A NEW HINT TO TRANSPORTATION - ANALYSIS OF THE NYC BIKE SHARE SYSTEM

TASK:

Upload the dataset to Cognos Analytics, Explore and Visualise the 50-startups dataset.

DATASET USED:

This particular dataset holds data from 50 startups in New York, California, and Florida.

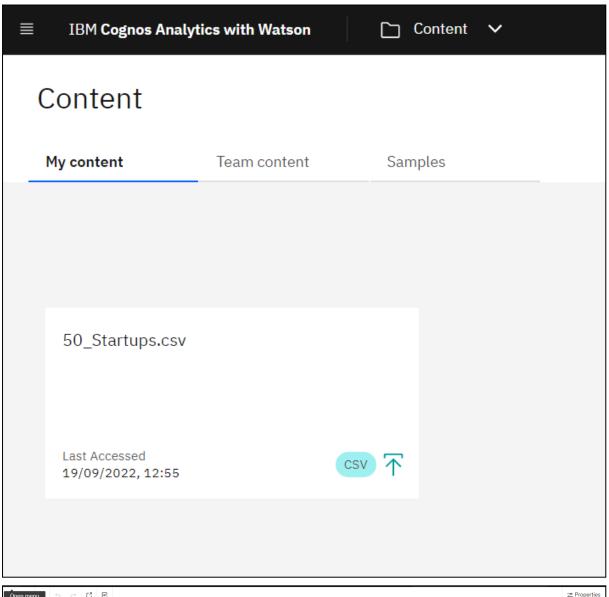
The features in this dataset are R&D spending, Administration Spending, Marketing Spending, and Location features, while the target variable is: Profit.

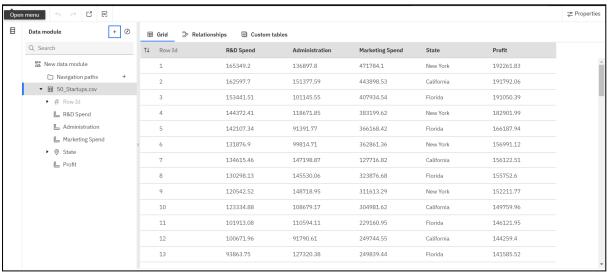
- 1. R&D spending: The amount which startups are spending on Research and development.
- 2. Administration spending: The amount which startups are spending on the Admin panel.
- 3. Marketing spending: The amount which startups are spending on marketing strategies.
- 4. State: To which state that particular startup belongs.
- 5. Profit: How much profit that particular startup is making.

SOLUTION:

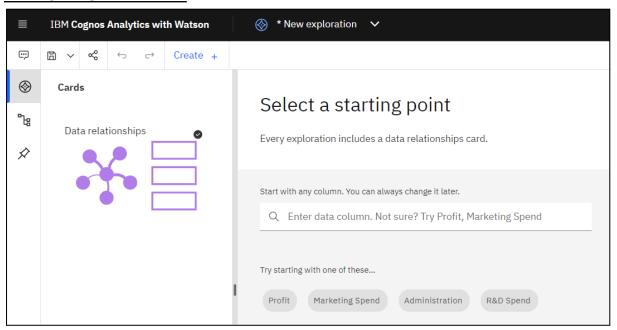
UPLOADING THE DATA:





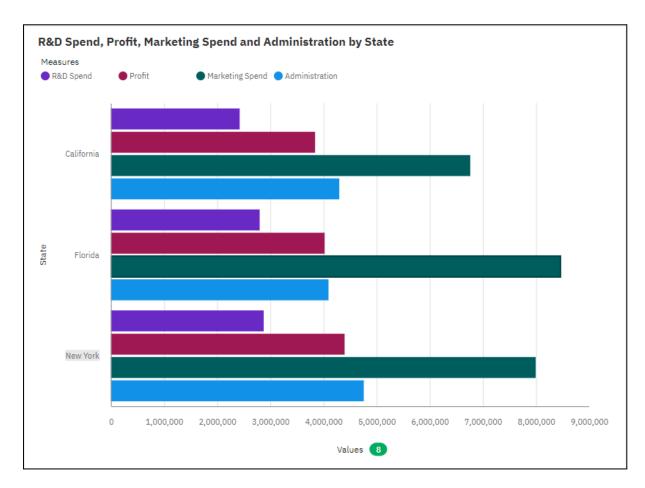


EXPLORING THE DATA:

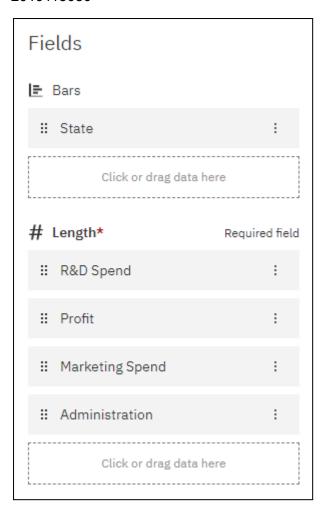


Visualization #1 (Bar Chart):

Visualizing the marketing spend, R&D spend, Profit and Administration costs for 3 states in the USA. (Helps understand and compare the expenditure of various fields)

