	Florida	141585.52
14	91992.39	135495.07	252664.93	Texas	134307.35

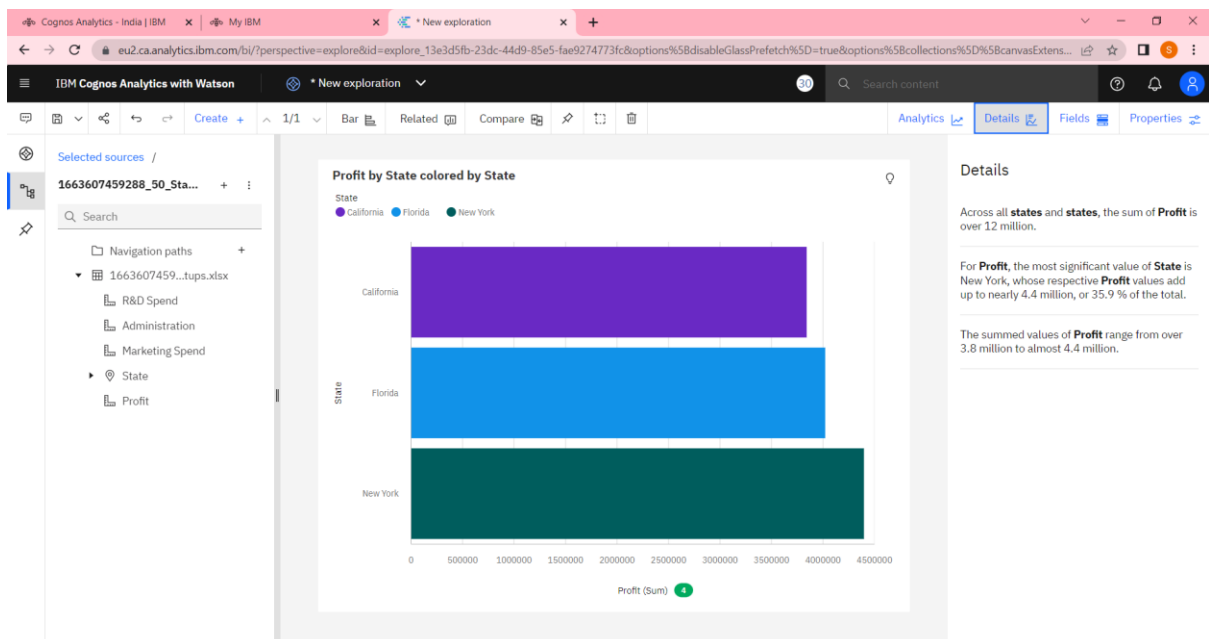
