

Assignment 1

Title : retail store stock inventory analytics

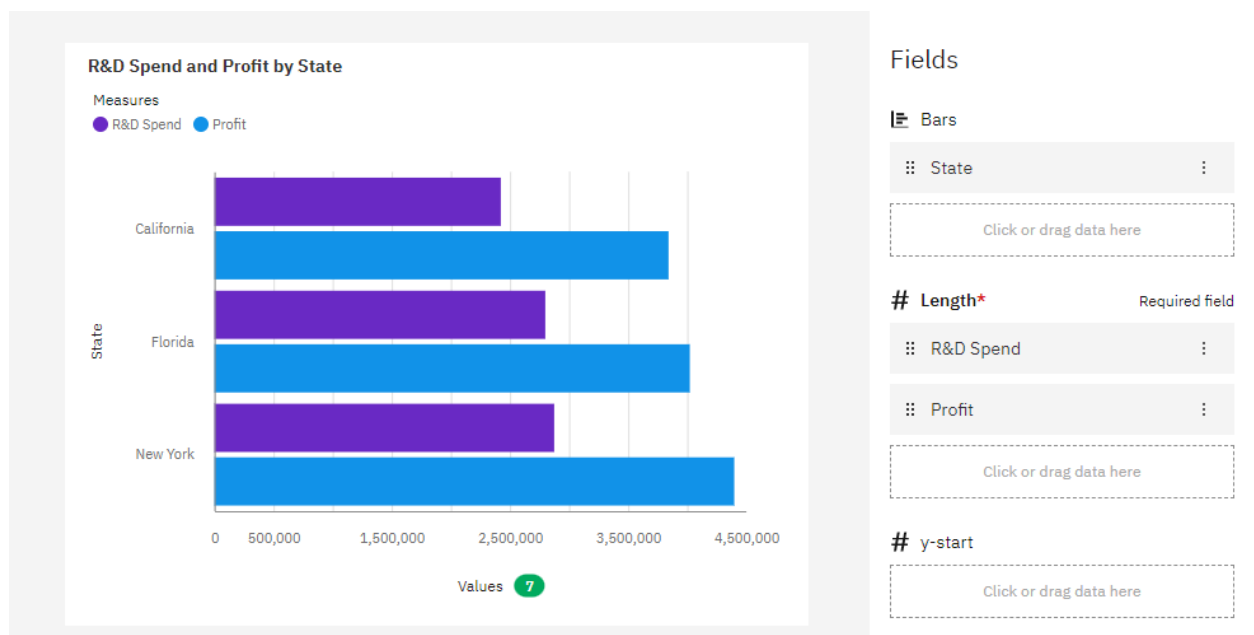
Team members : 718019L216, 718019L245, 718019L244, 718019L213

