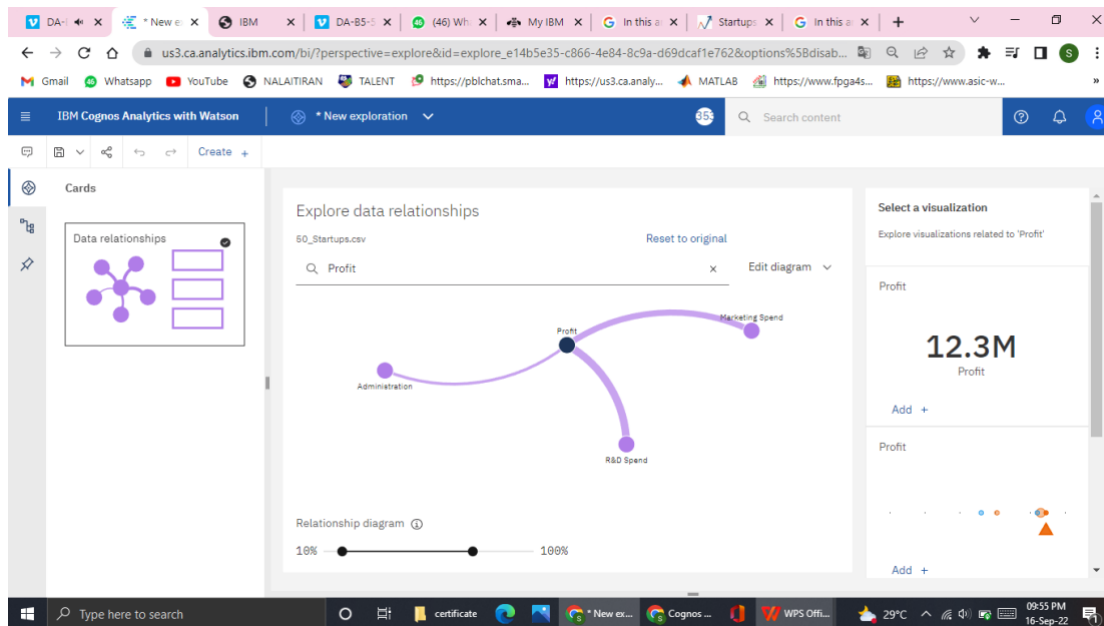


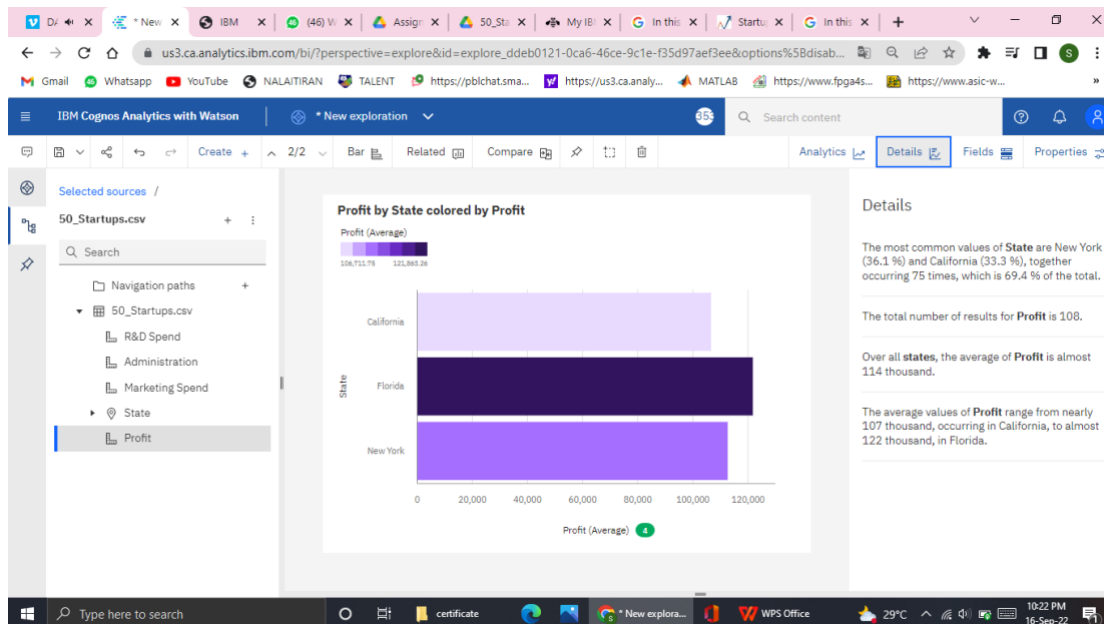
NAME : M. R. VINEETA
TEAM ID : PNT2022TMID01180
ROLL NO : 211419106292
BATCH NO : B5-5M1E
PROJECT : Analytics for Hospitals Health-Care Data
ASSIGNMNET NO : 01

