

Assignment -1

Upload, Explore and Visualize the dataset using Cognos Analytics

Assignment Date	10 September 2022
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Maximum Marks	2 Marks

Question-1:

Challenge: Upload the dataset to Cognos Analytics, explore and visualize the dataset

Dataset:

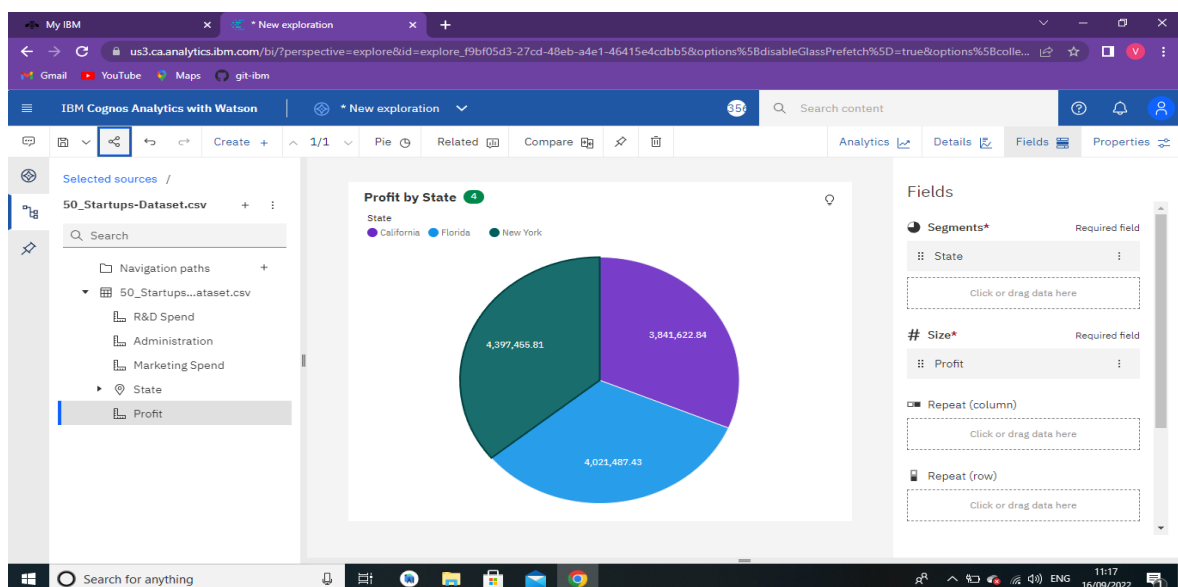
https://drive.google.com/file/d/1000UpJFG8GQjhFztbfG5JP_jvzRgoihr/view

The dataset holds data from **50 startups** in **New York, California, and Florida**. The features in this dataset are **R&D spending, Administration Spending, Marketing Spending, and location features**, while the target variable is: **Profit**

Solution:

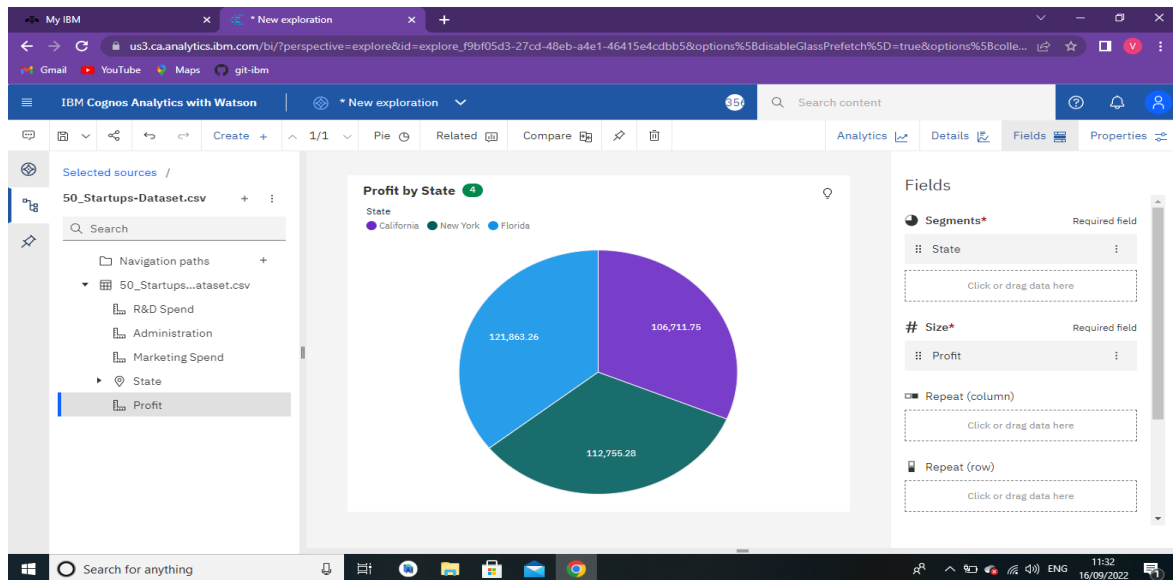
1. Analyzing the Total Profit by Statewise from the given dataset generates the total profit turn over by the startups from each State

