# ASSIGNMENT - 1 DATA ANALYTICS EXPLORATION AND VISUALIZATION OF DATASET

Assignment Date	08 September 2022
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Student Roll Number	510119205012
Maximum Marks	2 Marks

## **QUESTION:**

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

#### **PROBLEM DESCRIPTION:**

## Dataset:50\_Startups.csv

https://drive.google.com/file/d/1000UpJFG8GQjhFztbfG5JP\_jvzRgoihr/view?usp=sharing

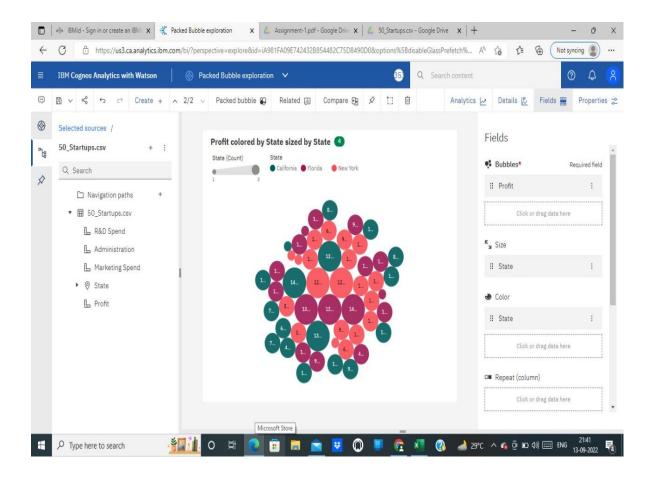
# About the 50 startups dataset

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.

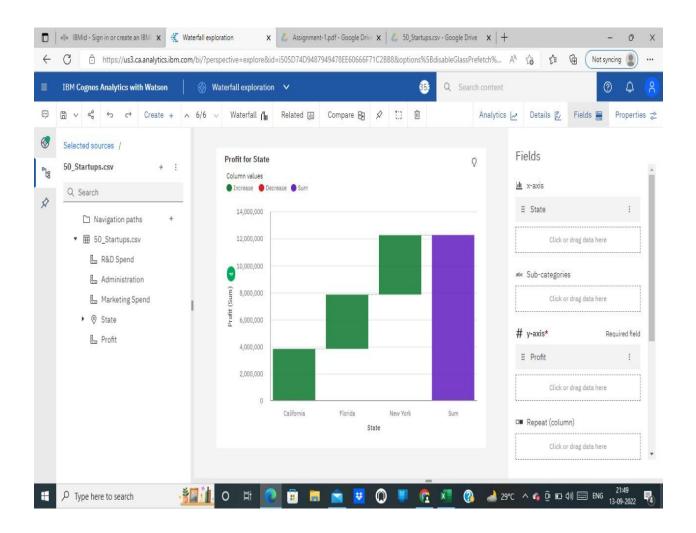
- 1. R&D spending: The amount which startups are spending on Research and development.
- 2. Administration spending: The amount which startups are spending on the Admin panel.
- 3. Marketing spending: The amount which startups are spending on marketing strategies.
- 4. State: To which state that particular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

