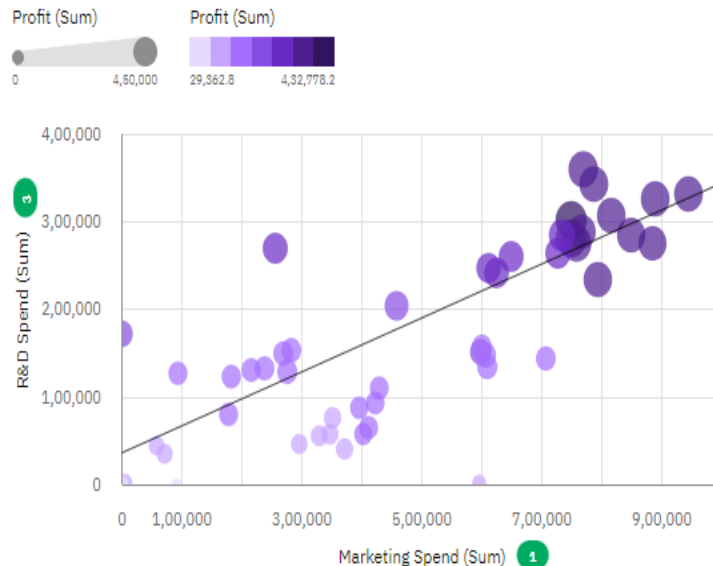


# IBM ASSIGNMENT -1

## Marketing Spend and R&D Spend with Profit and Profit for Profit 4



### Details

The total of **R&D Spend** is nearly 8.1 million.

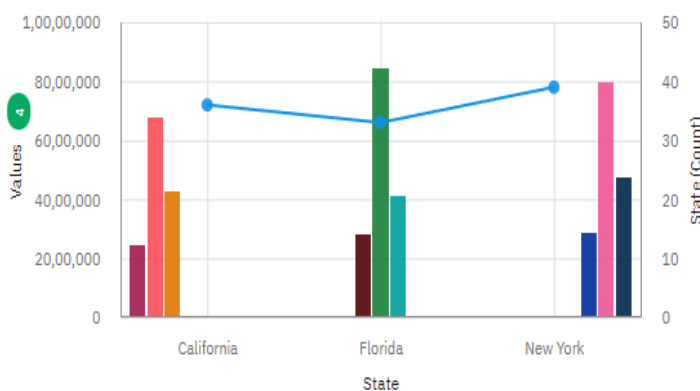
**R&D Spend** and **Marketing Spend** have a medium positive linear association, being  $R\&D\ Spend = 36050 + 0.3064 * Marketing\ Spend$

## State and R&D SpendMarketing SpendAdministration for State colored by State

State - Measures

- California | R&D Spend
- California | Marketing Spend
- California | Administration
- Florida | R&D Spend
- Florida | Marketing Spend
- Florida | Administration
- New York | R&D Spend
- New York | Marketing Spend
- New York | Administration

Line



### Details

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

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

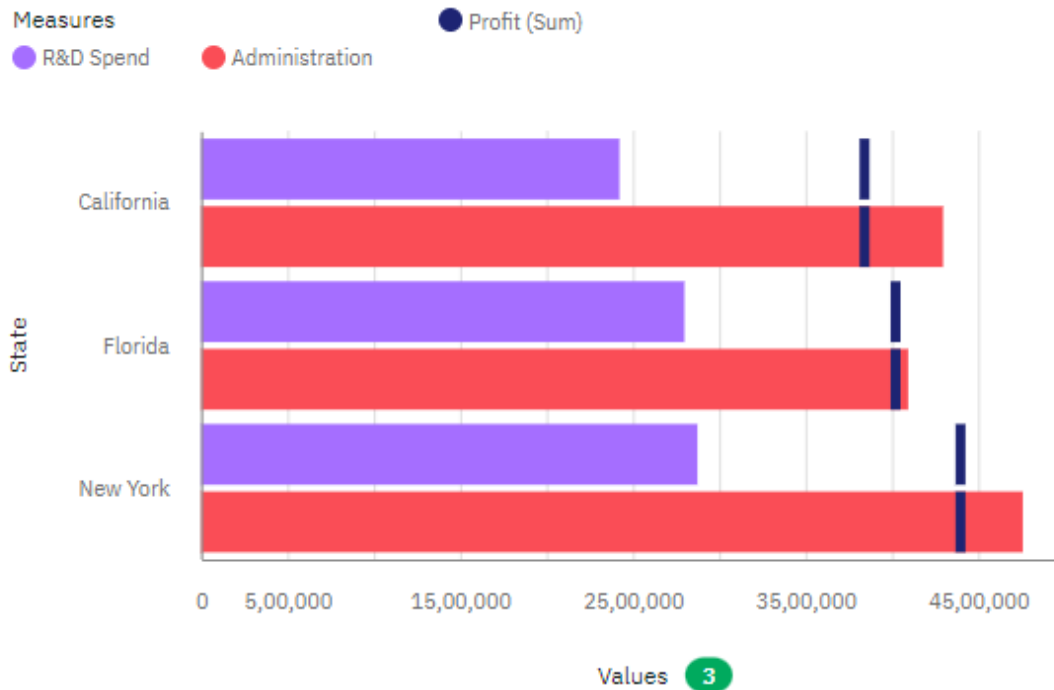
The most common values of **State** are New York (36.1 %) and California (33.3 %), together occurring 75 times, which is 69.4 % of the total.