Total Profit by State wise:



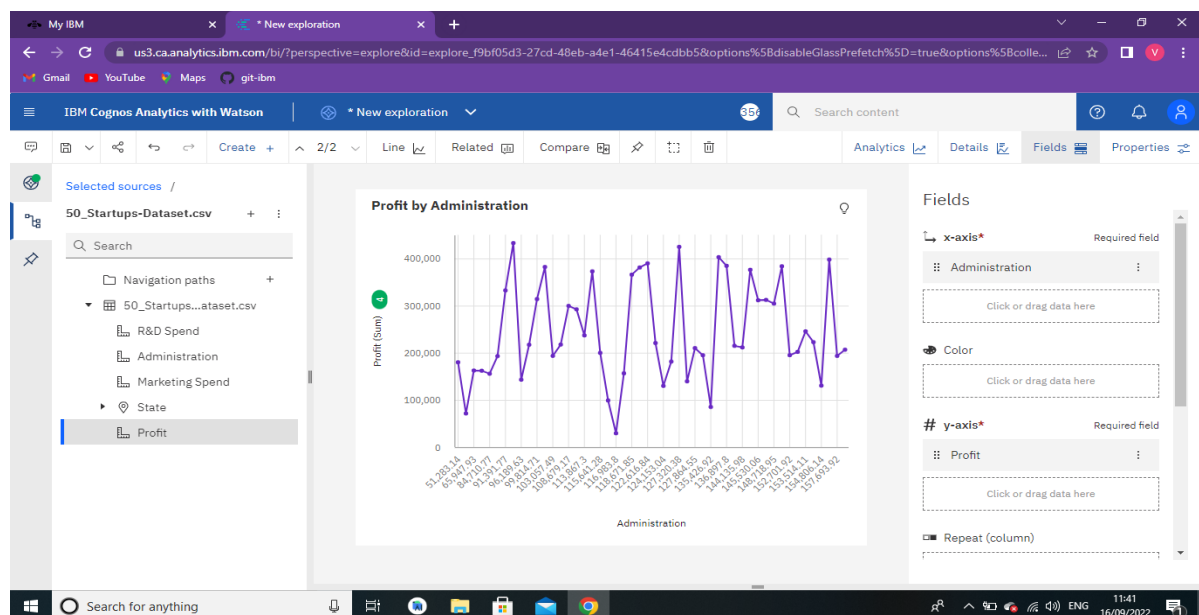
2. Analyzing the Average Profit by Statewise bring about average profit earned by the each State from the given dataset has been determined

Average profit by statewise:



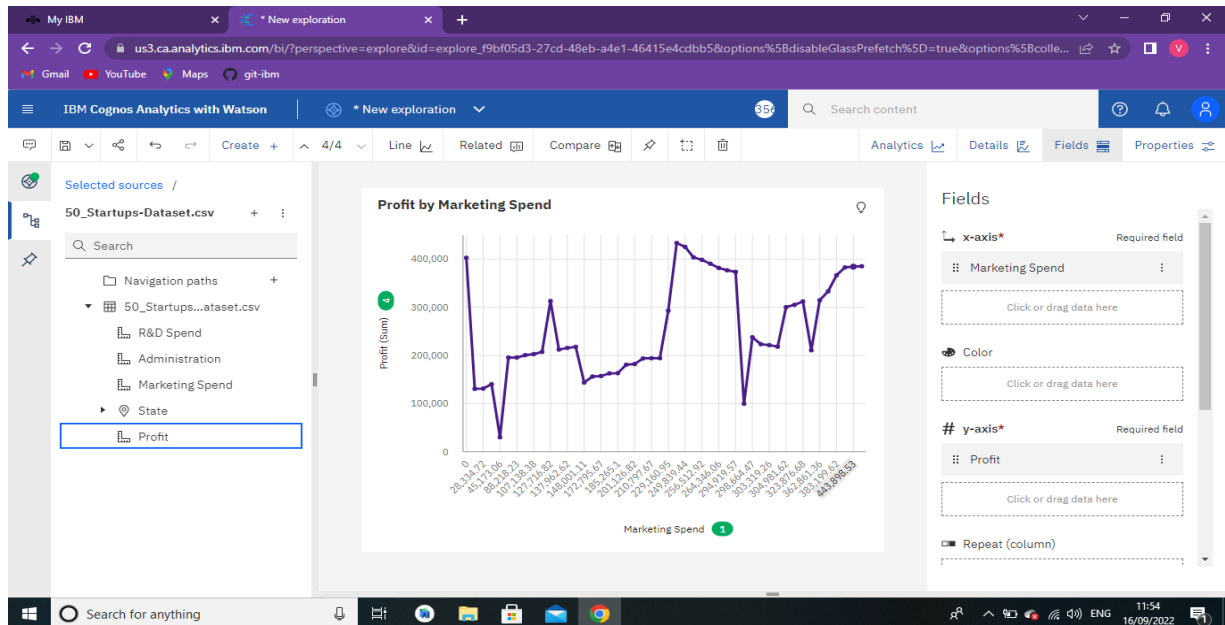
3. Exploring the Administration vs Profit yields the startups to analyze the pathway of target among the amount which has spending on admin panel