DATA EXPLORATION



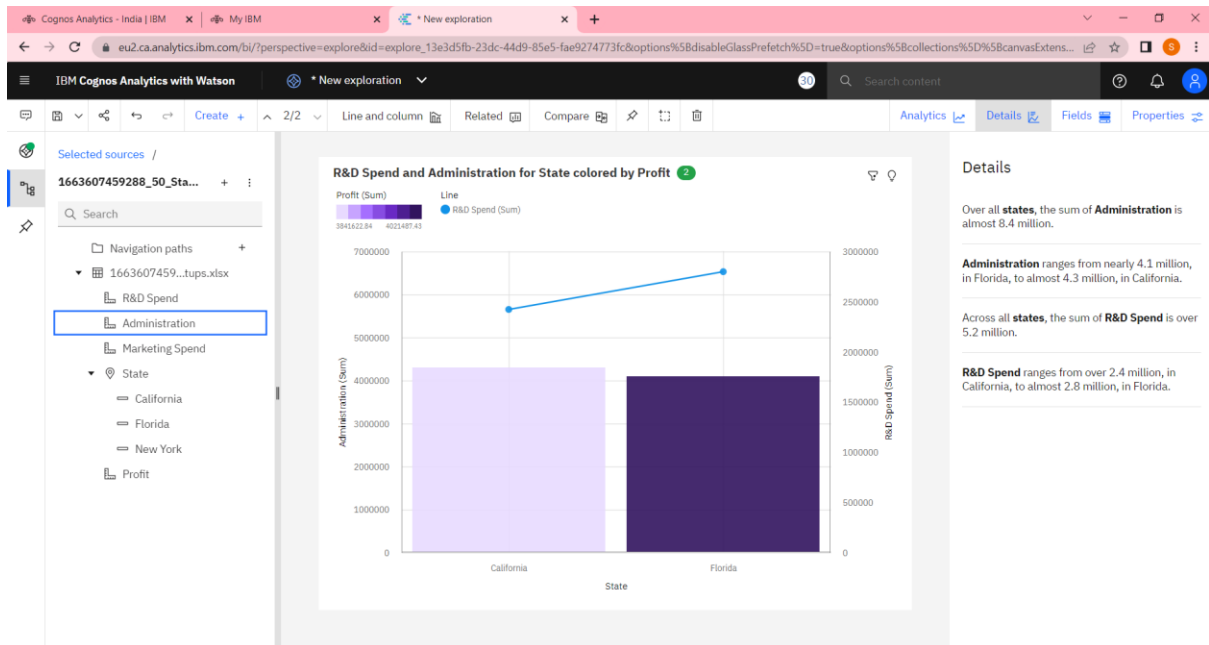
VISUALIZATION

1.Bar Graph

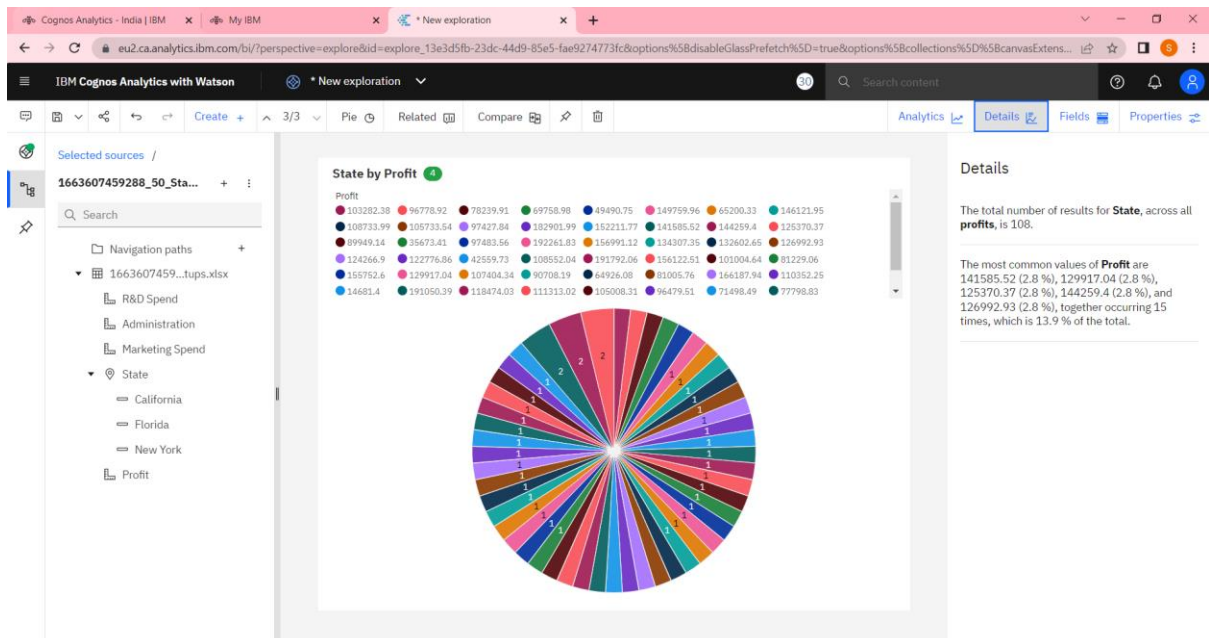
