

**NAME : Maran.R**

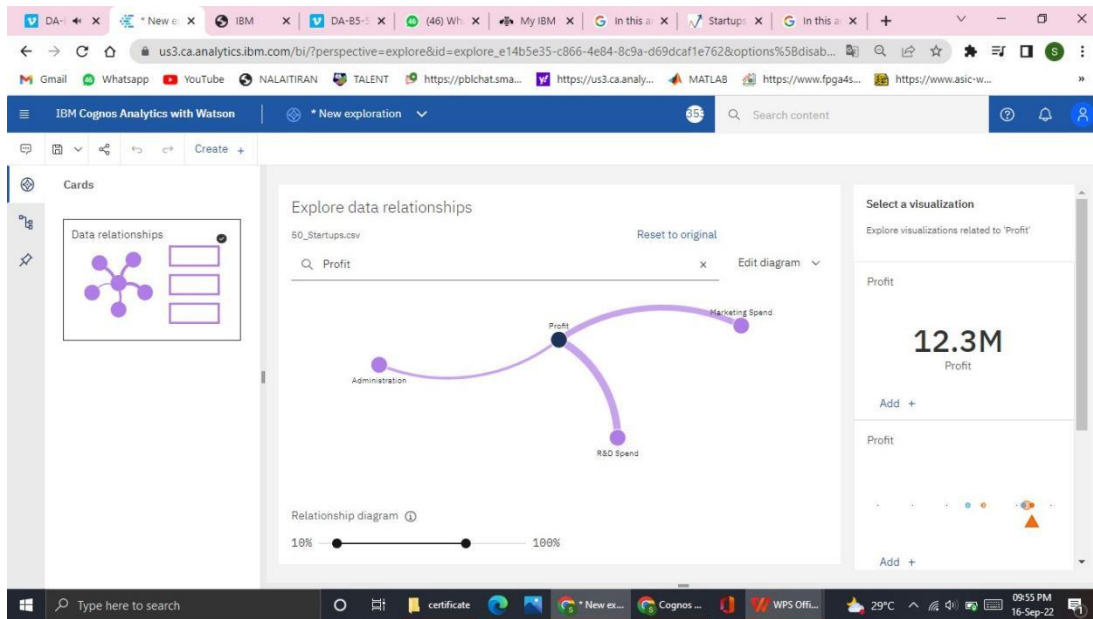
**TEAM ID : PNT2022TMID37134**

**ROLL NO : 310119104048**

**PROJECT : Analytical for hospital health care data**

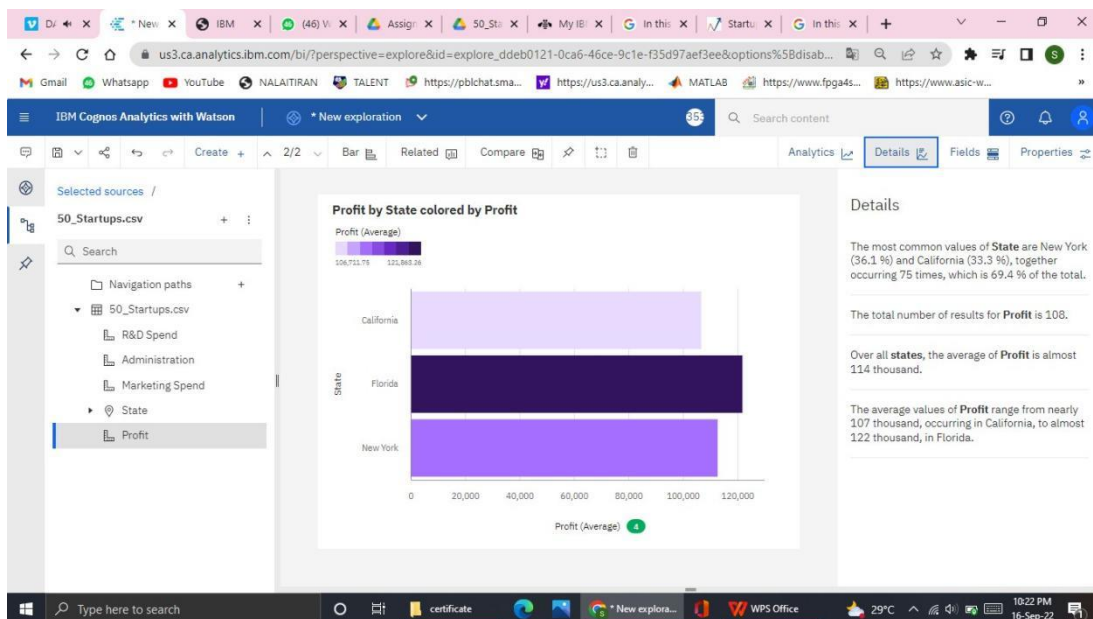