My Roll no : 718019L213

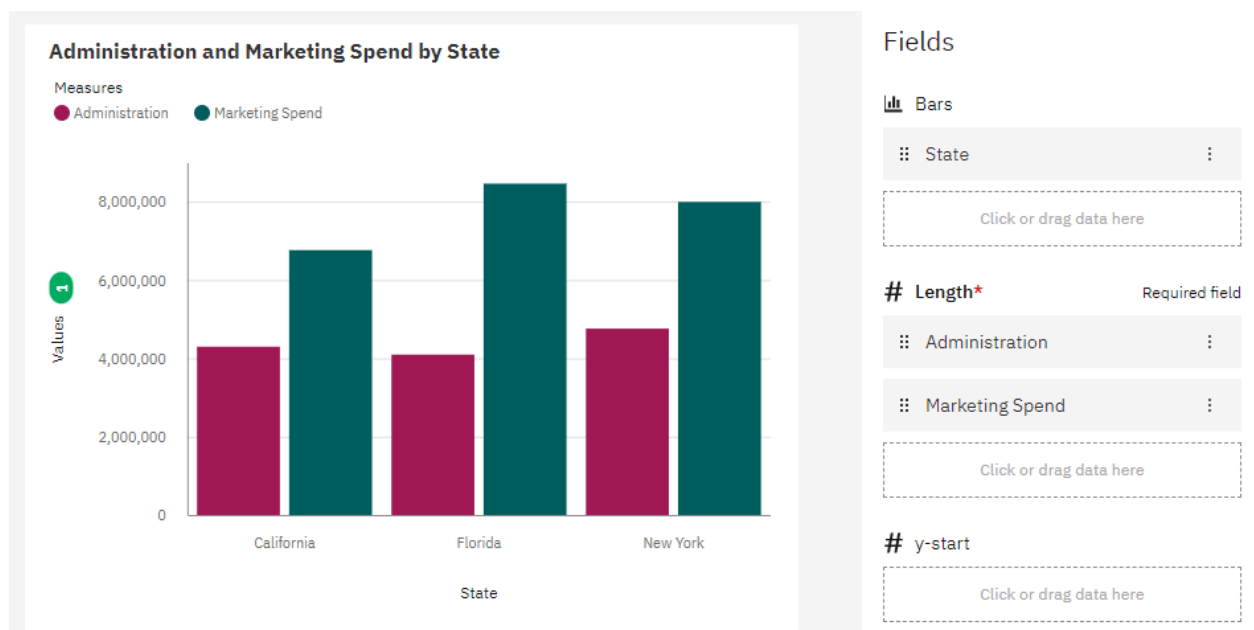
Dataset : 50_startup

Visualizations :

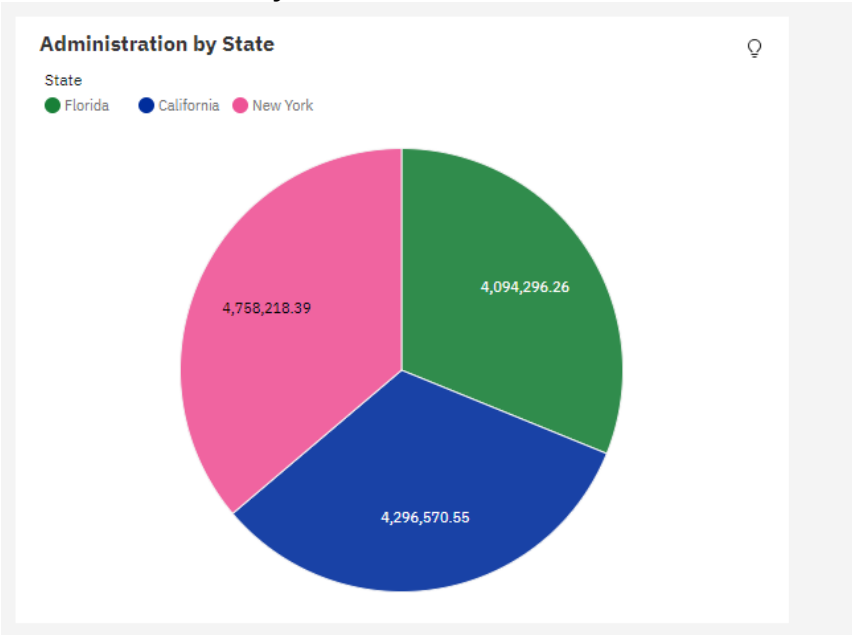
R&D spend and profit by state :



Administration and marketing spend by state :



Administration by state :