Profit by state



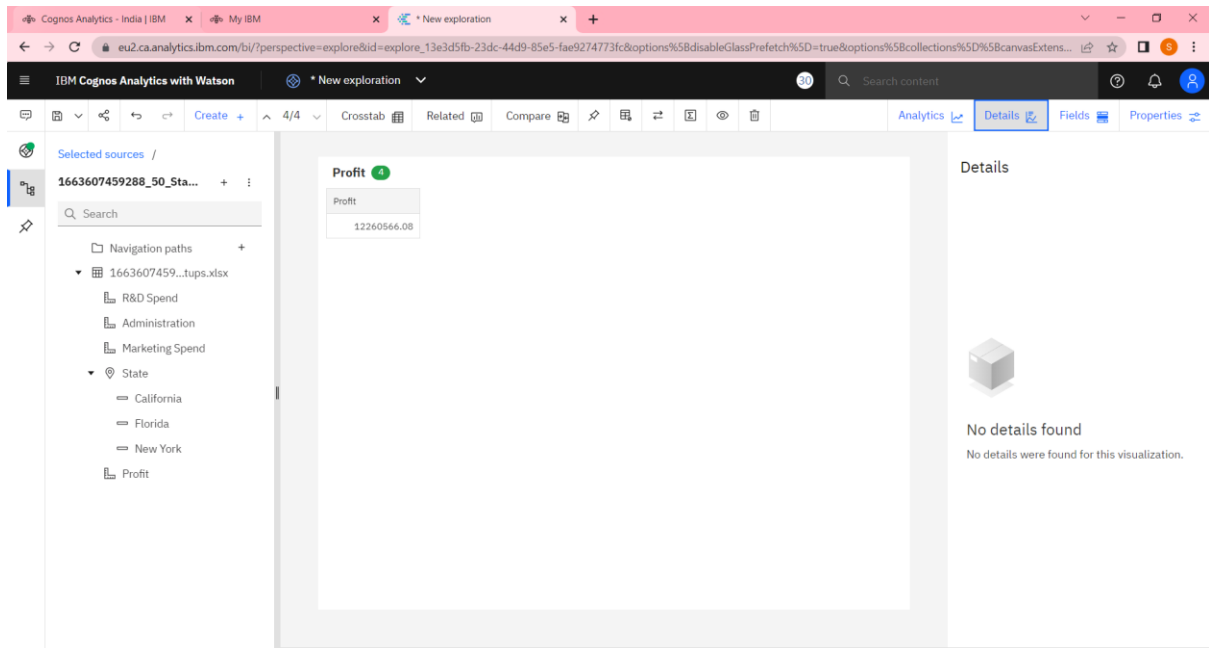
➔ Profit -> properties -> average profit



