

# Assignment-1

## Explore data relationships

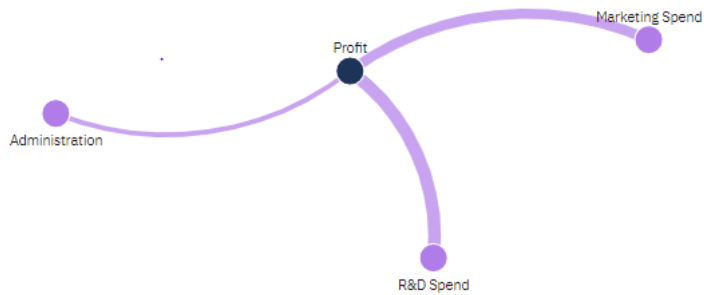
50\_Startups.csv

Reset to original

Q Profit

x

Edit diagram



Relationship diagram ⓘ

## Select a visualization

Explore visualizations related to 'Profit'

Profit

12.3M

Profit

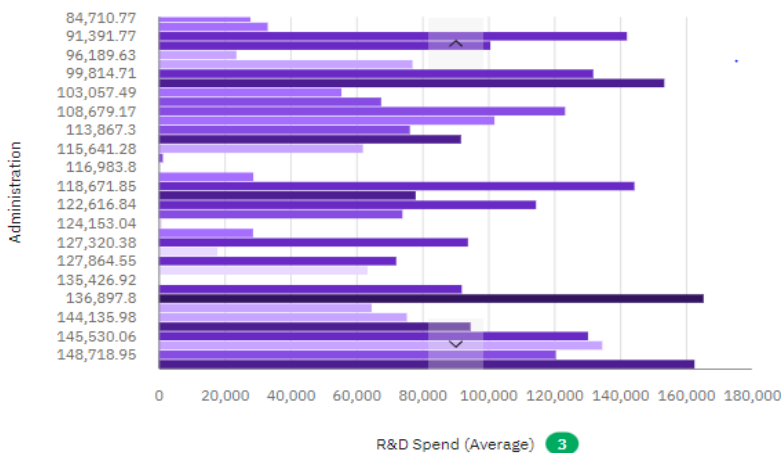
Add +

Profit



## R&D Spend by Administration colored by Marketing Spend 1

Marketing Spend (...)



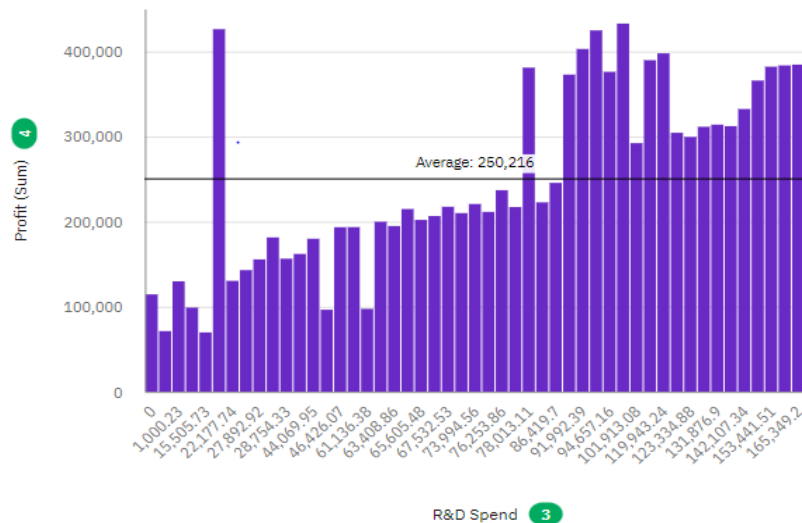
## Details

Over all **administrations**, the average of **R&D Spend** is nearly 75 thousand.

The average values of **R&D Spend** range from 0, occurring when **Administration** is 116983.8, to over 165 thousand, when **Administration** is 136897.8.

The most common values of **Administration** are 127320.38 (2.8 %), 122616.84 (2.8 %), 145077.58 (2.8 %), 114175.79 (2.8 %), and 121597.55 (2.8 %), together occurring 15 times, which is 13.9 % of the total.

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 almost 1.3 million, or 10.5 % of the total.

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

Profit for R&D Spend and Marketing Spend 8

| Profit     | 0          | 542.05     | 1,000.23   | 1,315.46 |
|------------|------------|------------|------------|----------|
| 0          | 85,119.46  | 71,346.82  | (no value) | (no v    |
| 1,903.93   | (no value) | (no value) | 129,852.16 | (no v    |
| 28,334.72  | (no value) | (no value) | (no value) | (no v    |
| 35,534.17  | (no value) | (no value) | (no value) | (no v    |
| 45,173.06  | 29,362.8   | (no value) | (no value) | (no v    |
| 46,085.25  | (no value) | (no value) | (no value) | (no v    |
| 88,218.23  | (no value) | (no value) | (no value) | (no v    |
| 91,131.24  | (no value) | (no value) | (no value) | (no v    |
| 107,138.38 | (no value) | (no value) | (no value) | (no v    |
| 118,148.2  | (no value) | (no value) | (no value) | (no v    |
| 127,716.82 | (no value) | (no value) | (no value) | (no v    |

## Details

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 almost 1.3 million, or 10.5 % of the total.

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

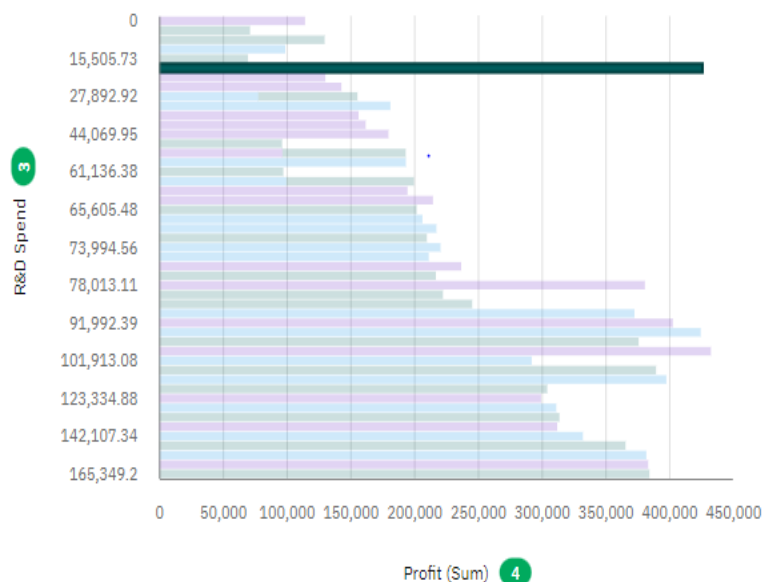
For **Profit**, the most significant values of **Marketing Spend** are 249744.55 and 249839.44, whose respective **Profit** values add up to almost 858 thousand, or 7 % of the total.

The summed values of **Profit** range from over 29 thousand to almost 433 thousand.

### Profit by R&D Spend colored by State

State

California Florida New York



### Details

Across all **r&d spends** and **states**, 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.

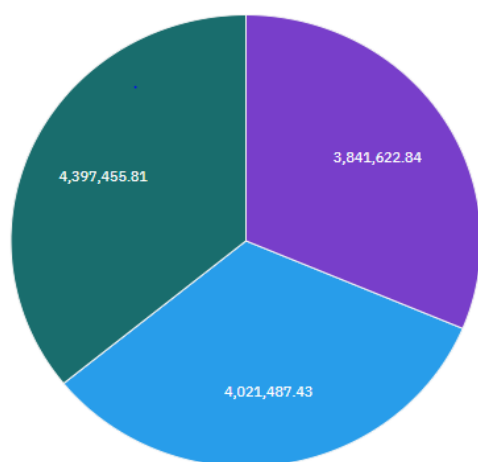
For **Profit**, the most significant value of **State** is New York, whose respective **Profit** values add up to nearly 4.4 million, or 35.9 % of the total.

The summed values of **Profit** range from almost 70 thousand to almost 433 thousand.

### Profit by State 4

State

California Florida New York



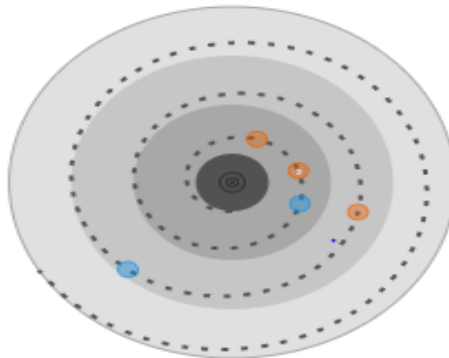
### Details

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

1 Driver 2 Drivers Combination

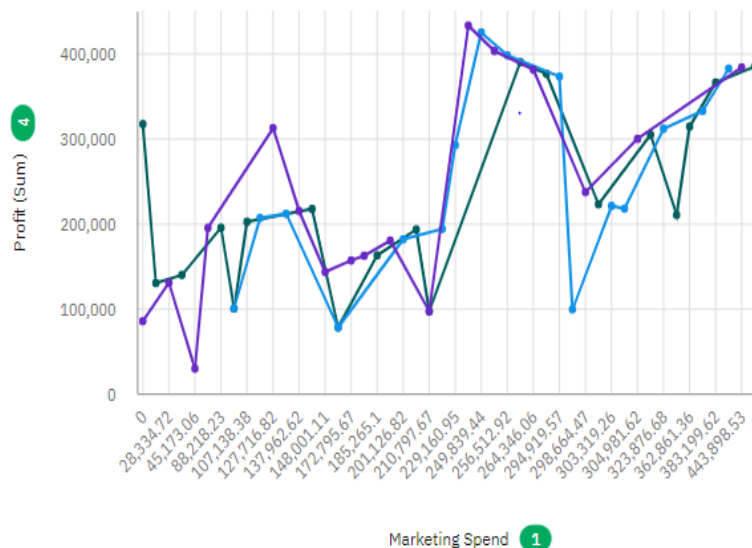


Search drivers

| Drivers                       | %  |
|-------------------------------|----|
| R&D Spend and Marketing Spend | 89 |
| R&D Spend and Administration  | 86 |
| R&D Spend and State           | 86 |
| R&D Spend                     | 84 |

## Profit by Marketing Spend colored by State

State  
California Florida New York



## Details

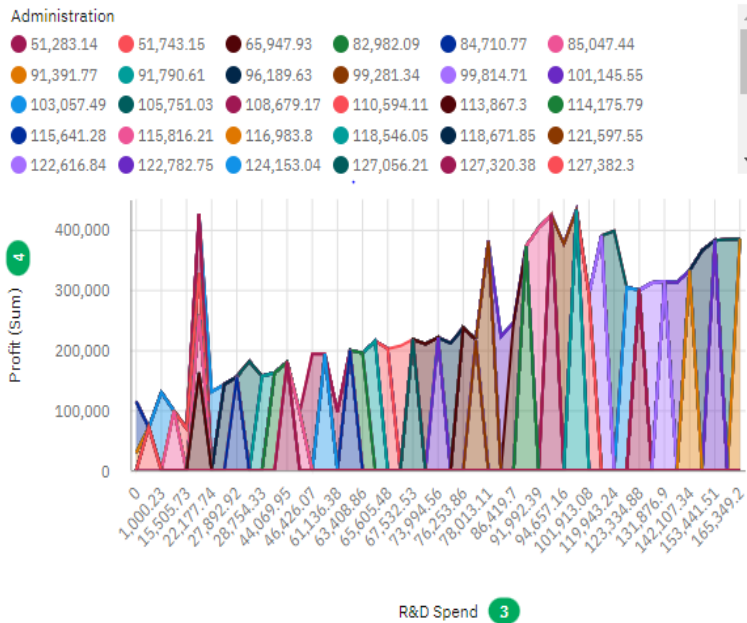
For **Profit**, the most significant values of **Marketing Spend** are 249744.55 and 249839.44, whose respective **Profit** values add up to almost 858 thousand, or 7 % of the total.

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

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

The summed values of **Profit** range from over 29 thousand to nearly 433 thousand.

Profit by R&D Spend colored by Administration



## Details

Across all **r&d spends** and **administrations**, 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.

For **Profit**, the most significant values of **Administration** are 91790.61 and 127320.38, whose respective **Profit** values add up to almost 858 thousand, or 7 % of the total.

The summed values of **Profit** range from over 29 thousand to almost 433 thousand.

## Cognos Link :

[https://us3.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my\\_folders%2Fdata%2Bexploration%2F50%2Bstartups%2Bvisualization&subView=model0000018337d468d2\\_00000000](https://us3.ca.analytics.ibm.com/bi/?perspective=explore&pathRef=.my_folders%2Fdata%2Bexploration%2F50%2Bstartups%2Bvisualization&subView=model0000018337d468d2_00000000)