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

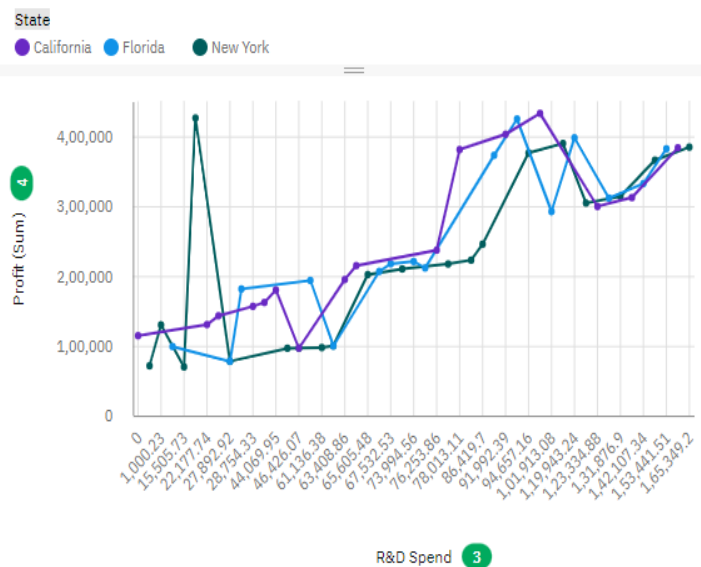
Over all states, the average of **Administration** is almost 122 thousand.

The total number of results for **R&D Spend**,

## R&D Spend and Administration compared to Profit by State 4



## Profit by R&D Spend colored by State



## Details

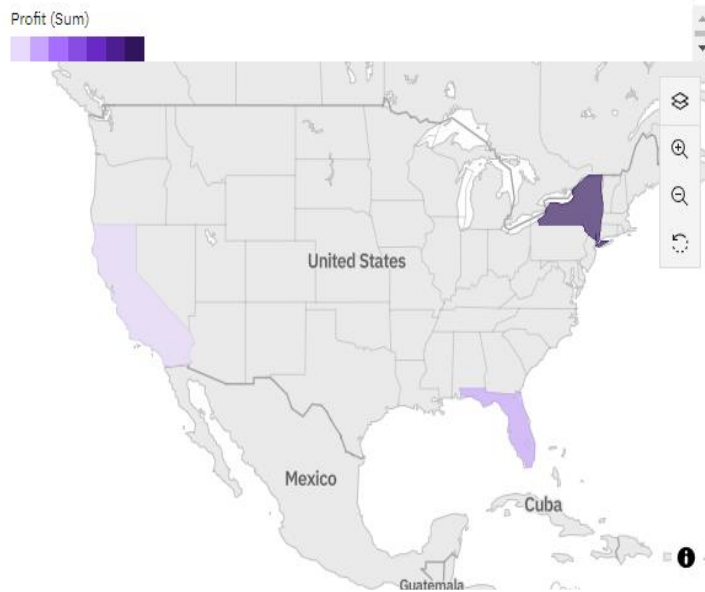
For **Profit**, the most significant value of **State** is New York, whose respective **Profit** values add up to almost 4.4 million, or 35.9 % of the total.

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.

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

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

#### Profit for State regions 4

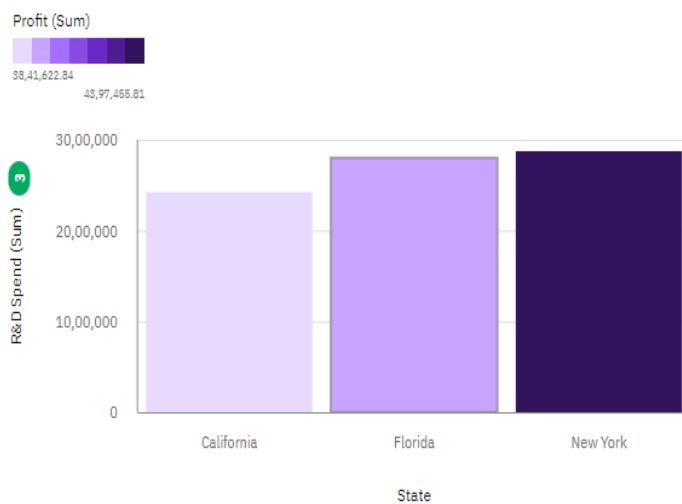


#### Details

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.

#### R&D Spend by State colored by Profit 4



#### 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 almost 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 for State 4

	Profit
California	38,41,622.84
Florida	40,21,487.43
New York	43,97,455.81
Summary	1,22,60,566.08