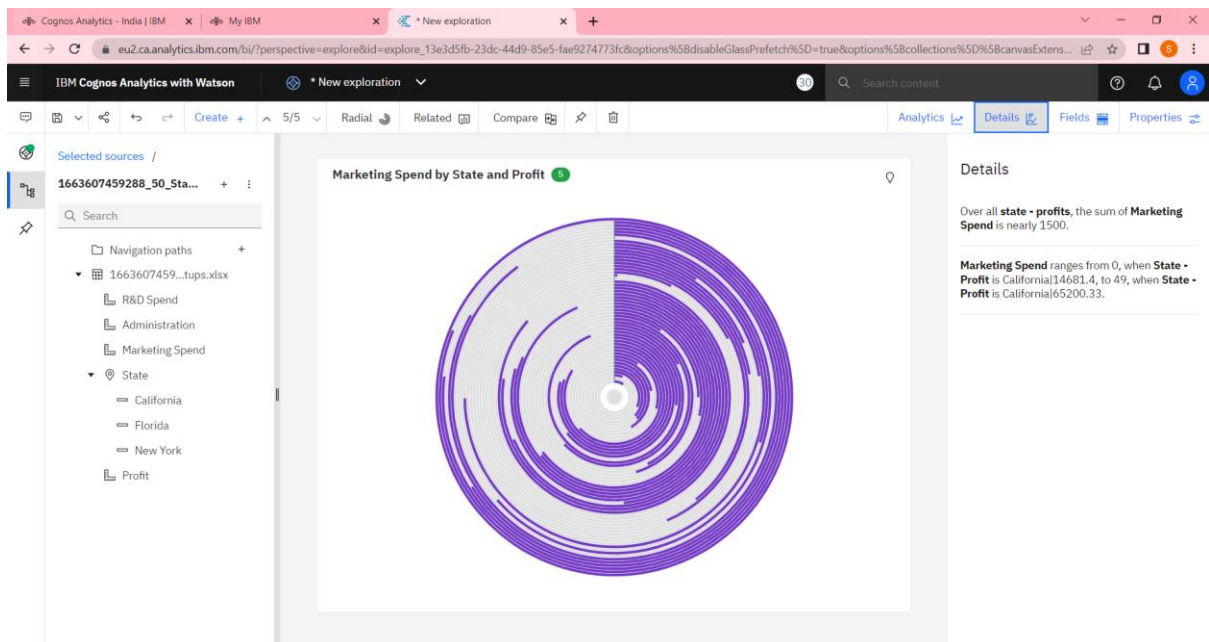
2. Pie Chart



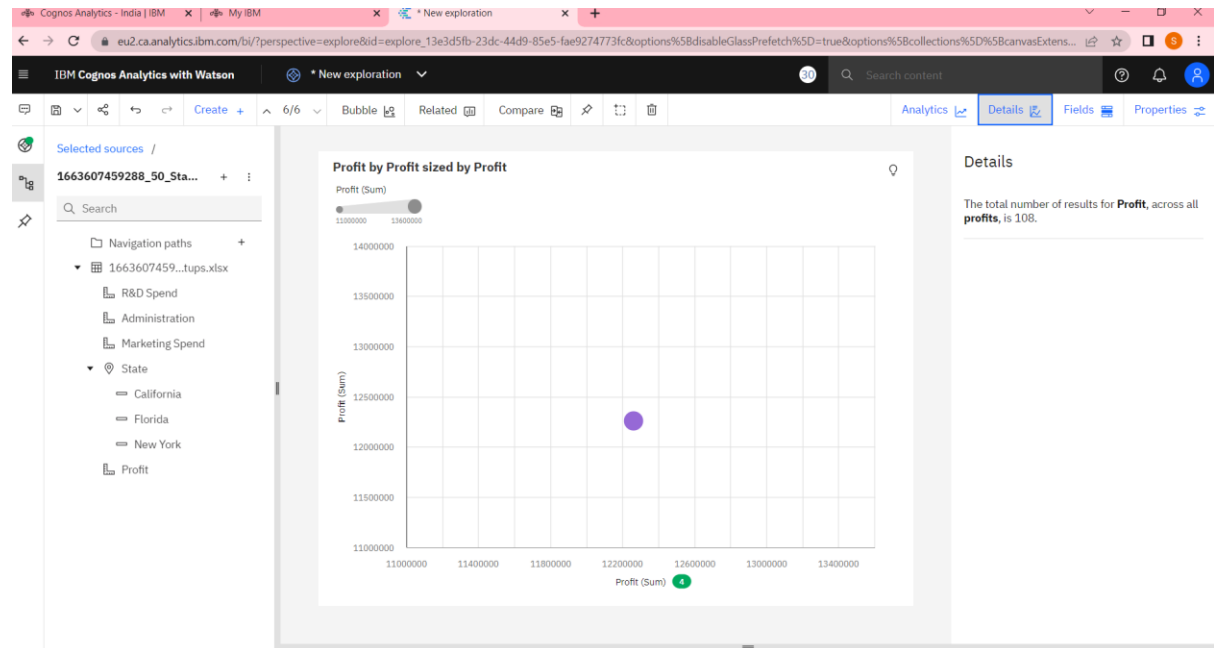
Crosstab



Radial



Packed Bubble



Line graph