DATA EXPLORATION:



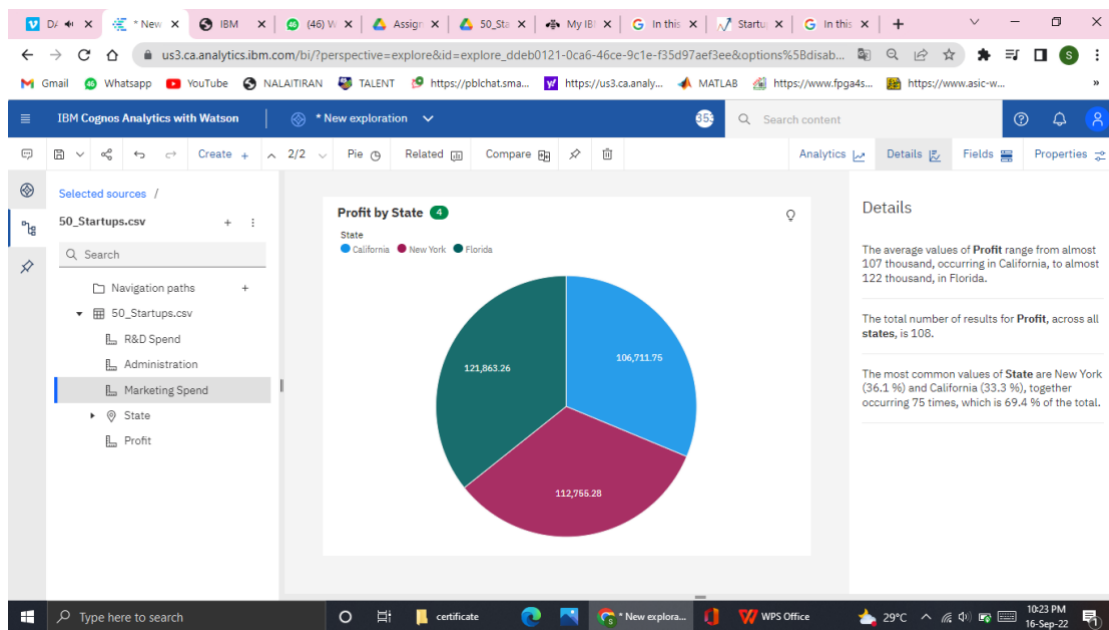
DATA VISUALIZATION

Profit by State colored by Profit(AVERAGE) - BAR GRAPH



Florida has nearly 122000 profit average.

Profit by State(PIE CHART)



Newyork State has high profit rate when compared to all other states.

Profit for State and Marketing Spend (CROSS TABLE)

Profit for State and Marketing Spend

Profit	California	Florida	New York	Summary
0	42,559.73	(no value)	79,225.14	67,003.33
1,903.93	(no value)	(no value)	64,926.08	64,926.08
28,334.72	66,200.33	(no value)	(no value)	66,200.33
35,534.17	(no value)	(no value)	69,758.98	69,758.98
45,173.06	14,681.4	(no value)	(no value)	14,681.4
46,085.25	97,427.84	(no value)	(no value)	97,427.84
88,218.23	(no value)	(no value)	97,483.56	97,483.56
91,131.24	(no value)	99,937.59	99,937.59	99,937.59
107,138.38	(no value)	(no value)	101,004.64	101,004.64
118,148.2	(no value)	103,282.38	(no value)	103,282.38
127,716.82	156,122.51	(no value)	(no value)	156,122.51

Details

The most common value of **State** is New York, occurring 19 times, which is 36.5 % of the total.

The most common values of **Marketing Spend** are 91131.24 (3.8 %), 0.0 (3.8 %), 210797.67 (3.8 %), and 164470.71 (3.8 %), together occurring 8 times, which is 15.4 % of the total.