**ASSIGNMENT NO : 01**

**DATA EXPLORATION:**



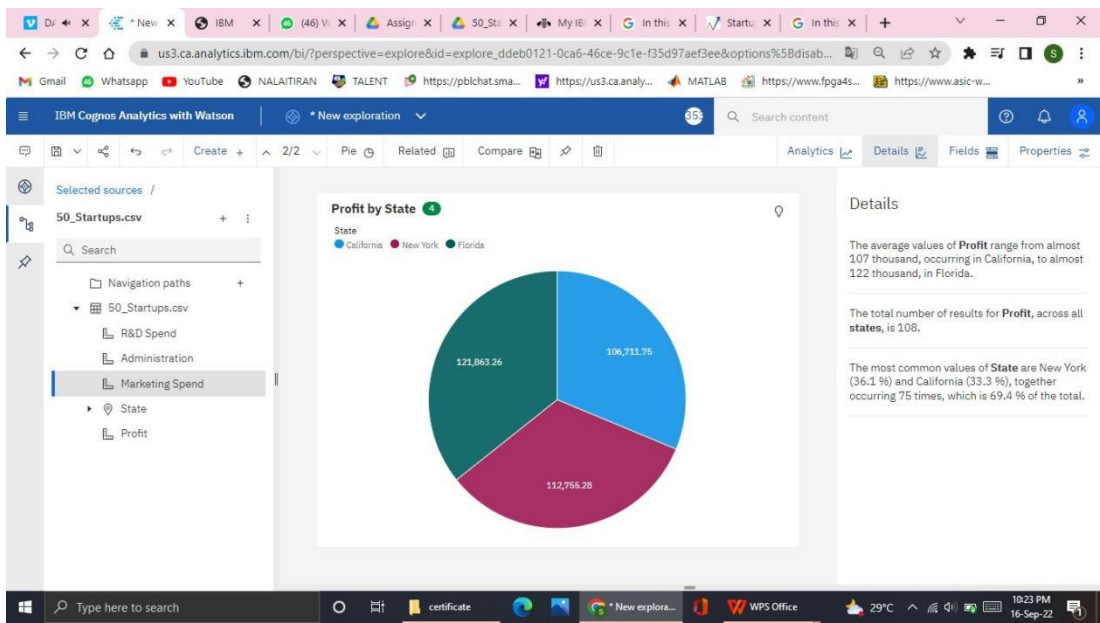
## DATA VISUALIZATION

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



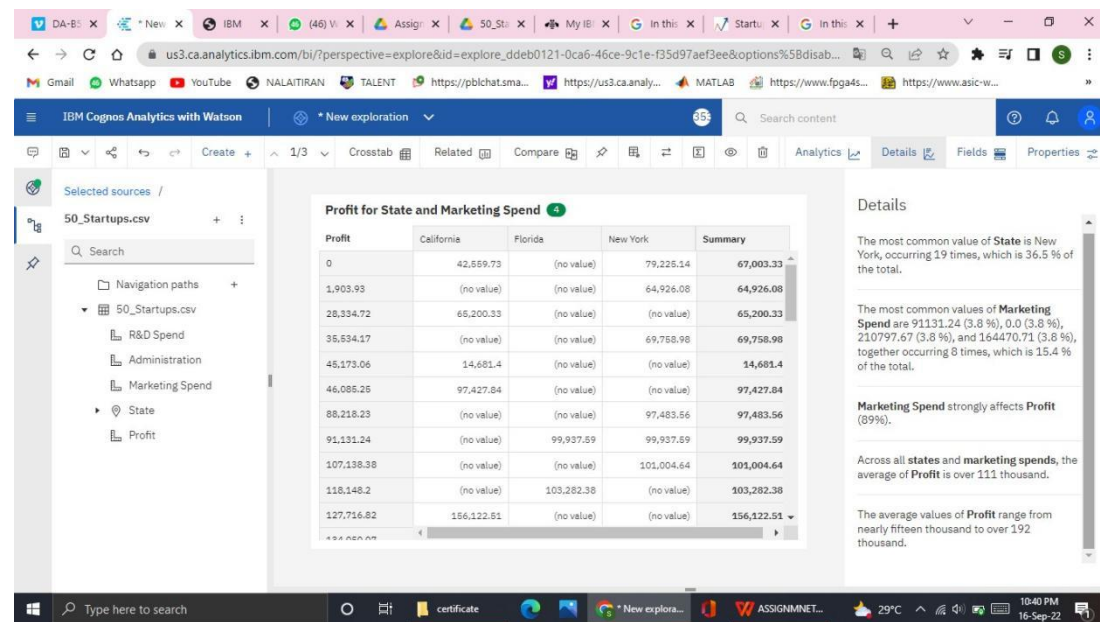
Florida has nearly 122000 profit average.