Fields

Segments* Required field

State

Click or drag data here

Size* Required field

Administration

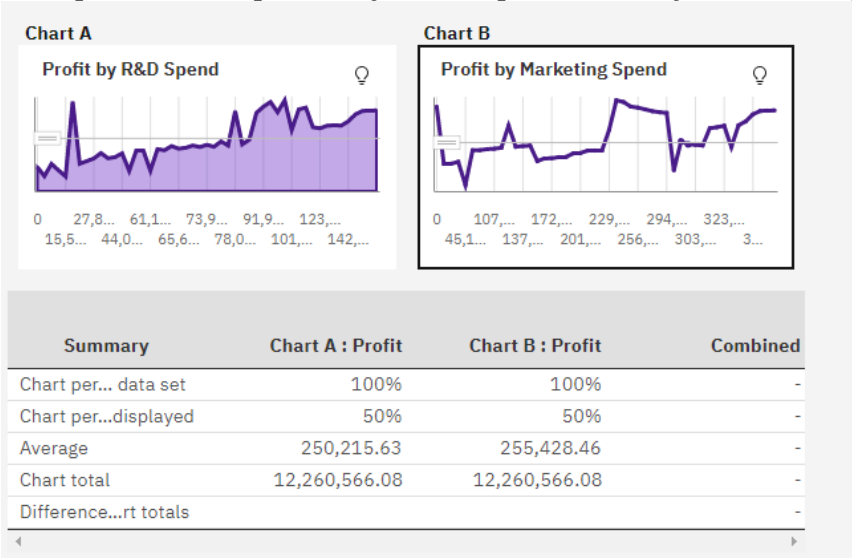
Repeat (column)

Click or drag data here

Repeat (row)

Click or drag data here

Comparison on profit by R&D spend and by Marketing spend :



Fields

x-axis* Required field

Marketing Spend

Click or drag data here

Color

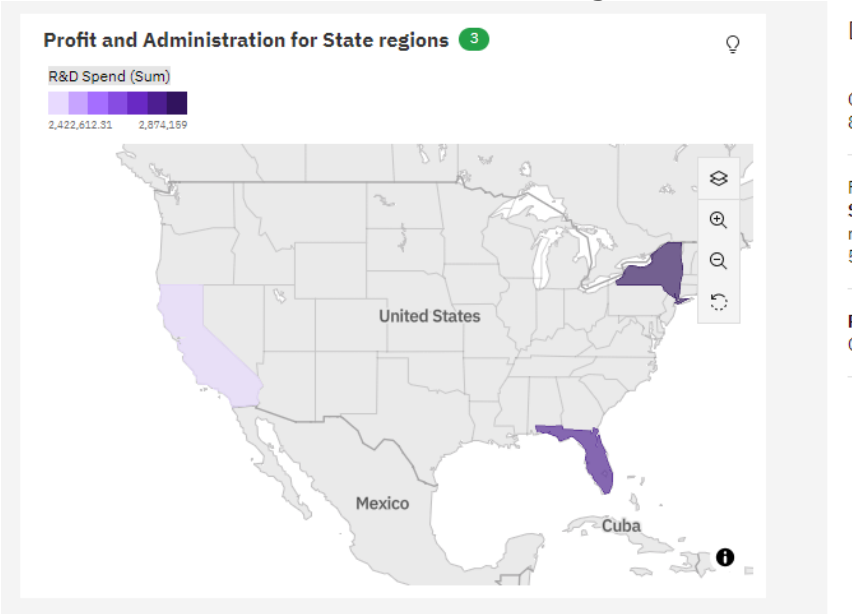
Click or drag data here

y-axis* Required field

Profit

Click or drag data here

Profit and administration for state regions :



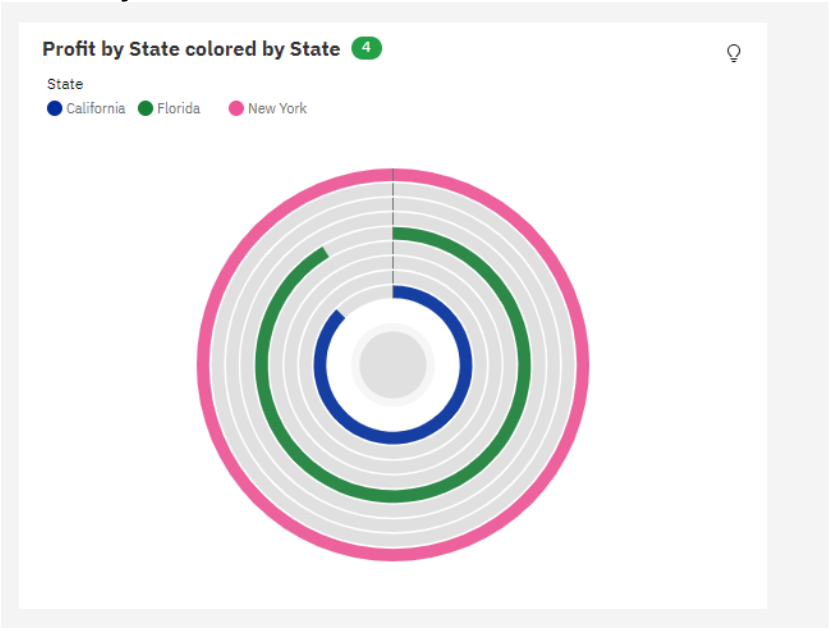
Details

Over all **states**, the sum of **R&D Spend** is almost 8.1 million.

For **R&D Spend**, the most significant values of **State** are New York and Florida, whose respective **R&D Spend** values add up to nearly 5.7 million, or 70.1 % of the total.

R&D Spend ranges from over 2.4 million, in California, to almost 2.9 million, in New York.

Profit by colored state :



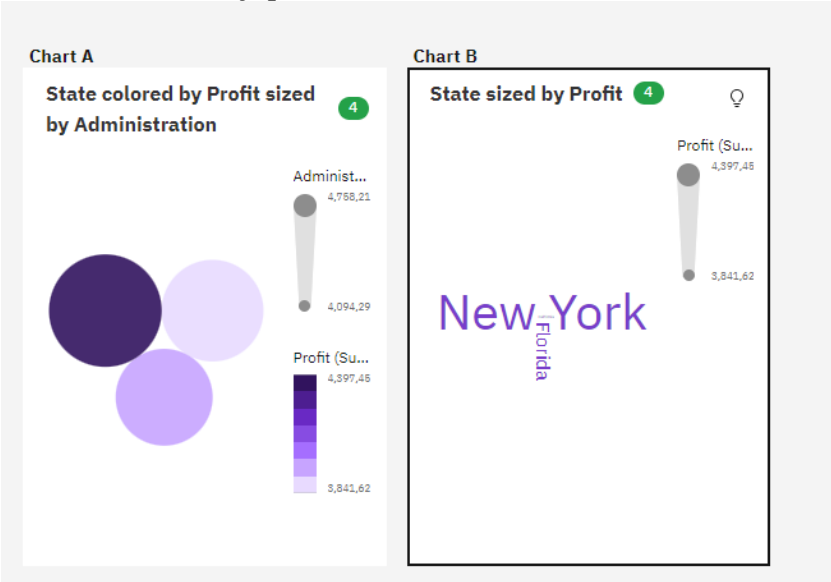
Details

For **Profit**, the most significant value of **State** is New York, whose respective **Profit** values add up to nearly 4.4 million, or 35.9 % of the total.

Across all **states** and **states**, the sum of **Profit** is over 12 million.

The summed values of **Profit** range from over 3.8 million to almost 4.4 million.

State colored by profit sized and administration and state sized by profit :

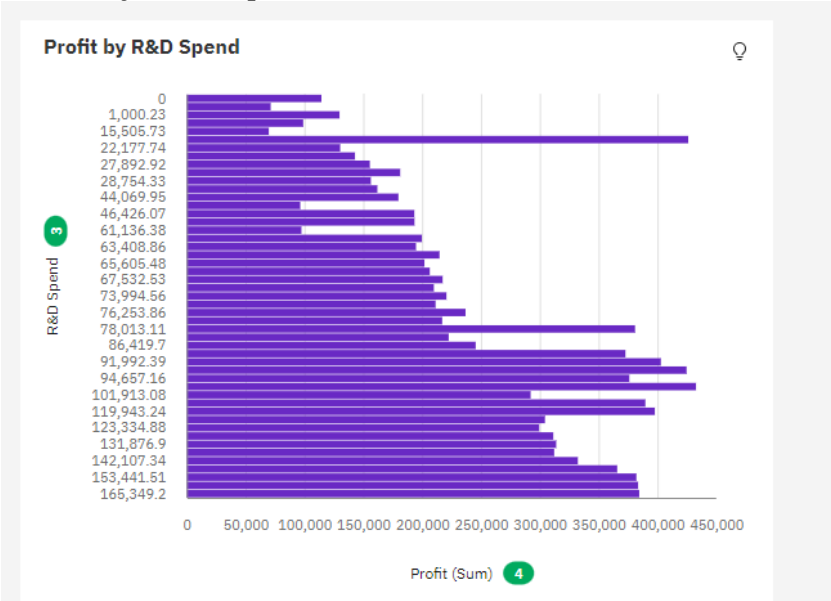


Details

Across all **states**, the sum of **Profit** is over 12 million.

Profit ranges from over 3.8 million, in California, to nearly 4.4 million, in New York.

Profit by R&D spend :



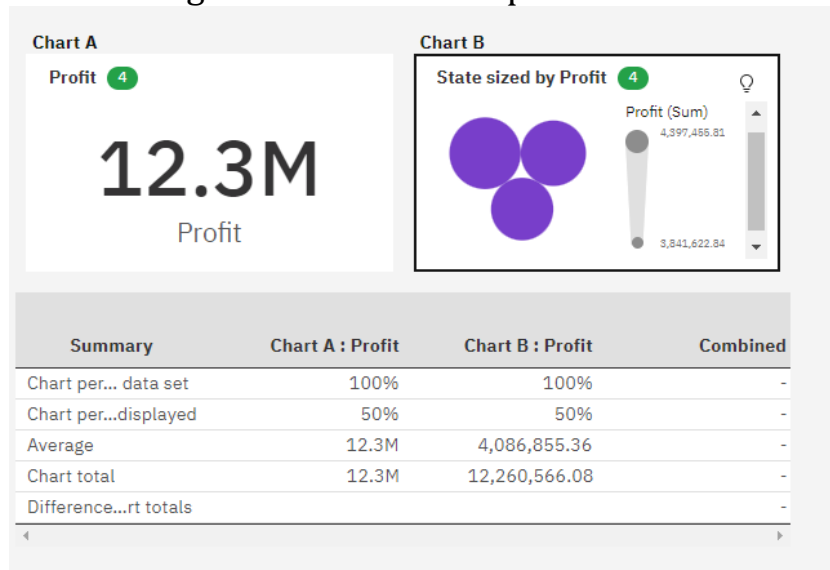
Details

Across all **r&d spends**, the sum of **Profit** is over 12 million.

For **Profit**, the most significant values of **R&D Spend** are 100671.96, 20229.59, and 93863.75, whose respective **Profit** values add up to nearly 1.3 million, or 10.5 % of the total.

Profit ranges from nearly 70 thousand, when **R&D Spend** is 15505.73, to almost 433 thousand, when **R&D Spend** is 100671.96.

