

**HX8001**  
**PROFESSIONAL READINESS FOR INNOVATION,EMPLOYMENTABILITY**  
**AND ENTREPRENEURSHIP**

**ASSIGNMENT 1**

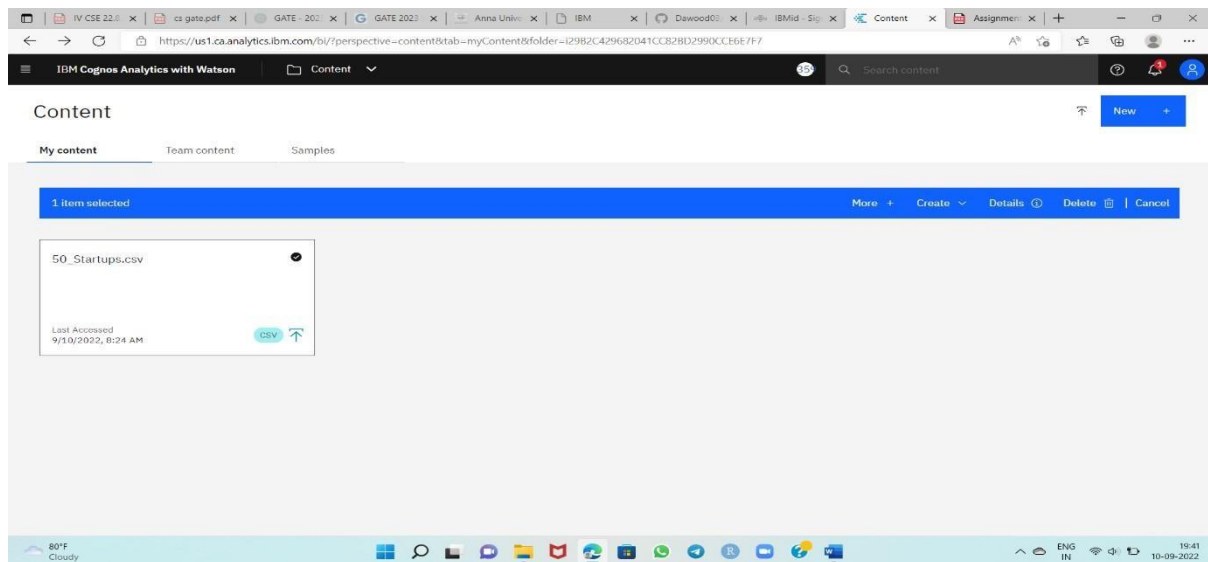
**TEAM ID: PNT2022TMID42735**

**PROJECT TITLE:ANALYTICS FOR HOSPITAL HEALTH**  
**DATA**

**STUDENT NAME: DAWOOD IBRAHIM H**

**Upload the dataset to Cognos Analytics, explore and visualize the**  
**dataset**

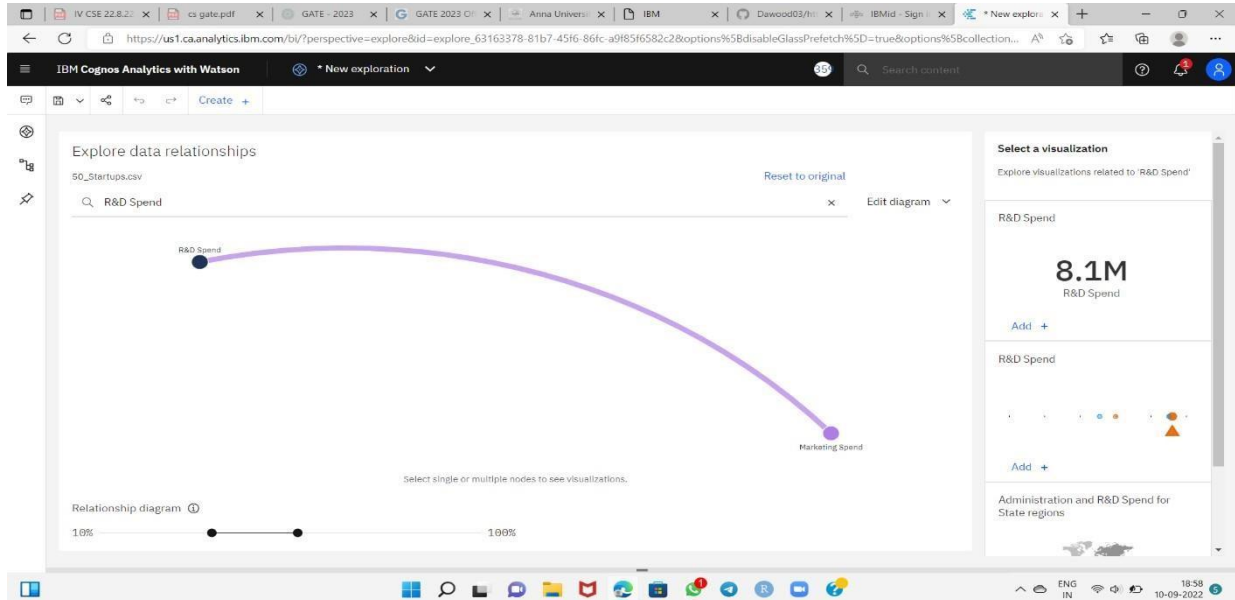
**1.Uploading Dataset to IBM Cognos Analytics:**



