

HX8001

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

ASSIGNMENT 1

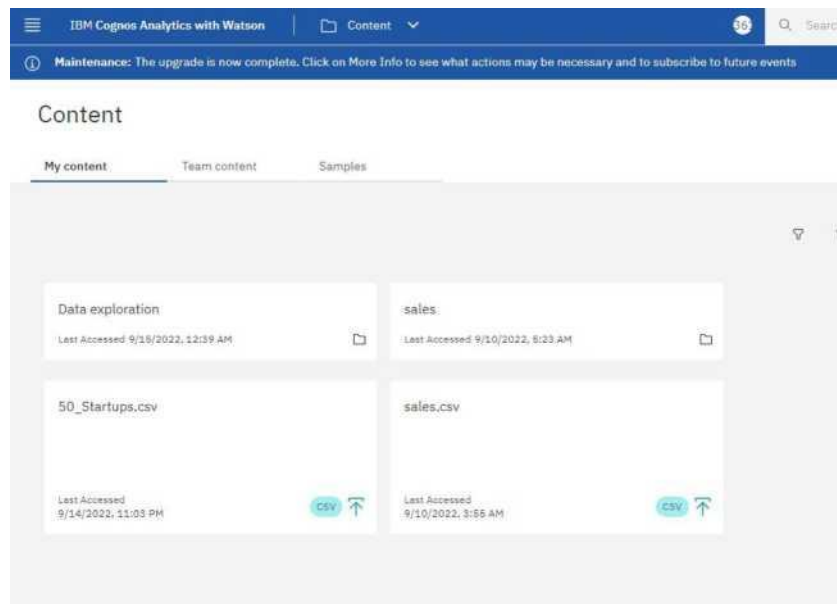
TEAM ID: PNT2022TMID42735

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

STUDENT NAME: E.SIVASAMY

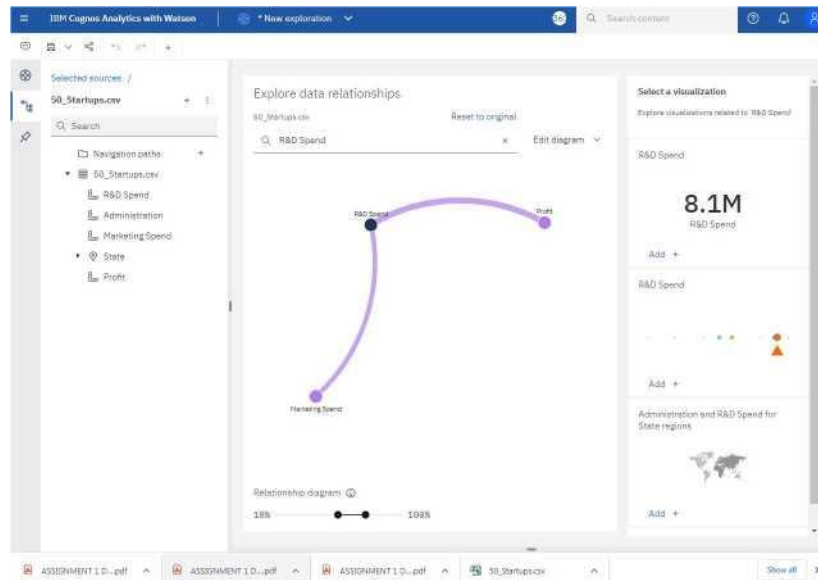
**Upload the dataset to Cognos Analytics, explore and visualize the
dataset**

1.Uploading Dataset to IBM Cognos Analytics:

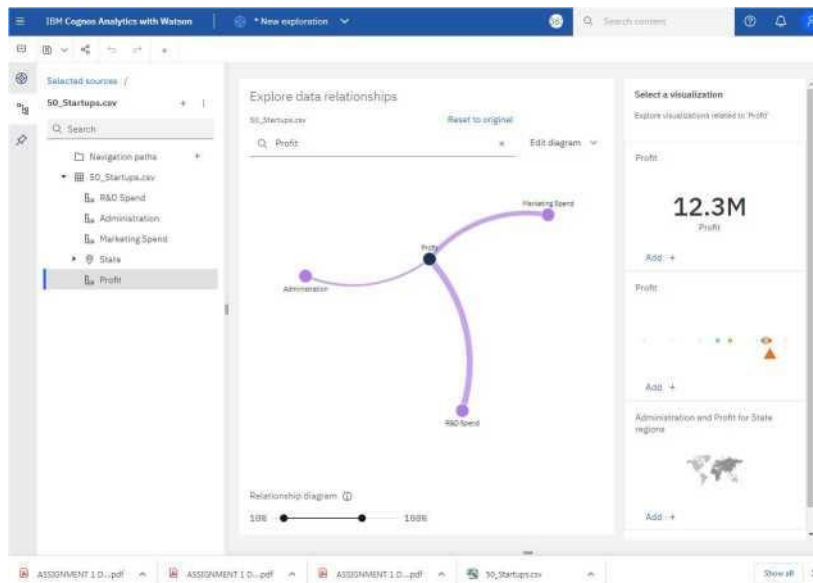


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2.Data Exploration:



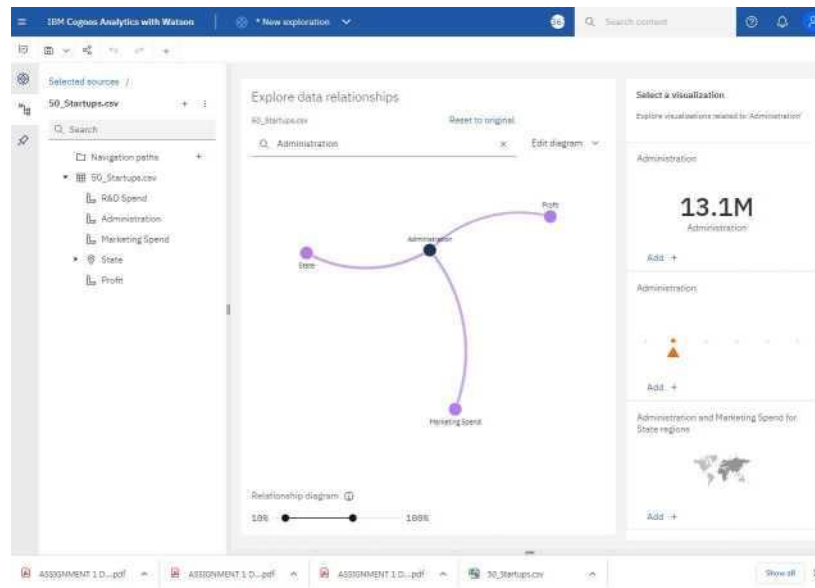
R&D and Marketing Spend



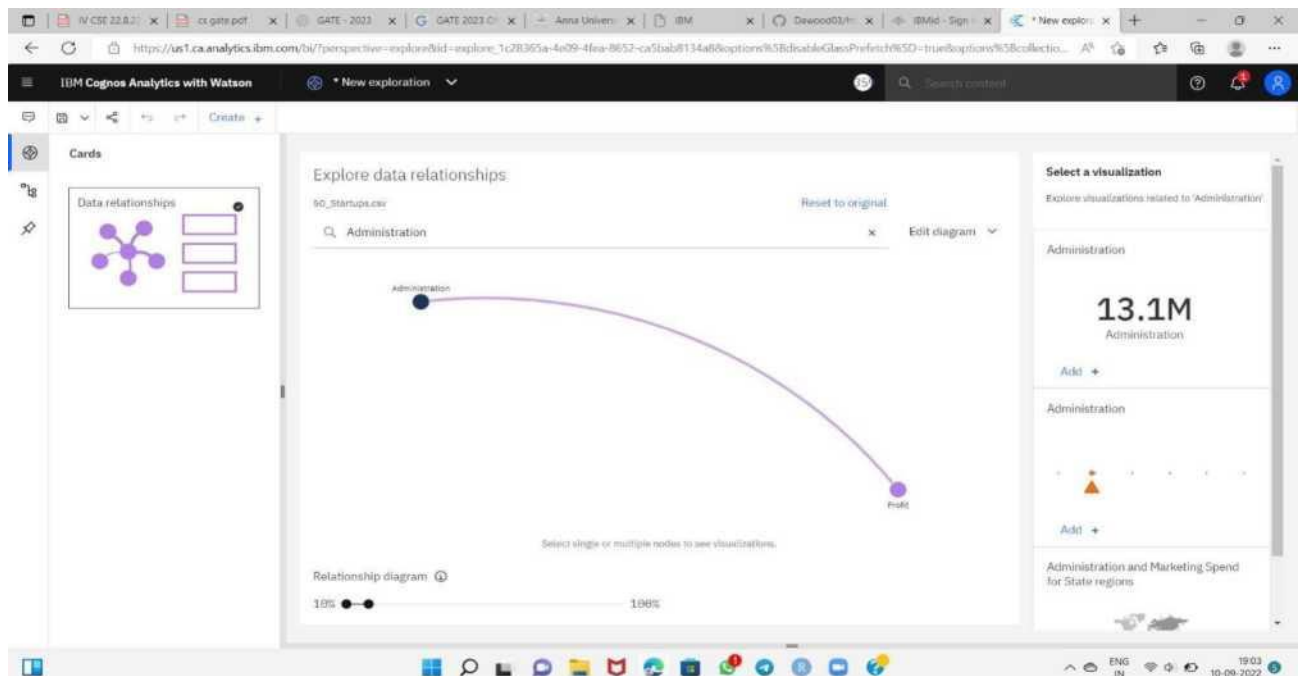
R&D Compared to Marketing Spend and Profit