# **SOLUTION:** THE VARIOUS EXPLORATION AND VISUALIZATION OF DATASET ARE AS FOLLOWS

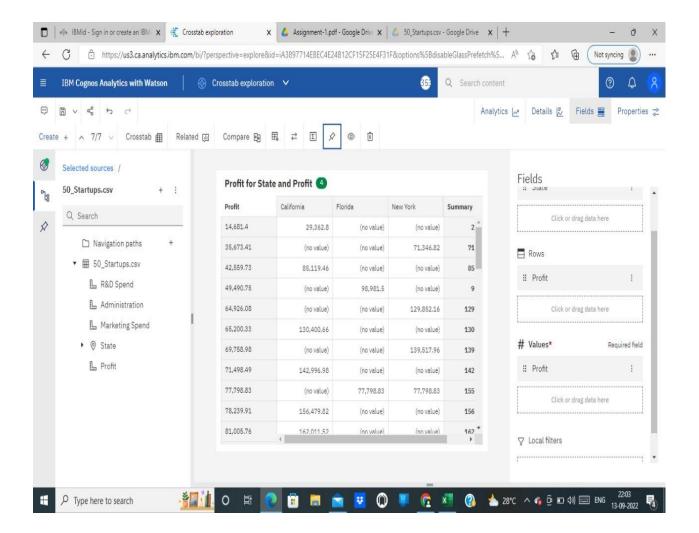
#### 1. PACKED BUBBLE EXPLORATION



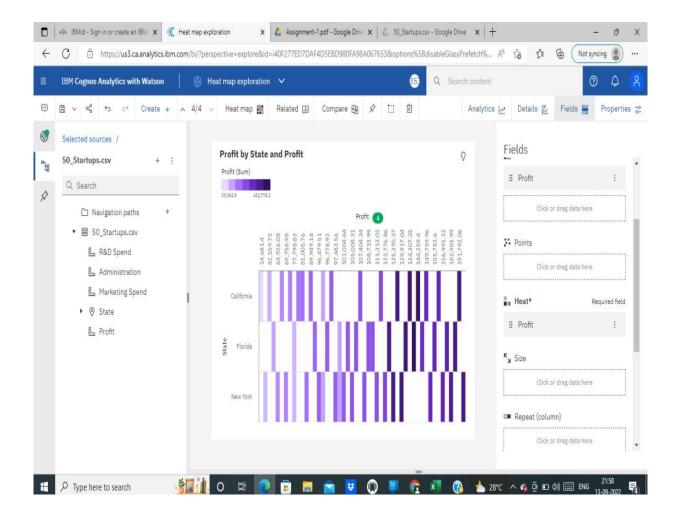
# 2.WATERFALL EXPLORATION



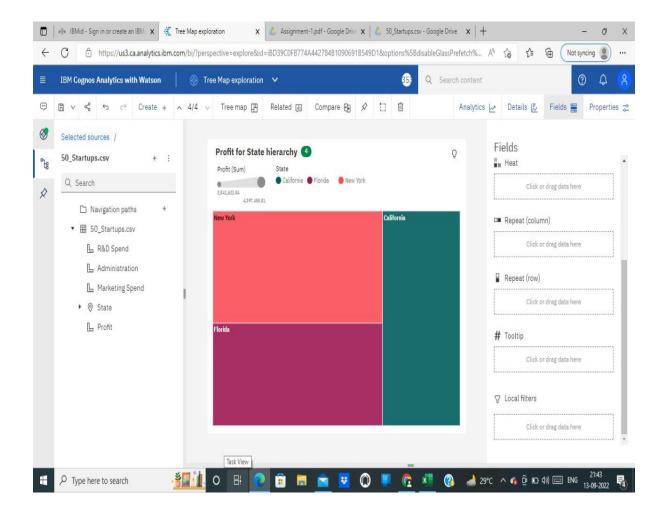
#### 3.CROSSTAB EXPLORATION



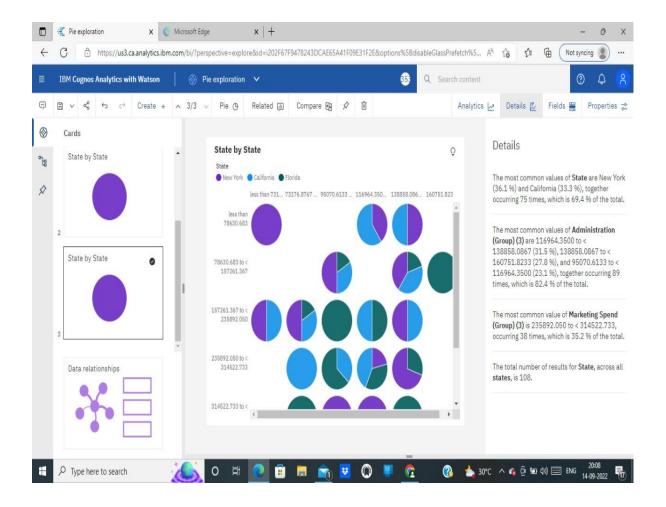