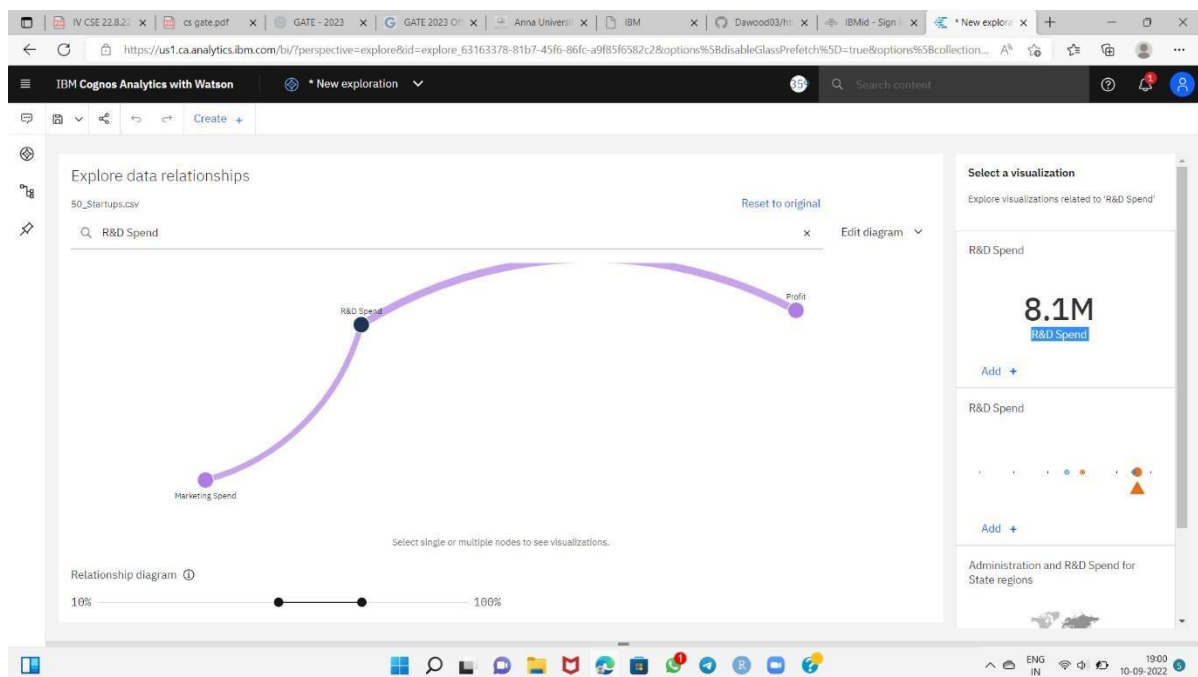
# HX8001

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### 2.Data Exploration:



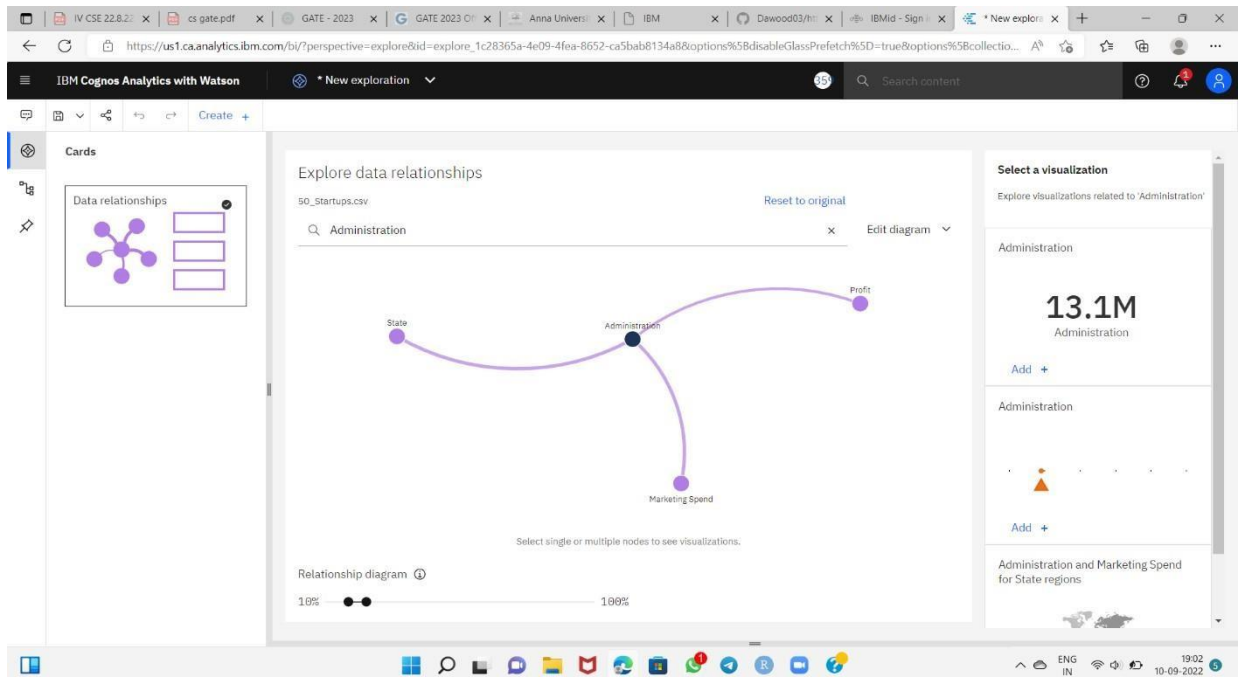
R&D and Marketing Spend



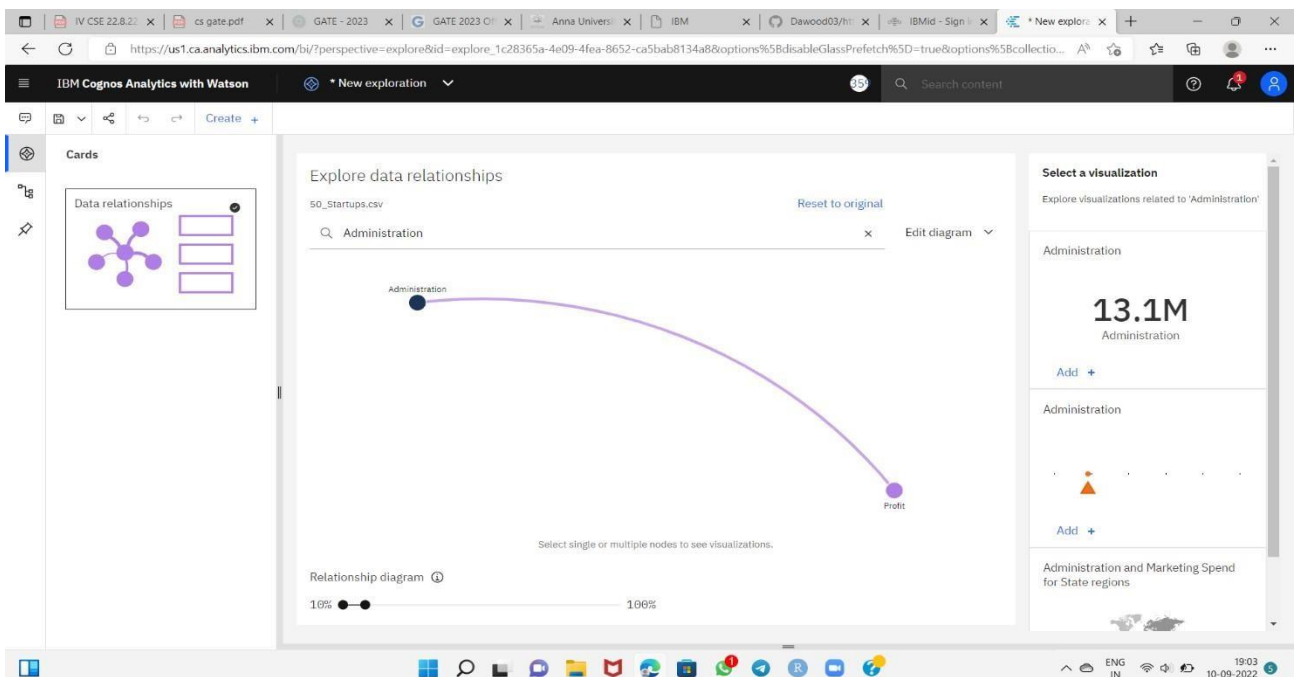
R&D Compared to Marketing Spend and Profit