Profit level by Administration:



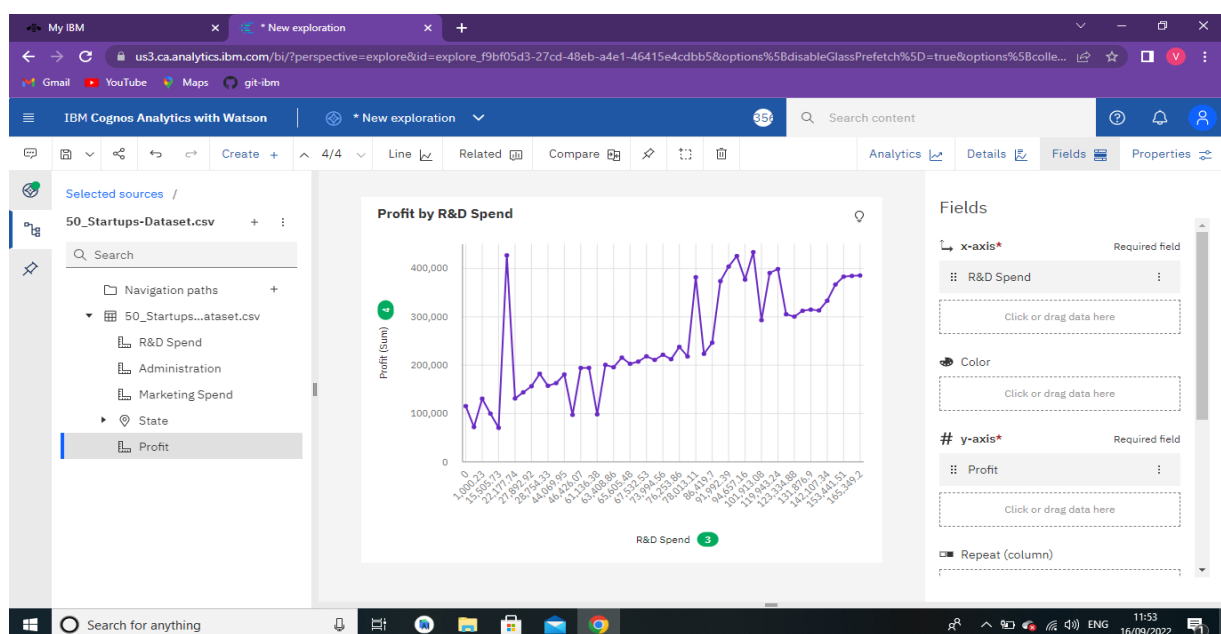
4.Exploring the Marketing Spend vs Profit allows to visualize target levels among the amount which has spending on marketing strategies by startups

Profit level by Marketing spend:



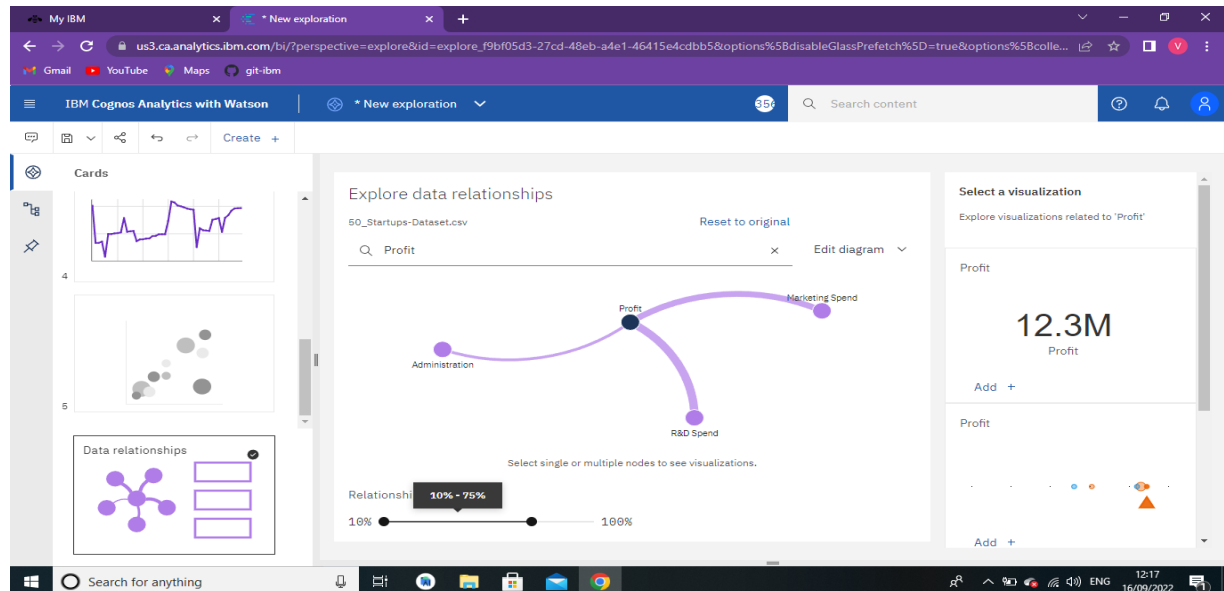
5.Exploring the R&D Spend vs Profit enable startup to track profit status among the amount which has spending on research and development

Profit level by R&D spend:



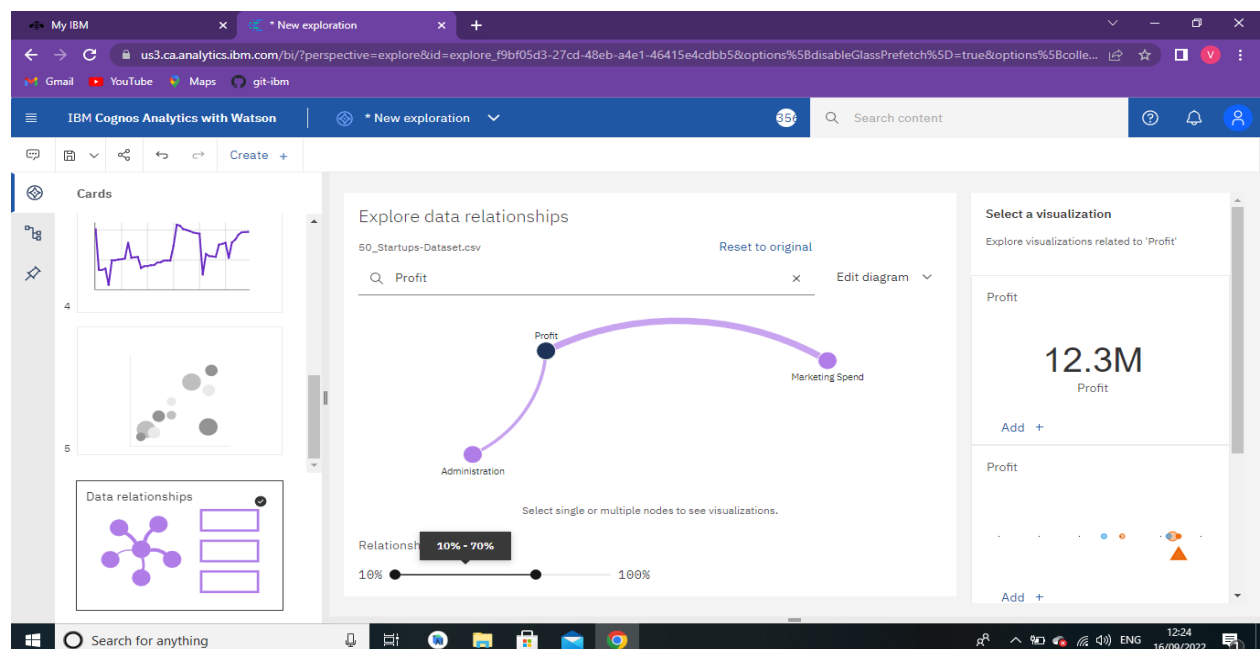
6. By establishing the relationship exploration, the percentage of target which has affected by the various factors from given dataset get visualized

10%-75% profit affected by Administration, Marketing spend, R&D spending:



7. By establishing the relationship exploration, the percentage of target which has affected by the various factors from given dataset get visualized

10%-70% profit affected by Administration, Marketing spending:



8. Through analyzing the maximum profit by Statewise ,startups can explore which state does generate more profit among other states

Maximum Profit by state:

