

# Analytics for Hospitals Health-Care Data

## Assignment -1

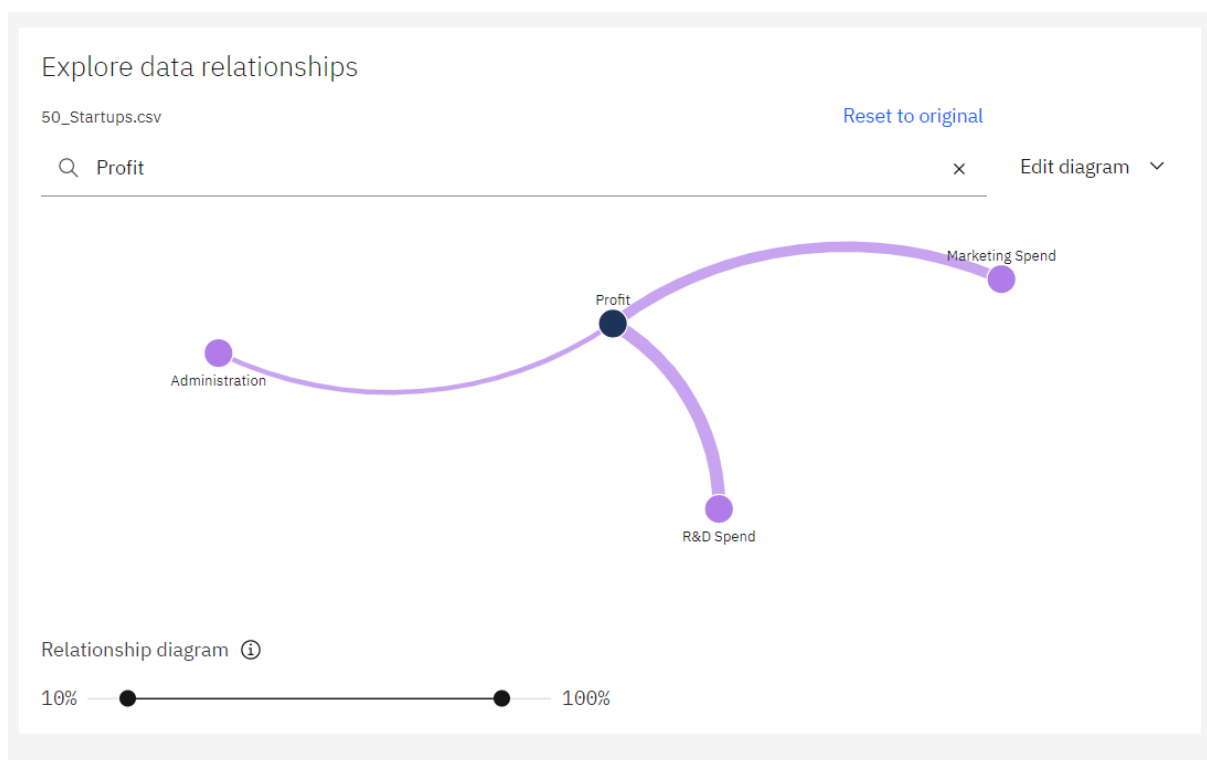
**NAME** : MATHIARASI N

**ROLL NO** : 737819CSR105

**Challenge** : Upload the dataset to Cognos Analytics, explore and visualize the dataset

**Dataset** : [https://drive.google.com/file/d/100OUjFG8GQjhFztfG5JP\\_ivzRgoihr/view](https://drive.google.com/file/d/100OUjFG8GQjhFztfG5JP_ivzRgoihr/view)

## Data Exploration



## Explore data relationships

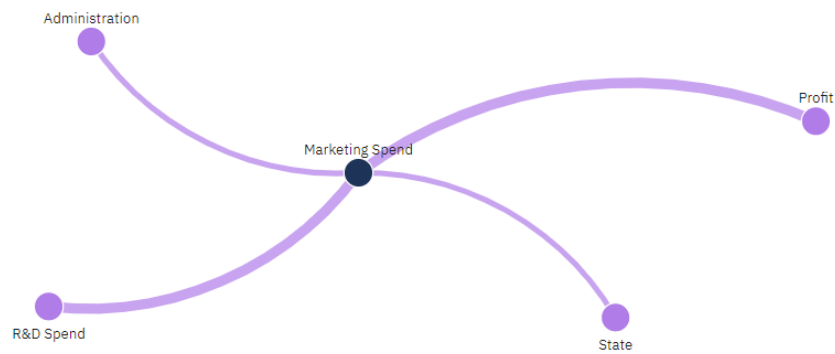
50\_Startups.csv

[Reset to original](#)