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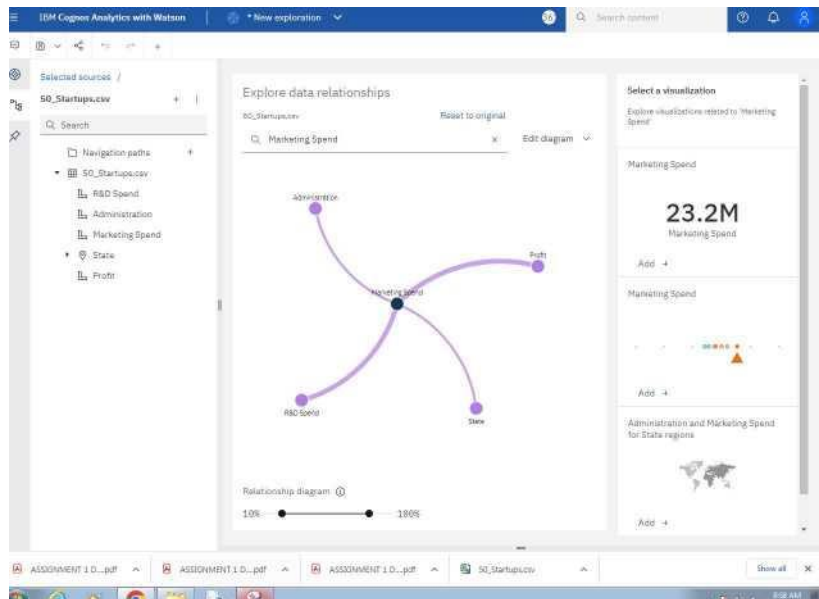
Administration Compared to State ,Marketing Spend and Profit