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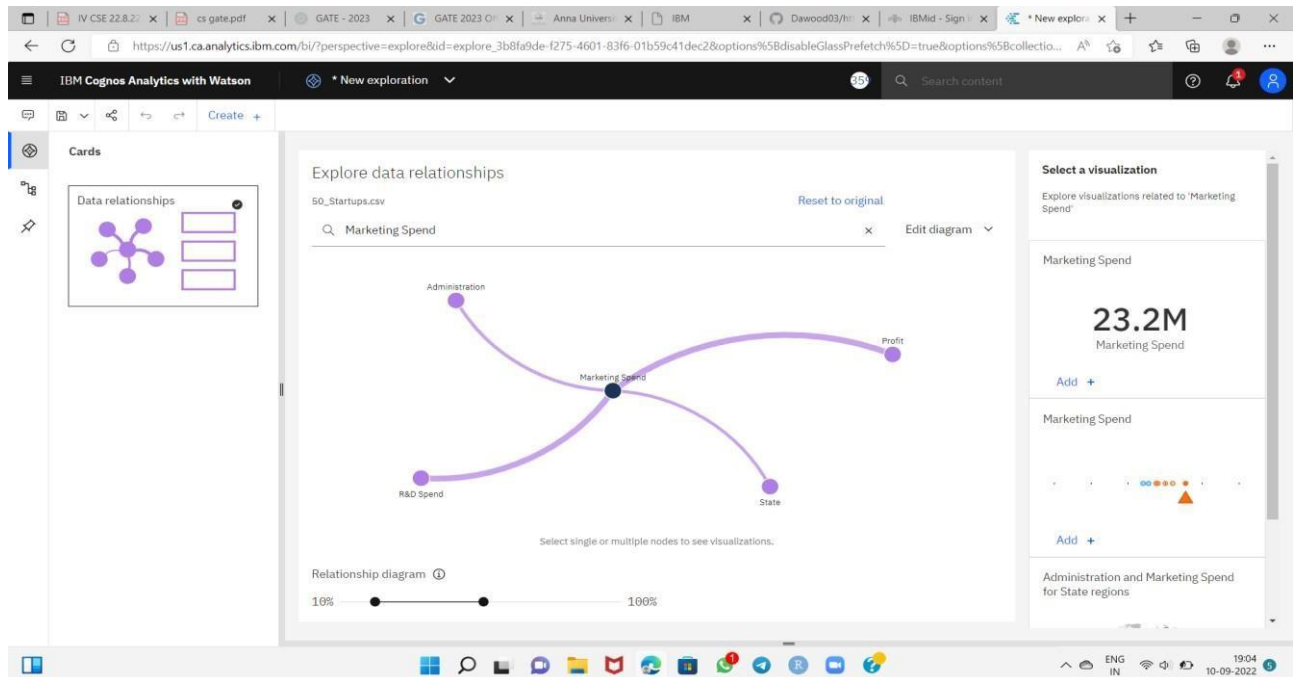
Administration Compared to State ,Marketing Spend and Profit



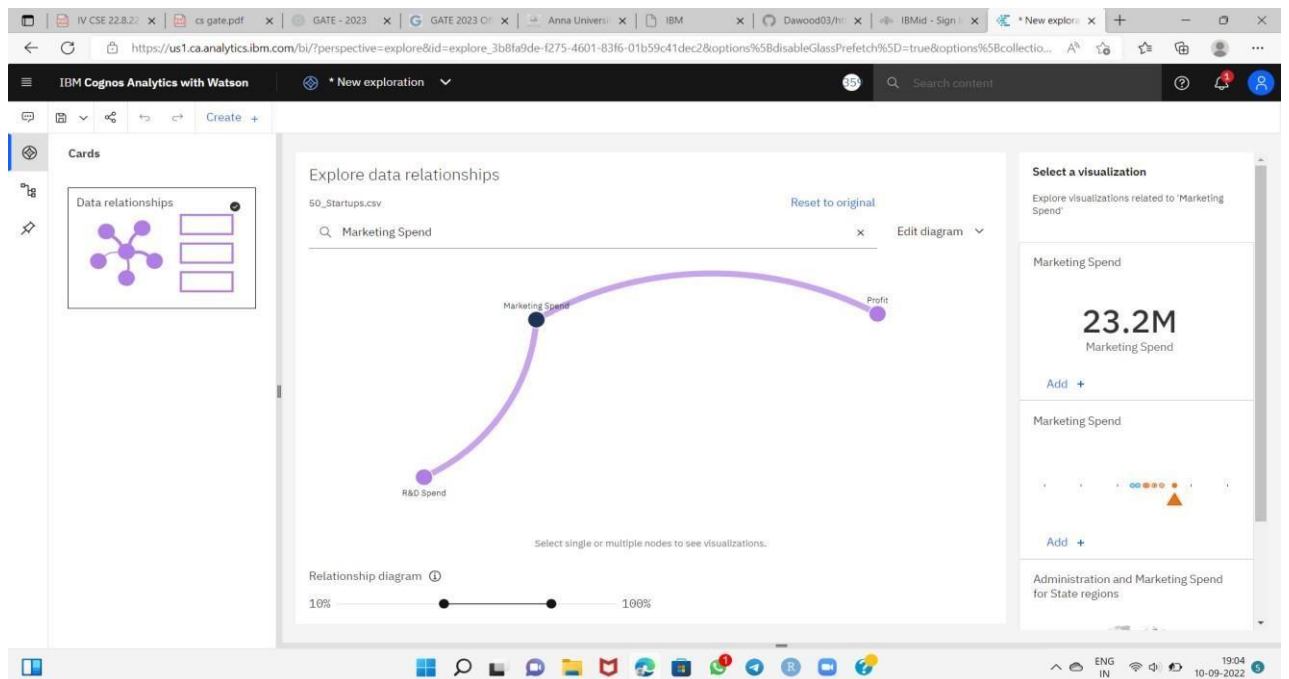
Marketing Spend and Profit

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Marketing Spend Compared to Administration,R&D Spend,  
State and Profit