Q Marketing Spend

×

Edit diagram ▾



Relationship diagram ⓘ

10% —●—●— 100%

## Explore data relationships

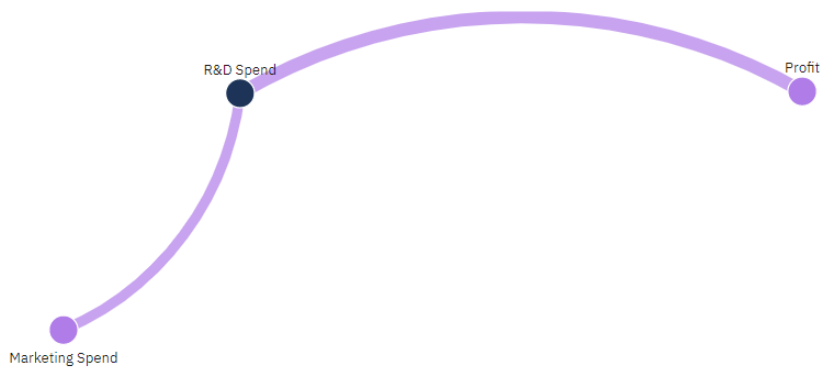
50\_Startups.csv

[Reset to original](#)

Q R&D Spend

×

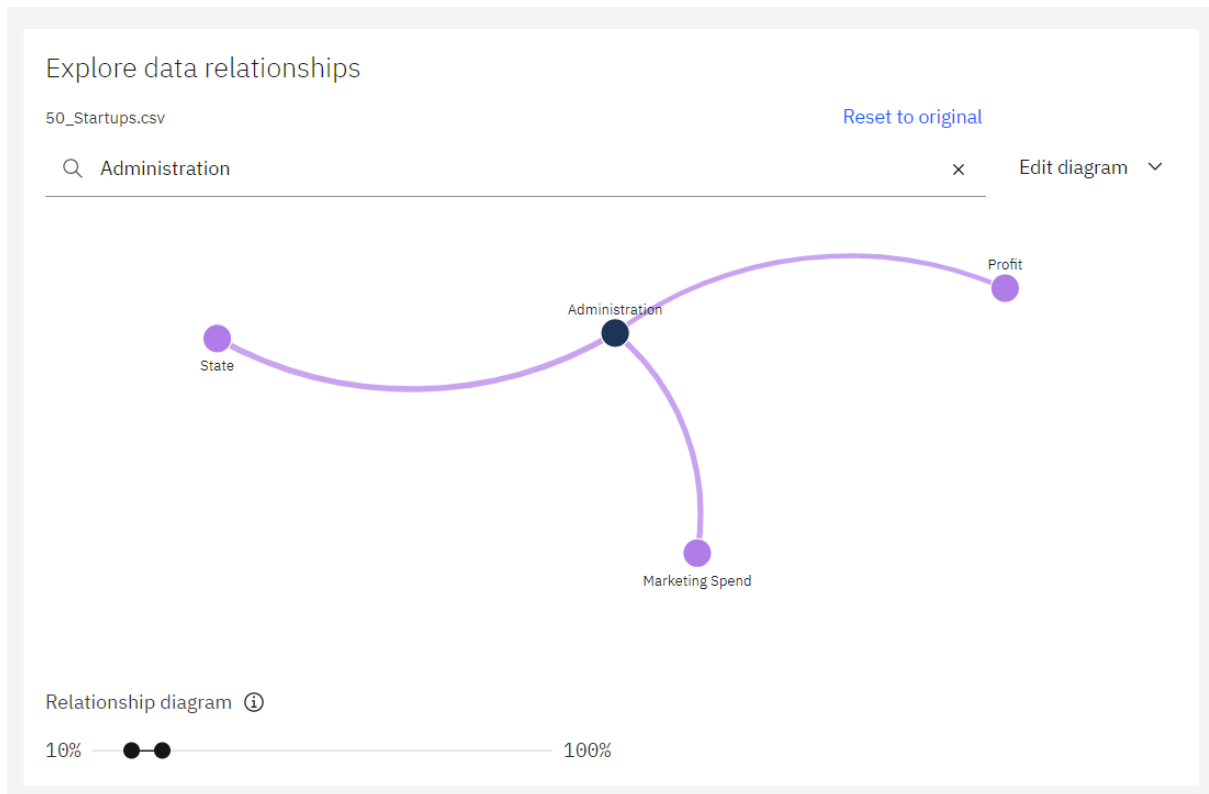
Edit diagram ▾



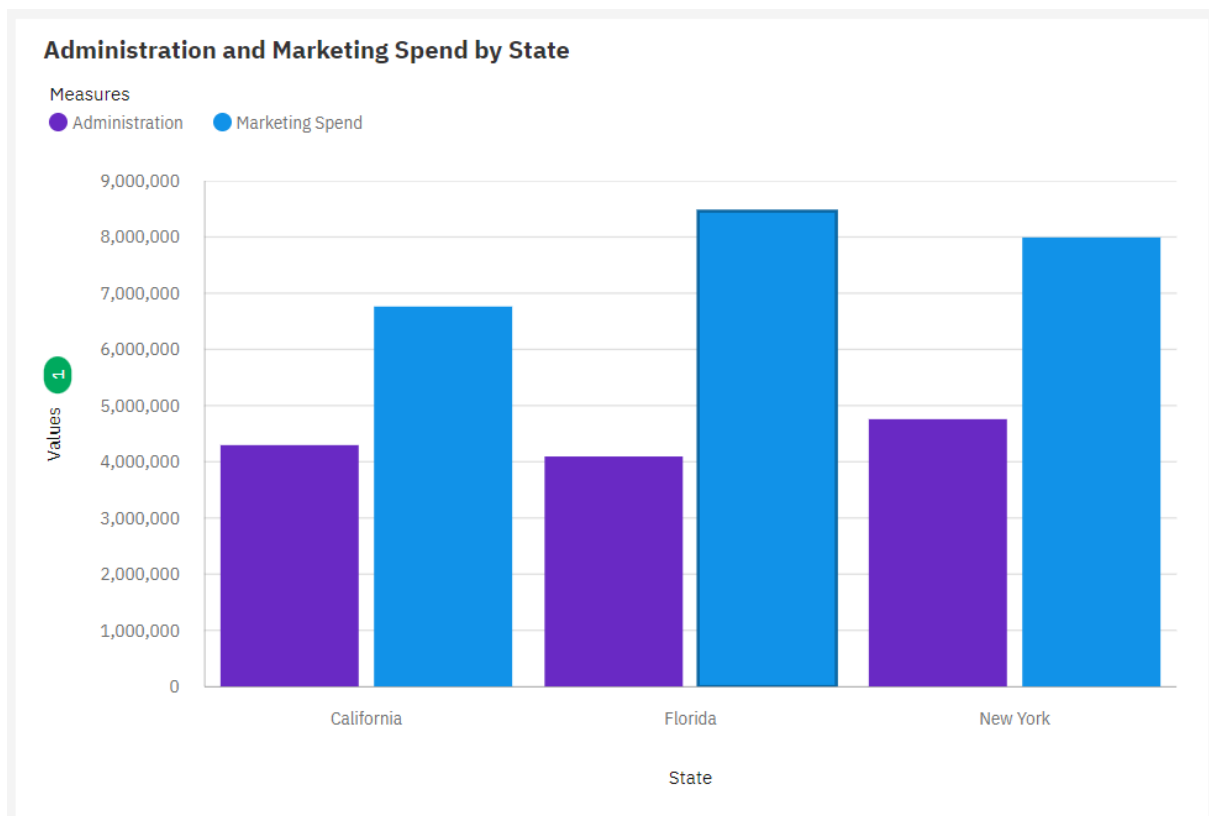
Select single or multiple nodes to see visualizations.

Relationship diagram ⓘ

10% —●—●— 100%

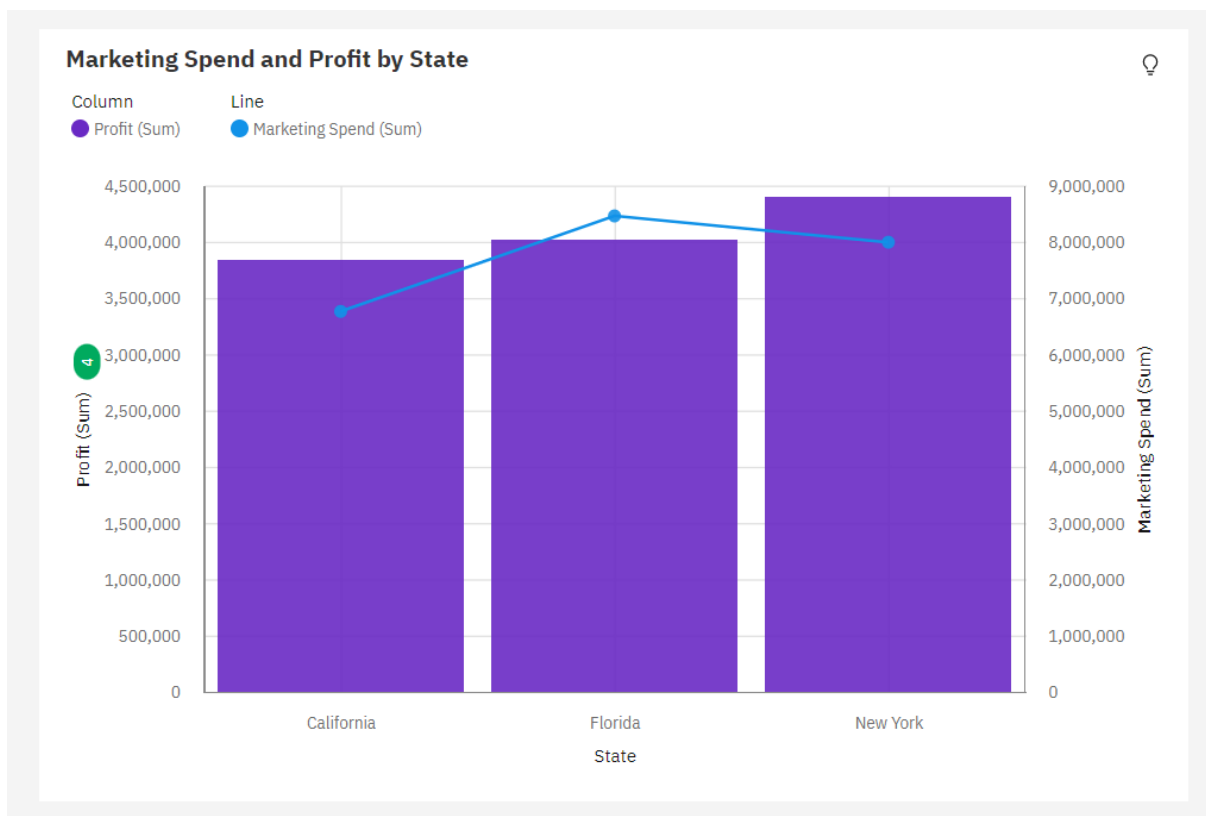


## Administration and Marketing Spend by State



- ❖ **Administration** ranges from almost 4.1 million, in Florida, to nearly 4.8 million, in New York.
- ❖ **Marketing Spend** ranges from almost 6.8 million, in California, to nearly 8.5 million, in Florida.
- ❖ 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 nearly 122 thousand.

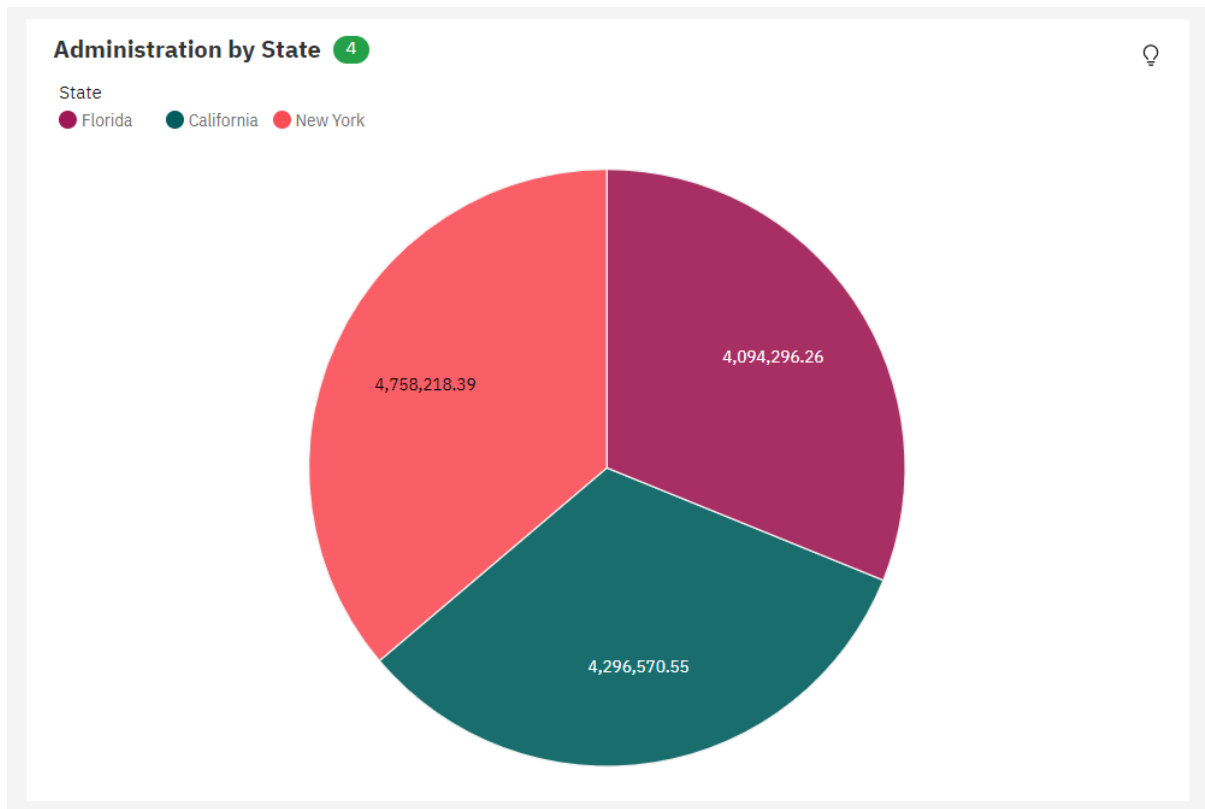
### Marketing Spend and Profit by State



- ❖ 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.
- ❖ Across all **states**, the sum of **Marketing Spend** is over 23 million.

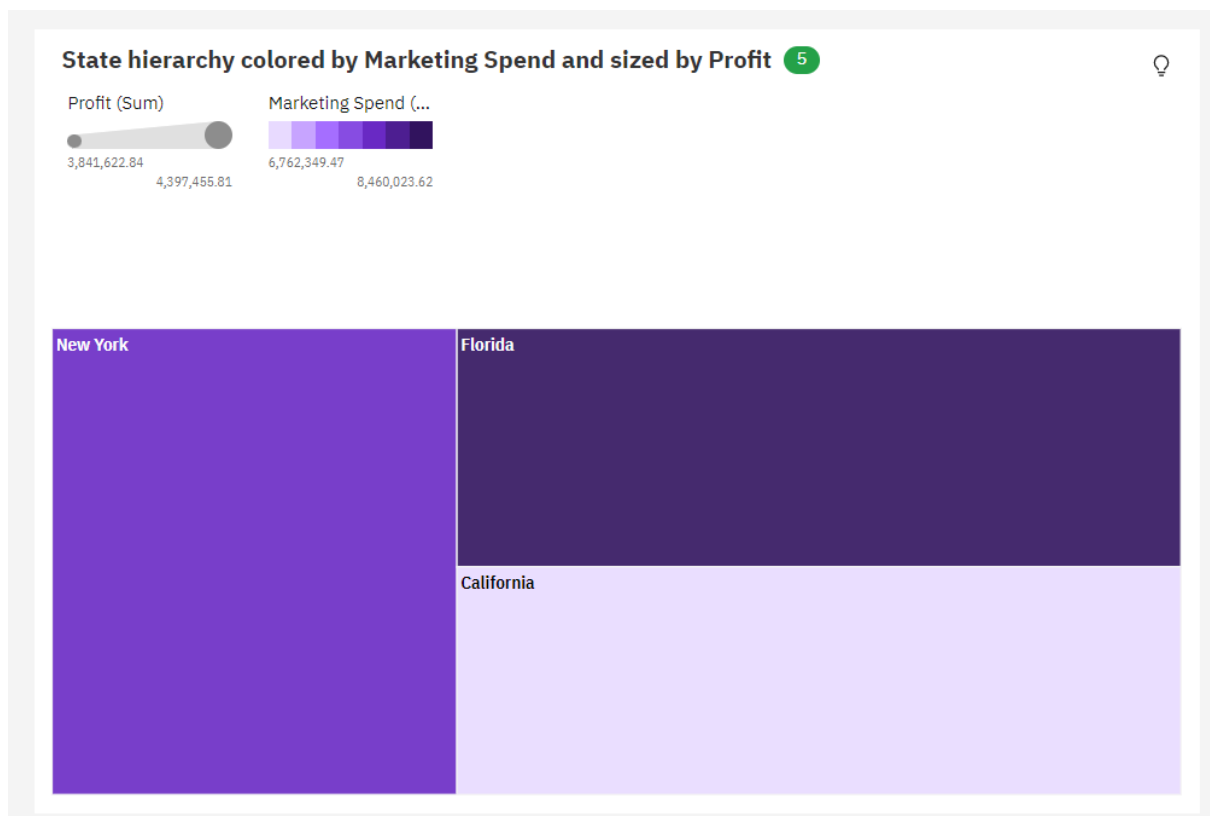
- ❖ For **Marketing Spend**, the most significant values of **State** are Florida and New York, whose respective **Marketing Spend** values add up to over 16 million, or 70.9 % of the total.
- ❖ **Marketing Spend** ranges from nearly 6.8 million, in California, to almost 8.5 million, in Florida.

### Administration by State



- ❖ The total number of results for **Administration**, across all **states**, is 108.
- ❖ Over all **states**, the average of **Administration** is almost 122 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 almost 114 thousand.
- ❖ **Administration** ranges from nearly 4.1 million, in Florida, to nearly 4.8 million, in New York.
- ❖ **Profit** ranges from over 3.8 million, in California, to nearly 4.4 million, in New York.

## State hierarchy colored by Marketing Spend and sized by Profit



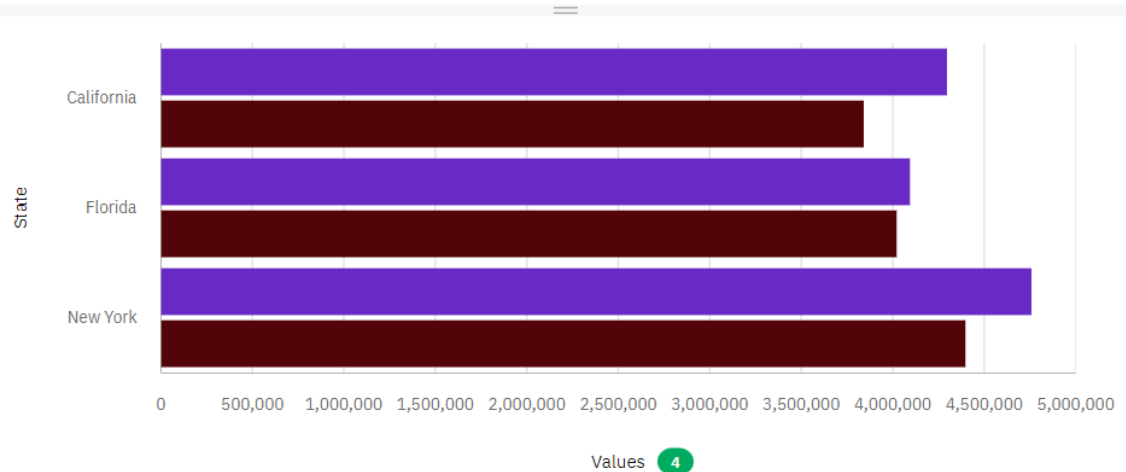
- ❖ Across all **states**, the sum of **Profit** is over 12 million.
- ❖ **Profit** ranges from over 3.8 million, in California, to almost 4.4 million, in New York.

## Administration and Profit by State

### Administration and Profit by State

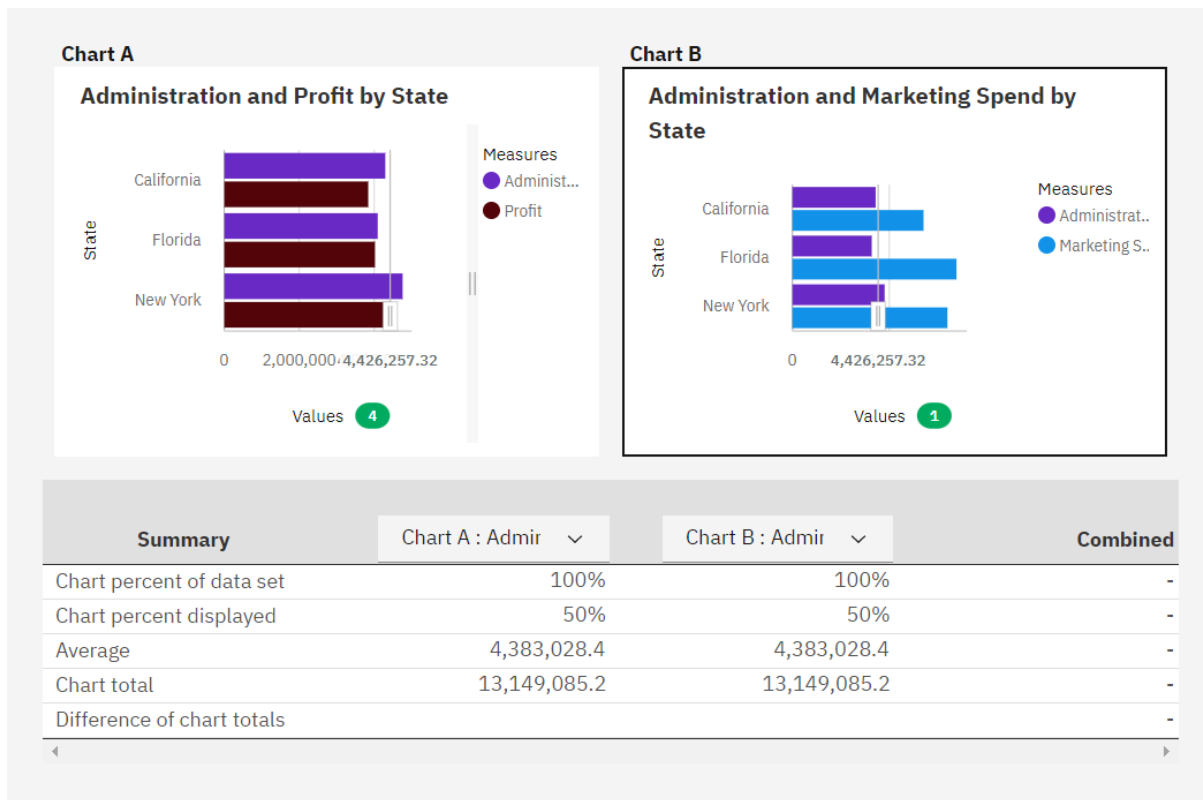
Measures

● Administration ● Profit



- ❖ The total number of results for **Profit**, across all **states**, is 108.
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- ❖ 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.
- ❖ **Administration** ranges from nearly 4.1 million, in Florida, to nearly 4.8 million, in New York.
- ❖ **Profit** ranges from over 3.8 million, in California, to almost 4.4 million, in New York.

## DATA COMPARISON



- ❖ The total number of results for **Administration**, across all **states**, is 108.
- ❖ Over all **states**, the average of **Administration** is nearly 122 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 **Marketing Spend**, across all **states**, is 108.
- ❖ Over all **states**, the average of **Marketing Spend** is nearly 215 thousand.
- ❖ **Administration** ranges from almost 4.1 million, in Florida, to almost 4.8 million, in New York.
- ❖ **Marketing Spend** ranges from almost 6.8 million, in California, to nearly 8.5 million, in Florida.