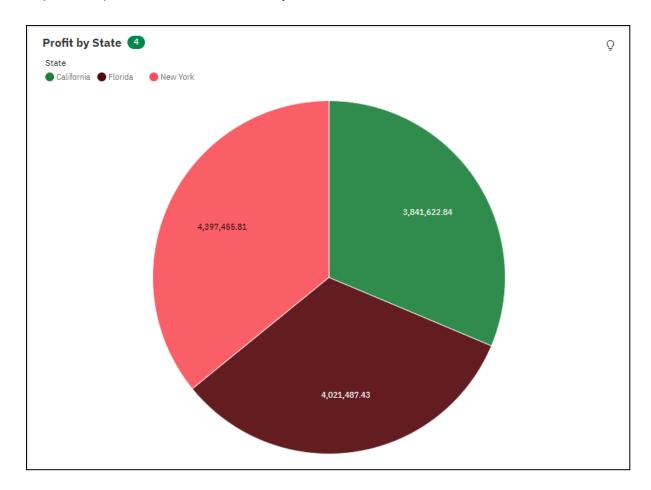


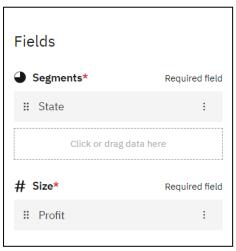
Rohit P 2019115080



Visualization #2 (Pie Chart):

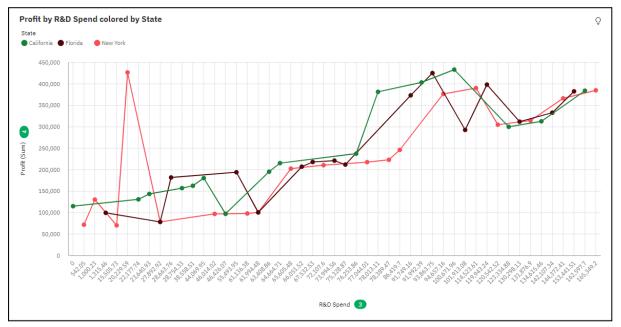
Represents profits of the states relatively

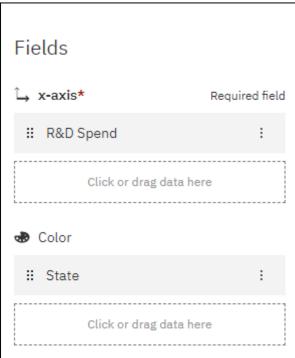




Visualization #3 (Line chart):

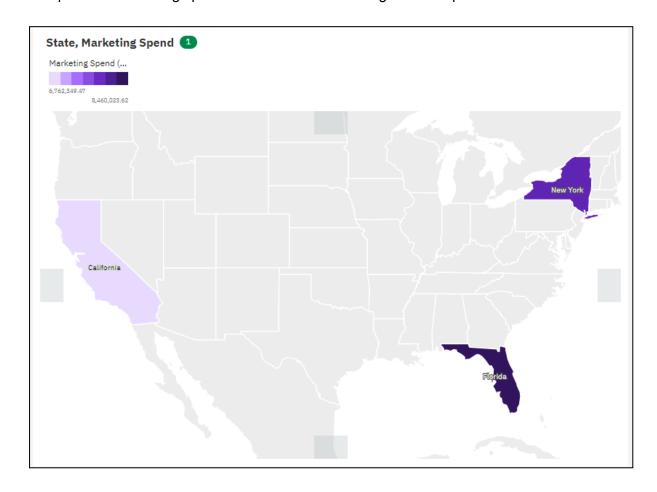
This visualization provides insight into the profit made by comparing it with the Marketing Spend - for the startups in all three states as indicated by different colored lines.

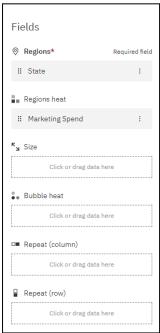




Visualization #4 (Geospatial visualization):

Compare the marketing spends of different states using a heatmap

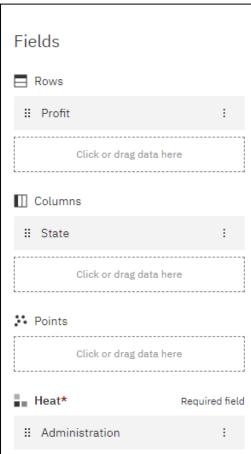




Visualization #5 (Heat map):

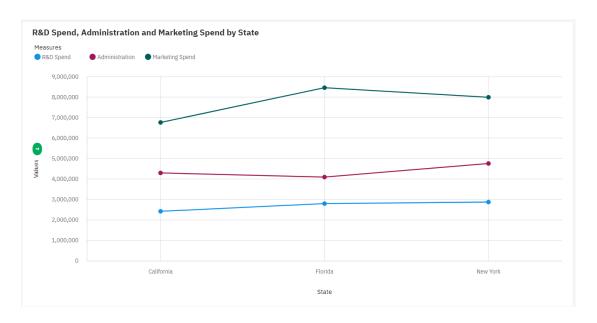
This visualization represents a heatmap that bases its gradient color on the profit earned - Statewise with regards to Administration spending of companies in each state.





Visualization #6 (Line chart):

This visualization represents the average count of each expenditure for a startup - Marketing spend, Administration, and R&D Spend - mapped state-wise.



Fields