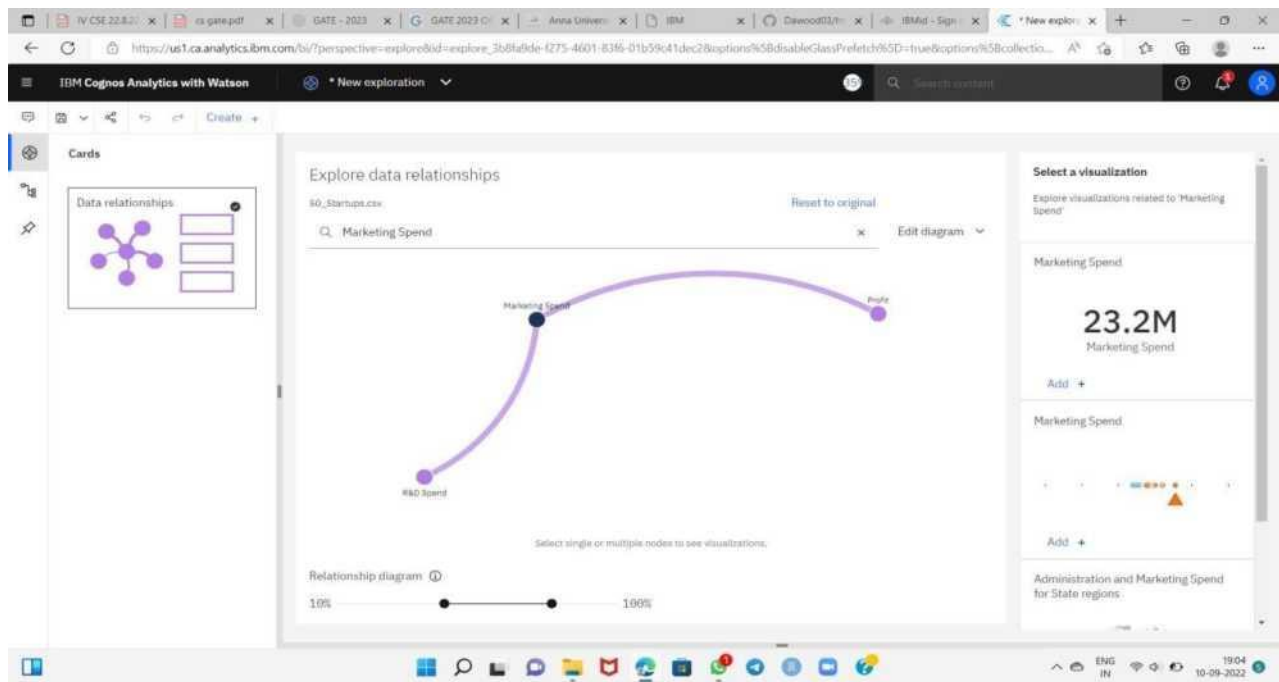
Marketing Spend and Profit

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

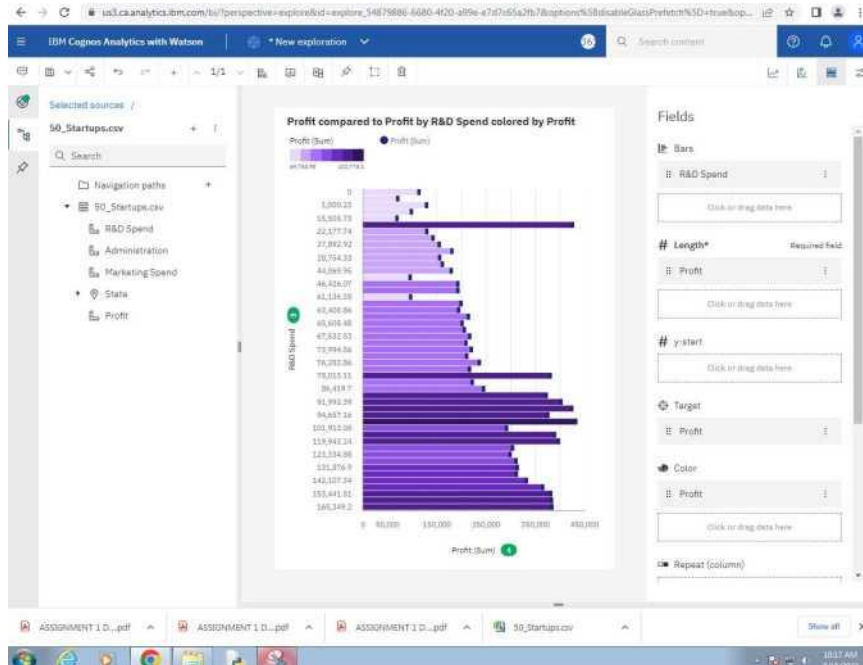


Marketing Spend Compared to R&D spend and Profit

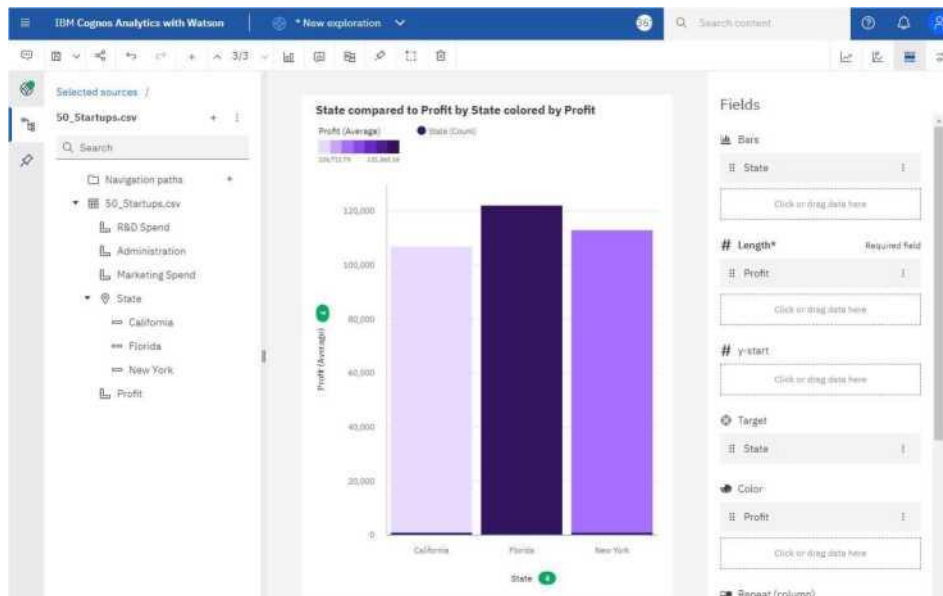
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3.Data Visualization:

Bar chart Visualization:



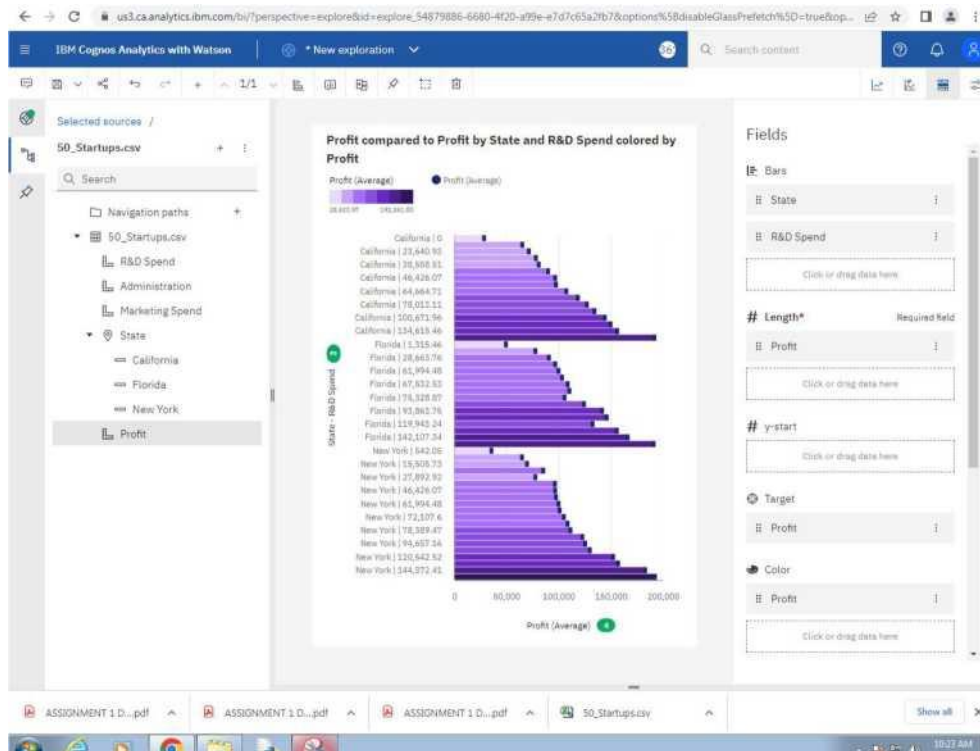
Bar chart for Profit to R&D Spend



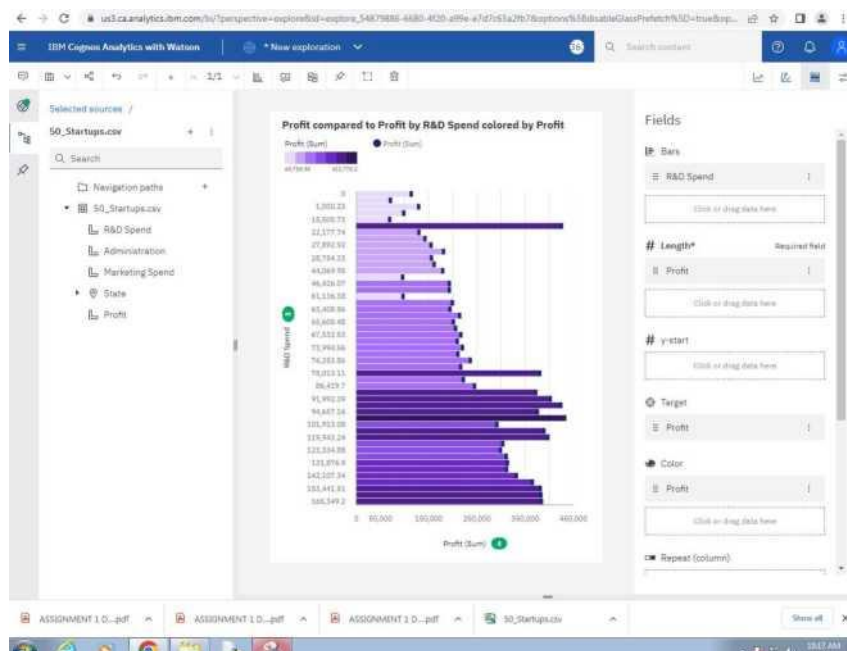
Profit Compared to State

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Profit Compared to State and R&D Spends