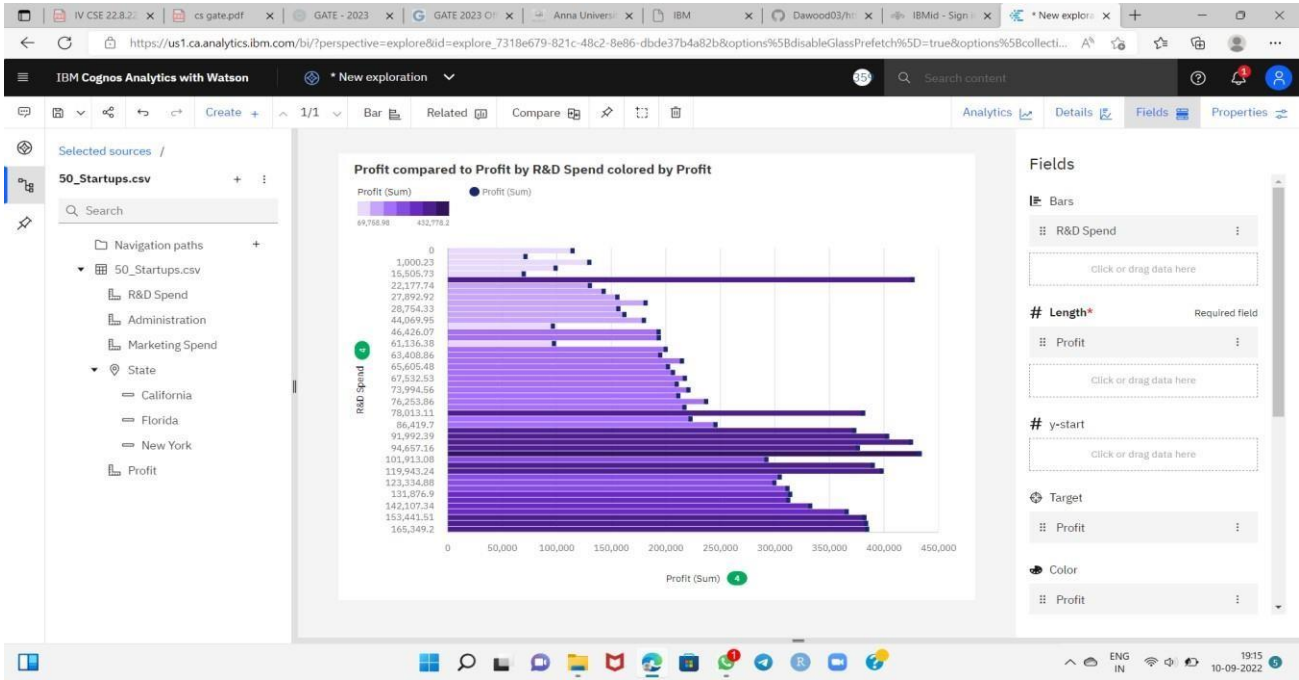


Marketing Spend Compared to R&D spend and Profit

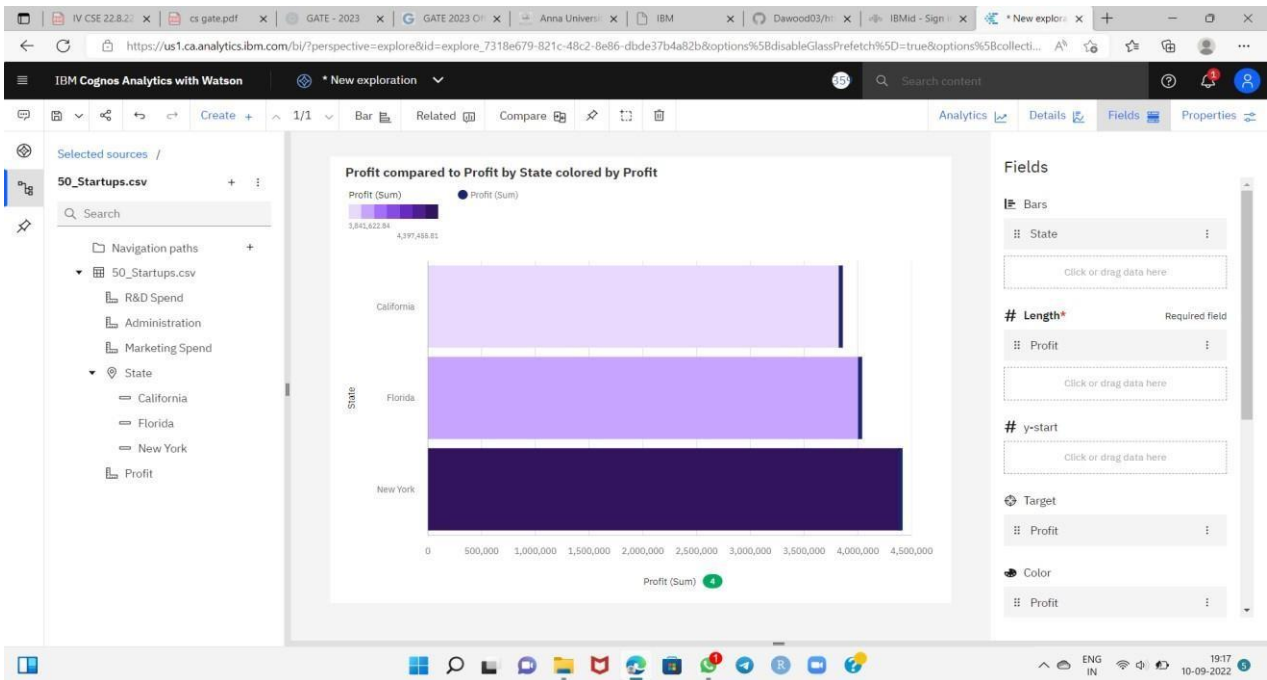
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**ENTREPRENEURSHIP**

**3.Data Visualization:**

**Bar chart Visualization:**

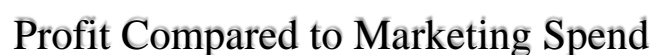
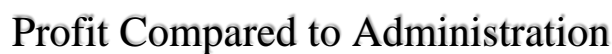