Profit rating and state sized on profit

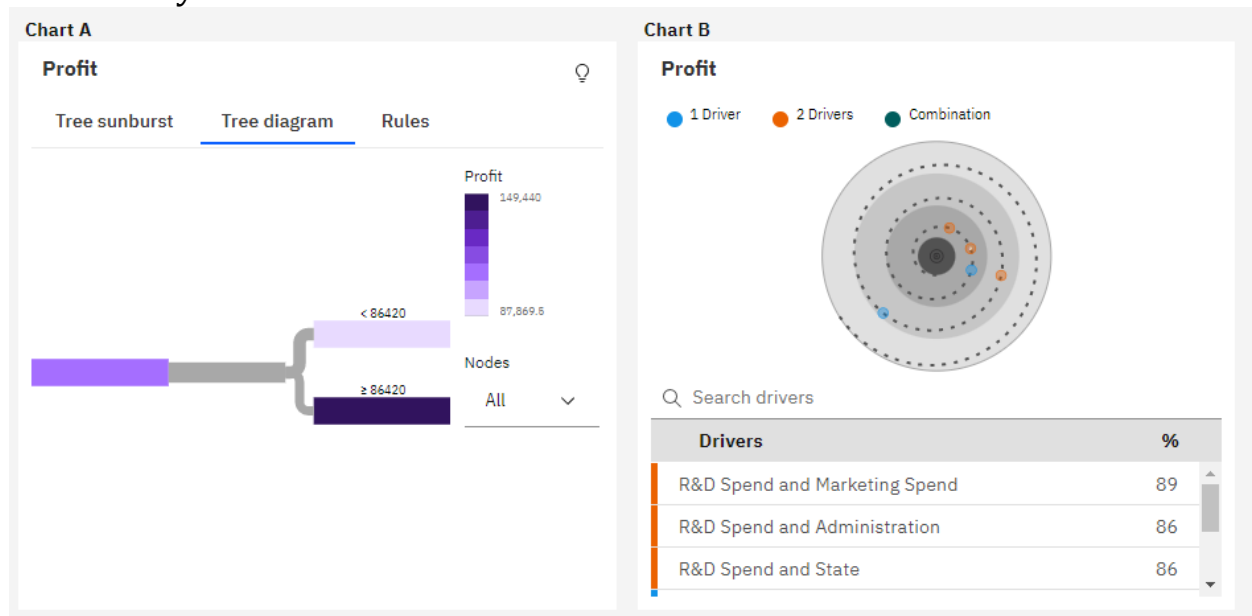


Details

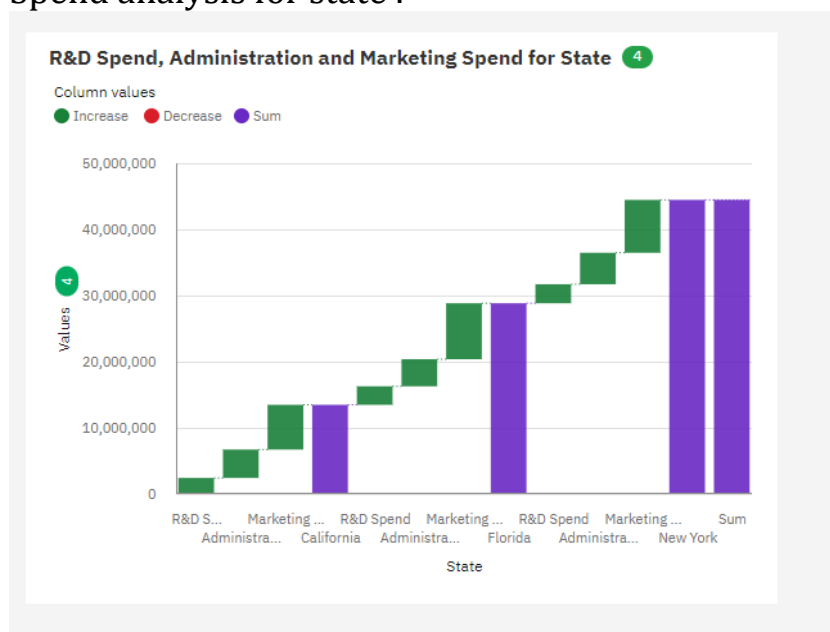
Across all **states**, the sum of **Profit** is over 12 million.