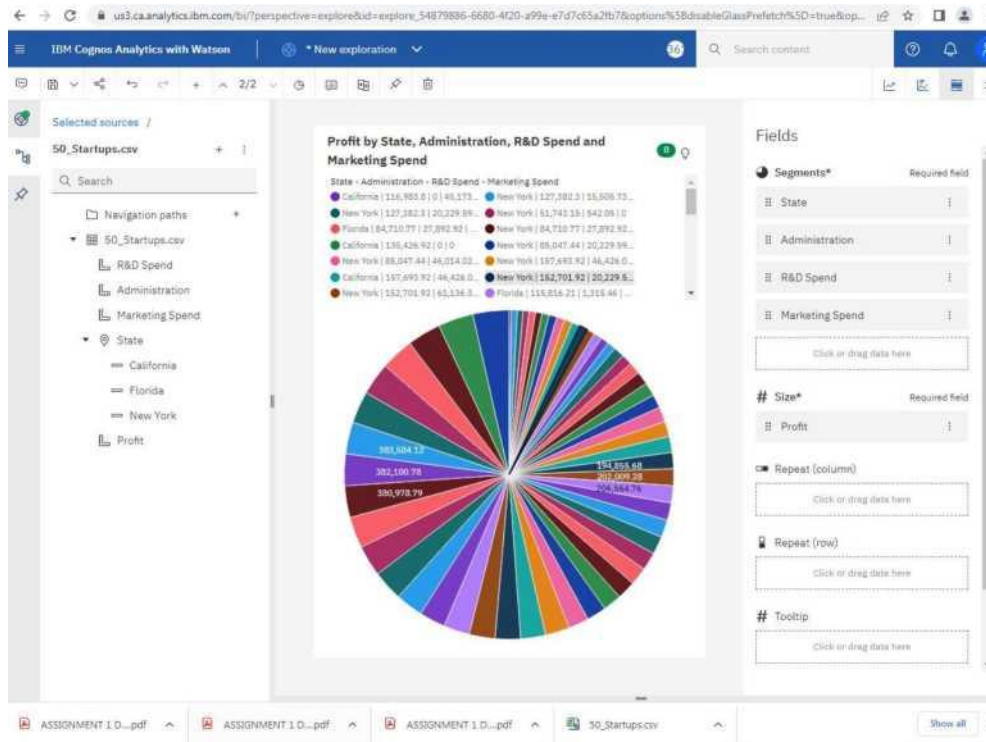


Profit Compared to R&D Spend Average

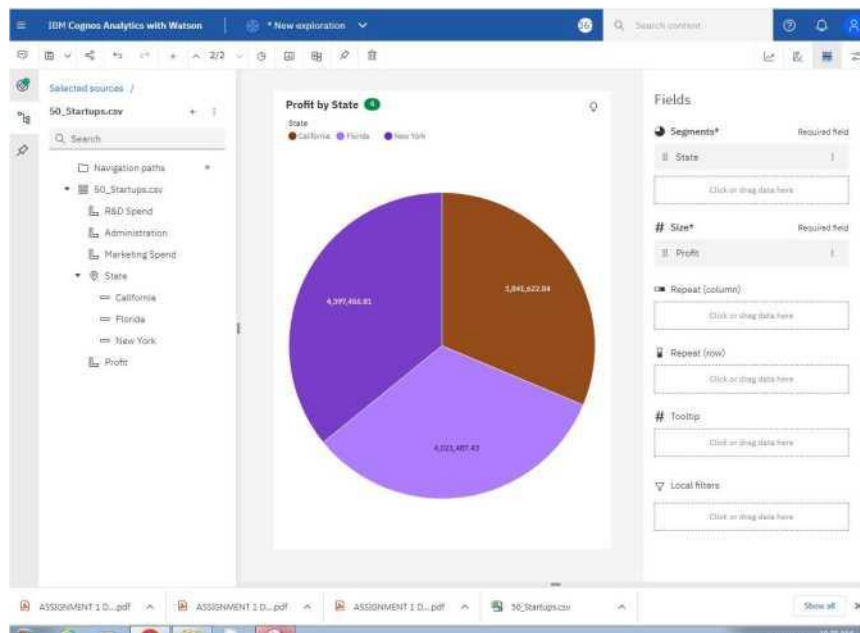
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Pie Chart Visualization:



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



Profit By State

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Cross Tab Representation:

The screenshot shows a web browser window with the URL us3.ca.analytics.ibm.com/bj/?perspective=explore&sid=explore_54879686-6680-4f20-a99e-e7d7c65a2fb7&options%5BdisableGlassPrefetch%5D=true&exp.... The interface is for IBM Cognos Analytics with Watson. The main report is titled "Profit for State and R&D Spend". The report is a cross-tab with "State" on the columns and "R&D Spend" on the rows. The columns are California, Florida, New York, and Summary. The rows are Profit, 61,136.38, 61,994.48, 63,408.86, 64,664.71, 65,605.48, 66,051.52, 67,532.53, 72,107.6, 73,994.56, 75,328.87, 76,253.86, 77,044.01, 78,013.11, 78,389.47, 86,419.7, 91,749.16, 91,992.39, and 93,863.75. The report shows profit values for each state and a summary row. The right sidebar shows the "Fields" panel with "Columns" set to "State" and "Rows" set to "R&D Spend". The "# Values*" section shows "Profit" as the required field.

Profit	California	Florida	New York	Summary
61,136.38	(no value)	value	(no value)	97,483.56
61,994.48	(no value)	99,937.59	99,937.59	99,937.59
63,408.86	97,427.84	value	(no value)	97,427.84
64,664.71	107,404.34	value	(no value)	107,404.34
65,605.48	(no value)	value	(no value)	101,004.64
66,051.52	(no value)	103,282.38	value	103,282.38