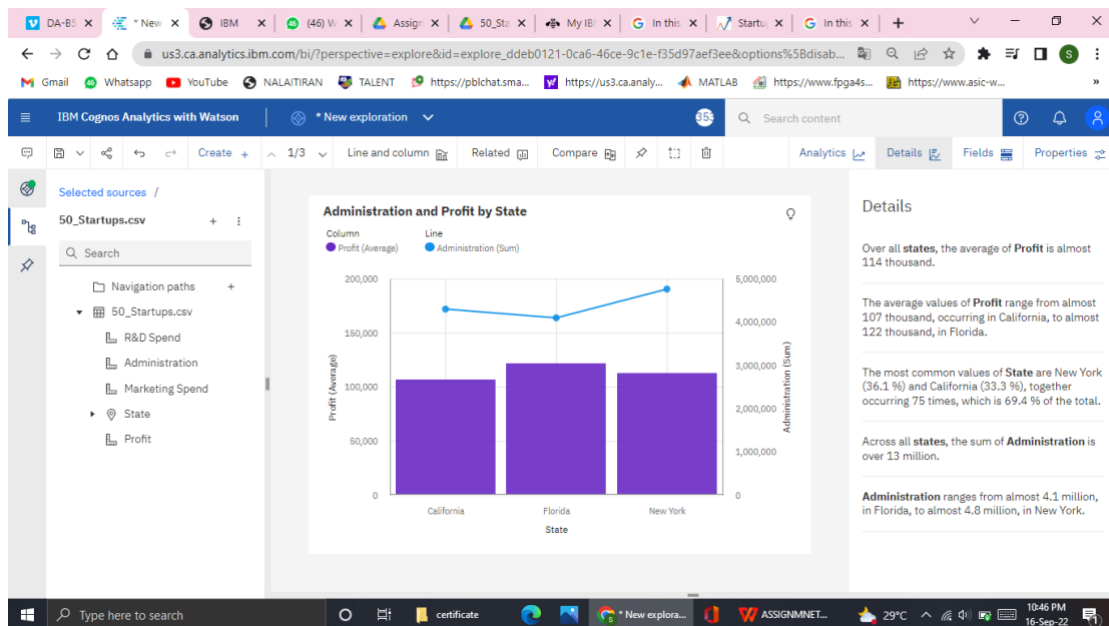
Marketing Spend strongly affects **Profit** (89%).

Across all **states** and **marketing spends**, the average of **Profit** is over 111 thousand.

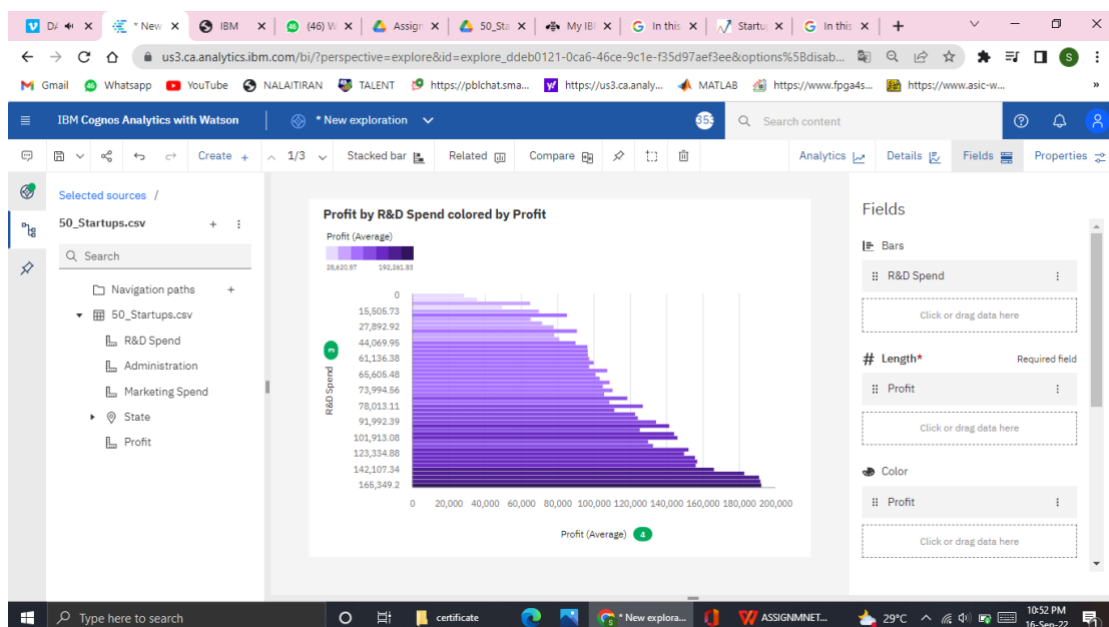
The average values of **Profit** range from nearly fifteen thousand to over 192 thousand.

Marketing Spend strongly affects Profit

Administration and Profit by State (Line and Column)



Profit by R&D Spend colored by Profit (STACKED BAR)



IBM Cognos Analytics with Watson

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R&D Spend

Administration

Marketing Spend

State

Profit

Profit by State and Administration

State - Administration

Details

The total number of results for **R&D Spend**, across all **state - administrations**, is 108.

Across all **state - administrations**, the average of **R&D Spend** is over 54 thousand.

The most common values of **State - Administration** are California|91790.61 (36.1 %) and California|51283.14 (33.3 %), together occurring 75 times, which is 69.4 % of the total.

The total number of results for **Profit**, across all **state - administrations**, is 108.

The average values of **Profit** range from 0, occurring when **State - Administration** is California|51283.14, to 49, when **State - Administration** is California|91790.61.