# Profit by State(PIE CHART)



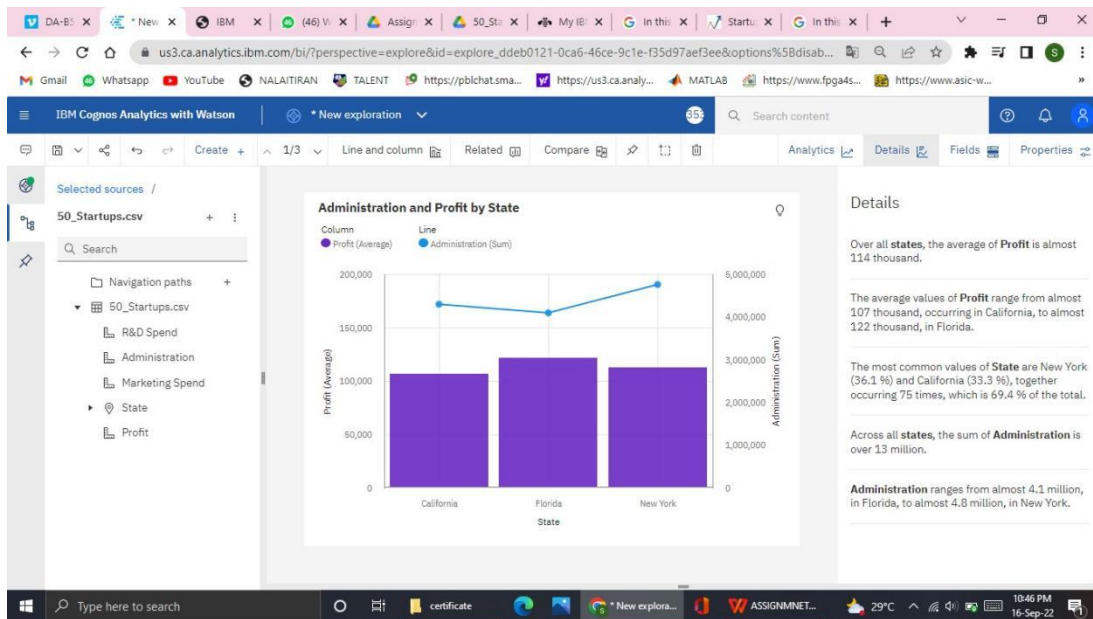
Newyork State has high profit rate when compared to all other states.

# Profit for State and Marketing Spend (CROSS TABLE)

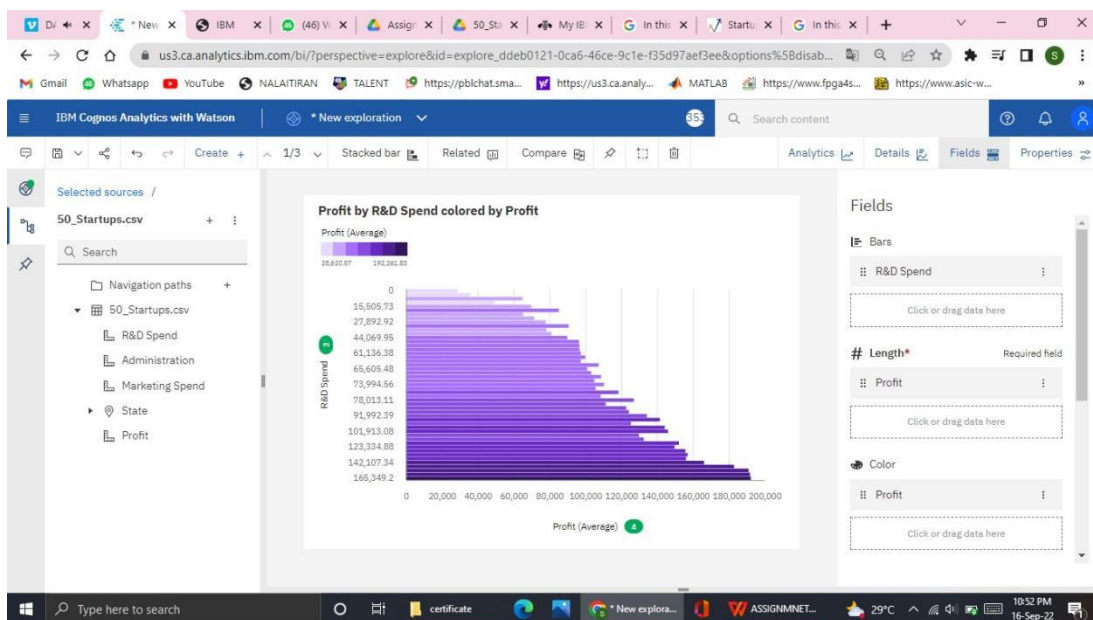


Marketing Spend strongly affects Profit

## Administration and Profit by State ( Line and Column)



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



The screenshot displays the IBM Cognos Analytics interface. The main content area features a line chart titled "Profit by State and Administration". The y-axis is labeled "Profit (Average)" and ranges from 0 to 200,000. The x-axis is labeled "State - Administration" and lists various state-administration combinations, such as California 51283.14, California 91790.61, and New York 12748.05. The chart shows a fluctuating purple line representing profit across these categories. On the left, a sidebar shows the "Selected sources" section with "50\_Startups.csv" and a navigation tree including "R&D Spend", "Administration", "Marketing Spend", "State", and "Profit". On the right, a "Details" panel provides summary statistics: "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.", and "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."