67,532.53	(no value)	108,733.99	value	108,733.99
72,107.6	(no value)	value	(no value)	105,008.31
73,994.56	(no value)	110,352.25	value	110,352.25
75,328.87	(no value)	105,733.54	value	105,733.54
76,253.86	118,474.03	value	(no value)	118,474.03
77,044.01	(no value)	value	(no value)	108,552.04
78,013.11	126,992.93	value	(no value)	126,992.93
78,389.47	(no value)	value	(no value)	111,313.02
86,419.7	(no value)	value	(no value)	122,776.86
91,749.16	(no value)	value	(no value)	124,266.9
91,992.39	134,307.35	value	(no value)	134,307.35
93,863.75	(no value)	141,585.52	value	141,585.52

Profit for State and R&D Spend

The screenshot shows a web browser window with the URL us3.ca.analytics.ibm.com/bj/?perspective=explore&sid=explore_54879686-6680-4f20-a99e-e7d7c65a2fb7&options%5BdisableGlassPrefetch%5D=true&exp.... The interface is for IBM Cognos Analytics with Watson. The main report is titled "Profit for State and Administration". The report is a cross-tab with "State" on the columns and "Administration" on the rows. The columns are California, Florida, New York, and Summary. The rows are Profit, 113,867.3, 114,175.79, 115,641.28, 115,816.21, 116,983.8, 118,546.05, 118,671.85, 121,597.55, 122,616.84, 122,782.75, 124,153.04, 127,056.21, 127,320.38, 127,382.3, 127,864.55, 129,219.61, 135,426.92, and 135,495.07. The report shows profit values for each state and a summary row. The right sidebar shows the "Fields" panel with "Columns" set to "State" and "Rows" set to "Administration". The "# Values*" section shows "Profit" as the required field.