## 4.HEAP MAP EXPLORATION



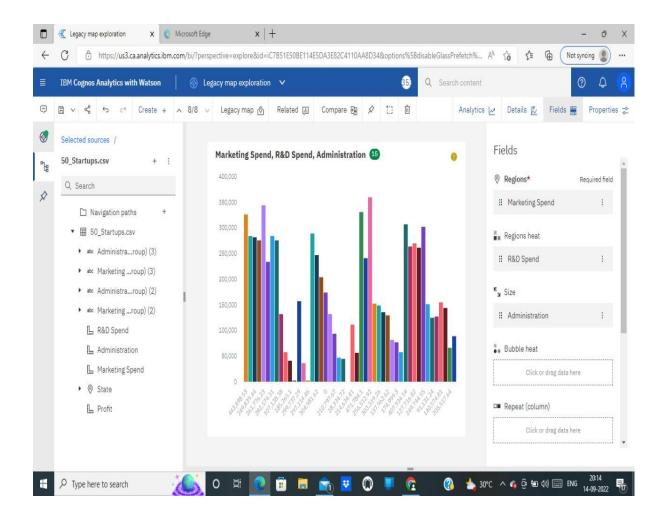
## 5. TREE MAP EXPLORATION



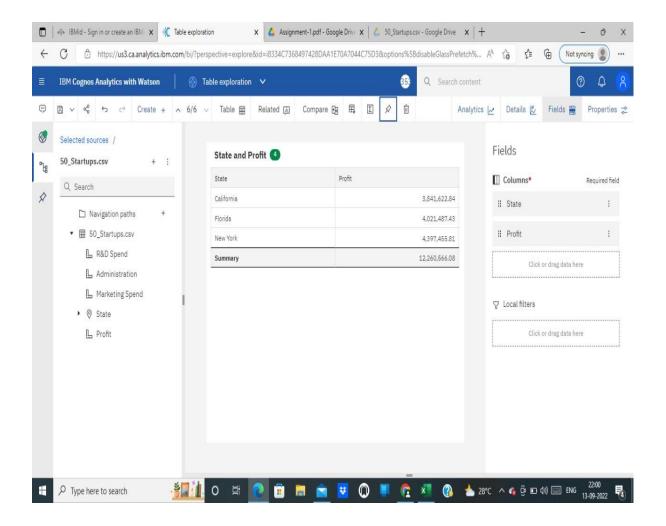
## 6. PIE EXPLORATION



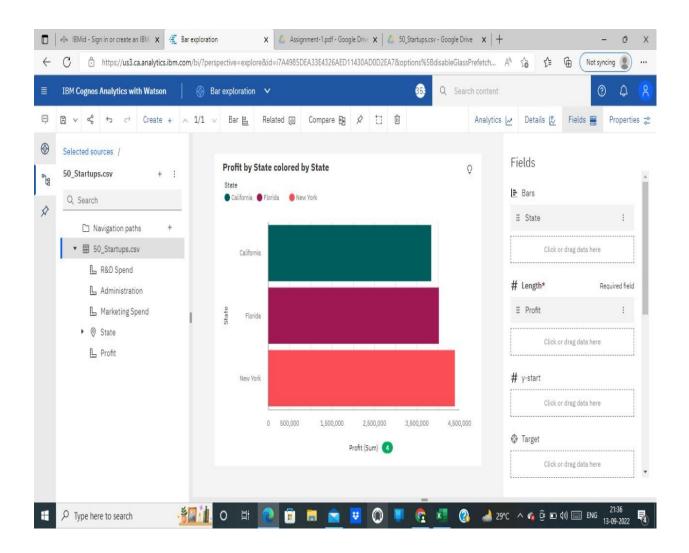
# 7. LEGACY MAP EXPLORATION



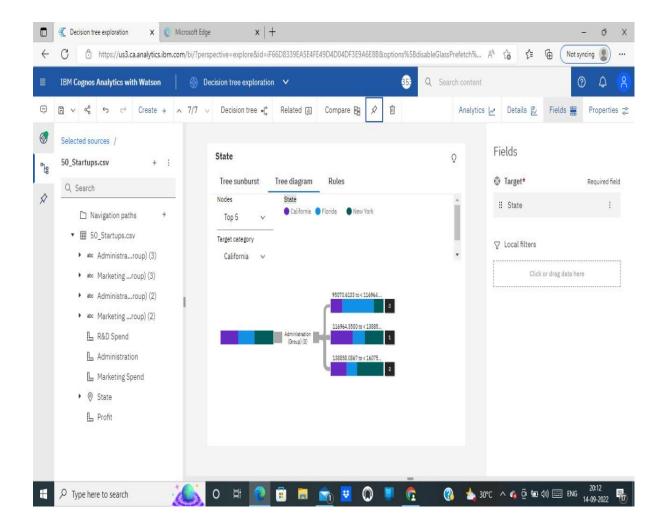
## 8. TABLE EXPLORATION



## 9. BAR EXPLORATION



# 10. DECISION TREE EXPLORATION



## 11. NETWORK EXPLORATION