**Bar chart for Profit to R&D Spend**



**Profit Compared to State**

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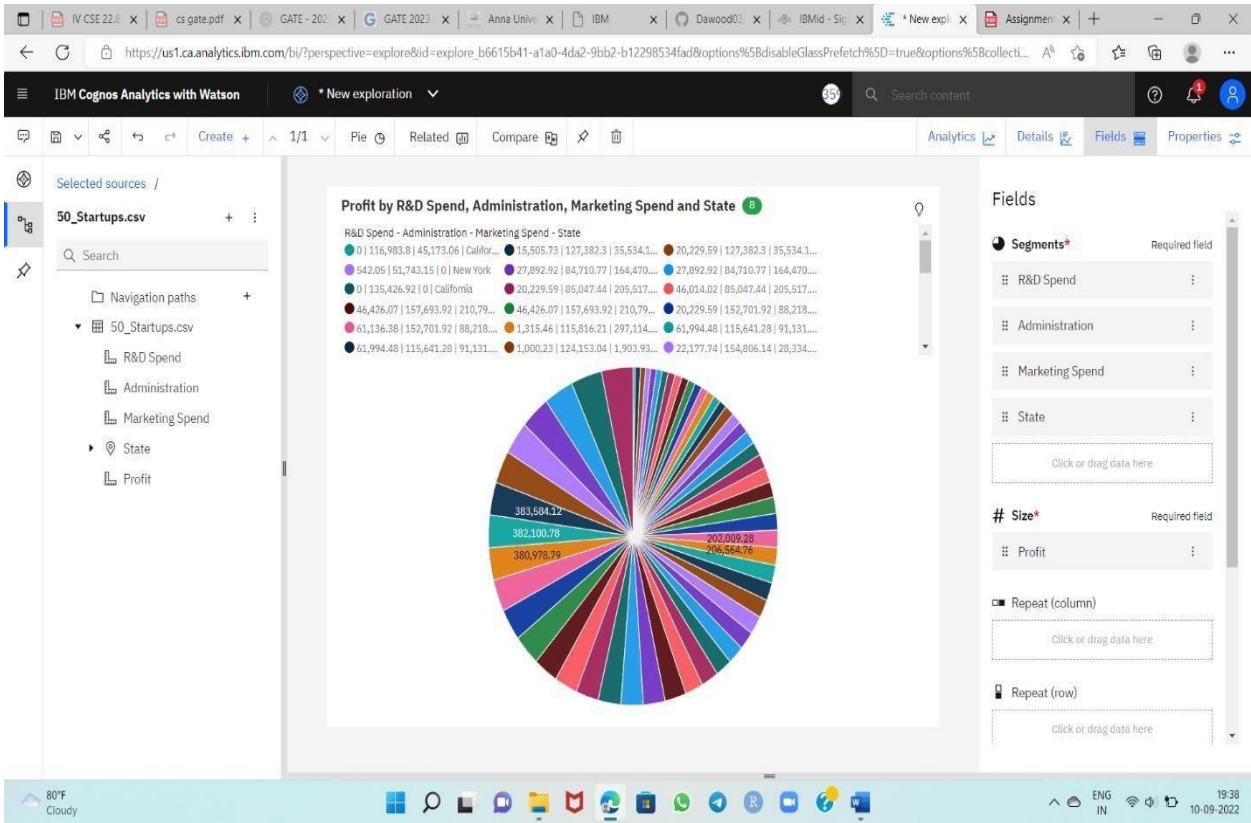




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## PROFESSIONAL READINESS FOR INNOVATION,EMPLOYABILITY AND ENTREPRENEURSHIP

### Pie Chart Visualization:



Profit Compared to R&D Spend,Administration,Marketing Spend and State

### Cross Tab Representation:

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## PROFESSIONAL READINESS FOR INNOVATION,EMPLOYABILITY AND ENTREPRENEURSHIP

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists '50\_Startups.csv' with a search bar and a tree view showing 'Navigation paths', '50\_Startups.csv', 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main area displays a pivot table titled 'Profit for State and R&D Spend'. The table has columns for Profit, California, Florida, New York, and Summary. The rows represent R&D Spend values. On the right, the 'Fields' pane shows 'Columns' with 'State' and 'Rows' with 'R&D Spend'. The 'Values' section shows 'Profit' as the required field.

Profit	California	Florida	New York	Summary
0	114,482.26	(no value)	(no value)	114,482.26
542.05	(no value)	(no value)	71,346.82	71,346.82
1,000.23	(no value)	(no value)	129,852.16	129,852.16
1,315.46	(no value)	98,981.5	(no value)	98,981.5
15,505.73	(no value)	(no value)	69,758.98	69,758.98
20,229.59	(no value)	(no value)	426,180.17	426,180.17
22,177.74	130,400.66	(no value)	(no value)	130,400.66
23,640.93	142,996.98	(no value)	(no value)	142,996.98
27,892.92	(no value)	77,798.83	77,798.83	155,597.66
28,663.76	(no value)	181,416.38	(no value)	181,416.38
28,754.33	156,479.82	(no value)	(no value)	156,479.82
38,558.51	162,011.52	(no value)	(no value)	162,011.52
44,069.95	179,898.28	(no value)	(no value)	179,898.28
46,014.02	(no value)	(no value)	96,479.51	96,479.51
46,426.07	96,712.8	(no value)	96,712.8	193,425.6

### Profit for State and R&D Spend

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists '50\_Startups.csv' with a search bar and a tree view showing 'Navigation paths', '50\_Startups.csv', 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The main area displays a pivot table titled 'Profit for State and Administration'. The table has columns for Profit, California, Florida, New York, and Summary. The rows represent Administration values. On the right, the 'Fields' pane shows 'Columns' with 'State' and 'Rows' with 'Administration'. The 'Values' section shows 'Profit' as the required field.