Profit	California	Florida	New York	Summary
113,867.3	3	118,474.0	(no value)	value
114,175.79	value	(no value)	124,266.9	value
115,641.28	value	(no value)	99,937.59	99,937.59
115,816.21	value	(no value)	49,490.75	value
116,983.8	value	14,681.4	(no value)	value
118,546.05	1	78,239.9	(no value)	value
118,671.85	value	(no value)	182,901.99	9
121,597.55	3	126,992.9	(no value)	value
122,616.84	value	(no value)	129,917.04	4
122,782.75	value	(no value)	110,352.25	5
124,153.04	value	(no value)	64,926.08	value
127,056.21	value	(no value)	90,708.19	value
127,320.38	value	(no value)	141,585.52	value
127,382.3	value	(no value)	69,758.98	2
127,864.55	value	(no value)	(no value)	105,008.31
129,219.61	4	97,427.8	(no value)	value
135,426.92	3	42,559.7	(no value)	value
135,495.07	5	134,307.3	(no value)	value

Profit for State and Administration

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Profit for State and Administration Q

Profit	California	Florida	New York	Summar
113,867.3	3	118,474.0	(no value)	(no value)
114,175.79	value)	(no value)	124,266.9	(no value)
115,641.28	value)	(no value)	99,937.69	99,937.59
115,816.21	value)	(no value)	49,490.76	(no value)
116,983.8		14,681.4	value)	(no value)
118,546.05	1	78,239.9	value)	(no value)
118,671.86	value)	(no value)	(no value)	182,901.99
121,597.55	3	126,992.9	value)	(no value)
122,616.84	value)	(no value)	(no value)	129,917.04
122,782.75	value)	(no value)	110,362.25	(no value)
124,153.04	value)	(no value)	(no value)	64,926.08
127,056.21	value)	(no value)	90,708.19	value)
127,320.38	value)	(no value)	141,585.52	(no value)
127,382.3	value)	(no value)	(no value)	69,758.98
127,864.55	value)	(no value)	(no value)	105,008.31
129,219.61		97,427.84	value)	(no value)
135,426.92		42,559.73	value)	(no value)
136,496.07		134,307.35	value)	(no value)

Fields

Columns

State

Administration

Click or drag data here

S? Local filters

Click or drag data here

Assignment-1 (I).pdf A 0 ASSIGNMENT 1 D....pdf A 0 ASSIGNMENT 1 D....pdf A 0 ASSIGNMENT 1 D....pdf A

Profit for State and Marketing Spend

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Profit for State, Administration, Marketing Spend and State

	value)	(no value)	122,776.86	122,776.86
153,773.43	296,787.29	New York	value)	(no value)
	Summary	value)	(no value)	111,313.02
	Summary	value)	(no value)	111,313.02
154,806.14	28,334.72	California	100.33	(no value)
	Summary	100.33	(no value)	(no value)
	Summary	100.33	(no value)	(no value)
156,547.42	256,813.92	Florida	value)	132,602.65
	Summary	value)	132,602.65	(no value)
	Summary	value)	132,602.65	(no value)
157,490.92	216,797.67	California	-712.8	(no value)
	New York	value)	(no value)	96,712.8
	Summary	-712.8	(no value)	96,712.8
	Summary	-712.8	(no value)	96,712.8
161,448.54	118,148.2	Florida	value)	103,282.38
	Summary	value)	103,282.38	(no value)
	Summary	value)	103,282.38	(no value)
Summary		-51.75	121,863.26	111,955.26

Fields

Columns

Click or drag data here

5 Rows

Administration

Marketing Spend

Values* field Required

Profit

Click or drag data here

S? Local filters

Click or drag data here

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