Profit ranges from over 3.8 million, in California, to almost 4.4 million, in New York.

Profit analysis :



Spend analysis for state :



Details

The total number of results for **Marketing Spend**, across all **states**, is 108.

Over all **states**, the average of **Marketing Spend** is almost 215 thousand.

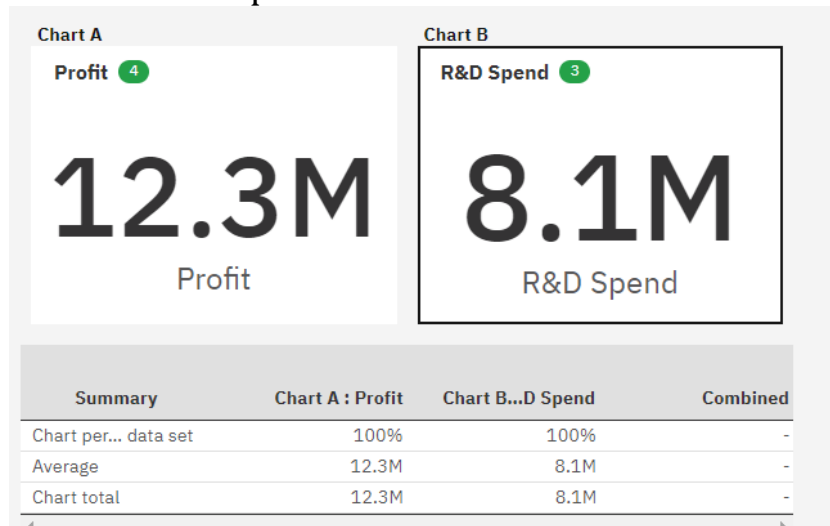
The most common values of **State** are New York (36.1 %) and California (33.3 %), together occurring 75 times, which is 69.4 % of the total.

The total number of results for **Profit**, across all **states**, is 108.

Over all **states**, the average of **Profit** is nearly 114 thousand.

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

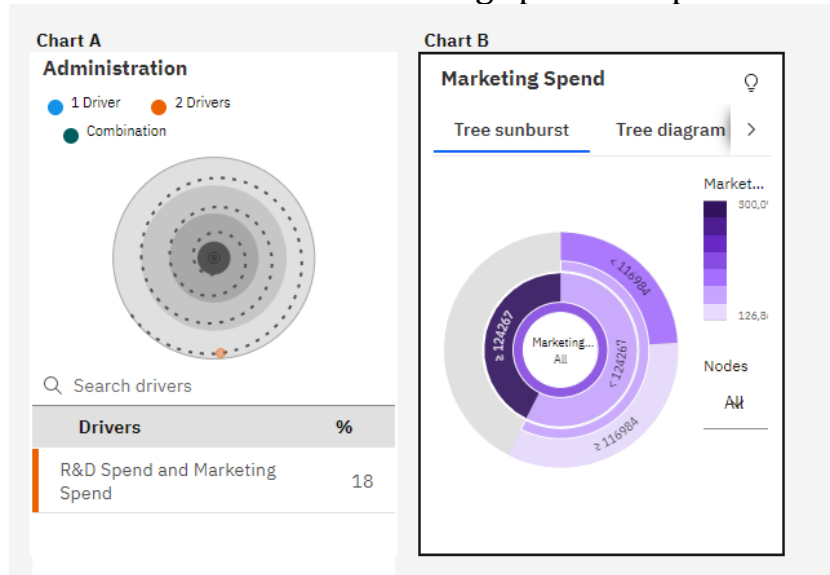
Profit vs R&D spend :



Details

The total number of results for **R&D Spend** is 108.

Administration and marketing speed comparison :



Fields

Target* Required field

Marketing Spend

Local filters

Click or drag data here

https://us1.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2FAssignment1&subView=model0000018360f53856_00000000

End of assignment.