Profit	California	Florida	New York	Summary
51,283.14	179,898.28	(no value)	(no value)	179,898.28
51,743.15	(no value)	(no value)	71,346.82	71,346.82
65,947.93	(no value)	(no value)	162,458.12	162,458.12
82,982.09	162,011.52	(no value)	(no value)	162,011.52
84,710.77	(no value)	77,798.83	77,798.83	155,597.66
85,047.44	(no value)	(no value)	192,959.02	192,959.02
91,391.77	(no value)	332,375.88	(no value)	332,375.88
91,790.61	432,778.2	(no value)	(no value)	432,778.2
96,189.63	142,996.98	(no value)	(no value)	142,996.98
99,281.34	(no value)	(no value)	217,104.08	217,104.08
99,814.71	(no value)	(no value)	313,982.24	313,982.24
101,145.55	(no value)	382,100.78	(no value)	382,100.78
103,057.49	(no value)	193,557.84	(no value)	193,557.84
105,751.03	(no value)	217,467.98	(no value)	217,467.98
108,679.17	299,519.92	(no value)	(no value)	299,519.92

### Profit for State and Administration



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## PROFESSIONAL READINESS FOR INNOVATION,EMPLOYABILITY AND ENTREPRENEURSHIP

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists '50\_Startups.csv' with a tree view showing 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The 'Marketing Spend' item is selected. The main area displays a pivot table titled 'Profit for State and Marketing Spend'. The table has columns for Profit, California, Florida, New York, and Summary. The rows represent different profit levels. The right-hand 'Fields' pane shows 'Columns' with 'State' and 'Rows' with 'Marketing Spend'. The 'Values' section shows 'Profit'.

Profit	California	Florida	New York	Summary
0	85,119.46	(no value)	316,900.54	402,020
1,903.93	(no value)	(no value)	129,852.16	129,852.16
28,334.72	130,400.66	(no value)	(no value)	130,400.66
35,534.17	(no value)	(no value)	139,517.96	139,517.96
45,173.06	29,362.8	(no value)	(no value)	29,362.8
46,085.25	194,855.68	(no value)	(no value)	194,855.68
88,218.23	(no value)	(no value)	194,967.12	194,967.12
91,131.24	(no value)	99,937.59	99,937.59	199,875.18
107,138.38	(no value)	(no value)	202,009.28	202,009.28
118,148.2	(no value)	206,564.76	(no value)	206,564.76
127,716.82	312,245.02	(no value)	(no value)	312,245.02
134,050.07	(no value)	211,467.08	(no value)	211,467.08
137,962.62	214,808.68	(no value)	(no value)	214,808.68
140,574.81	(no value)	(no value)	217,104.08	217,104.08
148,001.11	142,996.98	(no value)	(no value)	142,996.98

Profit for State and Marketing Spend

The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Selected sources' pane lists '50\_Startups.csv' with a tree view showing 'R&D Spend', 'Administration', 'Marketing Spend', 'State', and 'Profit'. The 'Marketing Spend' item is selected. The main area displays a pivot table titled 'Profit for State, Marketing Spend, R&D Spend and Administration'. The table has columns for Profit, California, Florida, New York, and Summary. The rows represent different profit levels. The right-hand 'Fields' pane shows 'Columns' with 'State' and 'Rows' with 'Marketing Spend', 'R&D Spend', and 'Administration'. The 'Values' section shows 'Profit'.

Profit	California	Florida	New York	Summary
0	135,426.92	85,119.46	(no value)	(no value)
0	51,743.15	(no value)	(no value)	71,346.82
542.05	153,514.11	(no value)	(no value)	245,553.72
86,419.7	(no value)	(no value)	(no value)	245,553.72
88,218.23	85,119.46	(no value)	316,900.54	402,020
1,903.93	124,153.04	(no value)	(no value)	129,852.16
28,334.72	154,806.14	130,400.66	(no value)	284,206.80
35,534.17	(no value)	(no value)	(no value)	139,517.96
45,173.06	29,362.8	(no value)	(no value)	29,362.8
46,085.25	194,855.68	(no value)	(no value)	194,855.68
88,218.23	(no value)	(no value)	194,967.12	194,967.12
91,131.24	(no value)	99,937.59	99,937.59	199,875.18
107,138.38	(no value)	(no value)	202,009.28	202,009.28
118,148.2	(no value)	206,564.76	(no value)	206,564.76
127,716.82	312,245.02	(no value)	(no value)	312,245.02
134,050.07	(no value)	211,467.08	(no value)	211,467.08
137,962.62	214,808.68	(no value)	(no value)	214,808.68
140,574.81	(no value)	(no value)	217,104.08	217,104.08
148,001.11	142,996.98	(no value)	(no value)	142,996.98

Profit for State,Marketing Spend,R&D Spend and Administration