

ASSIGNMENT 1

Team ID : PNT2022TMID21549

Team Leader : Shamin Thres J

Team member : Priyanka S

Team member : Sharon Rose A

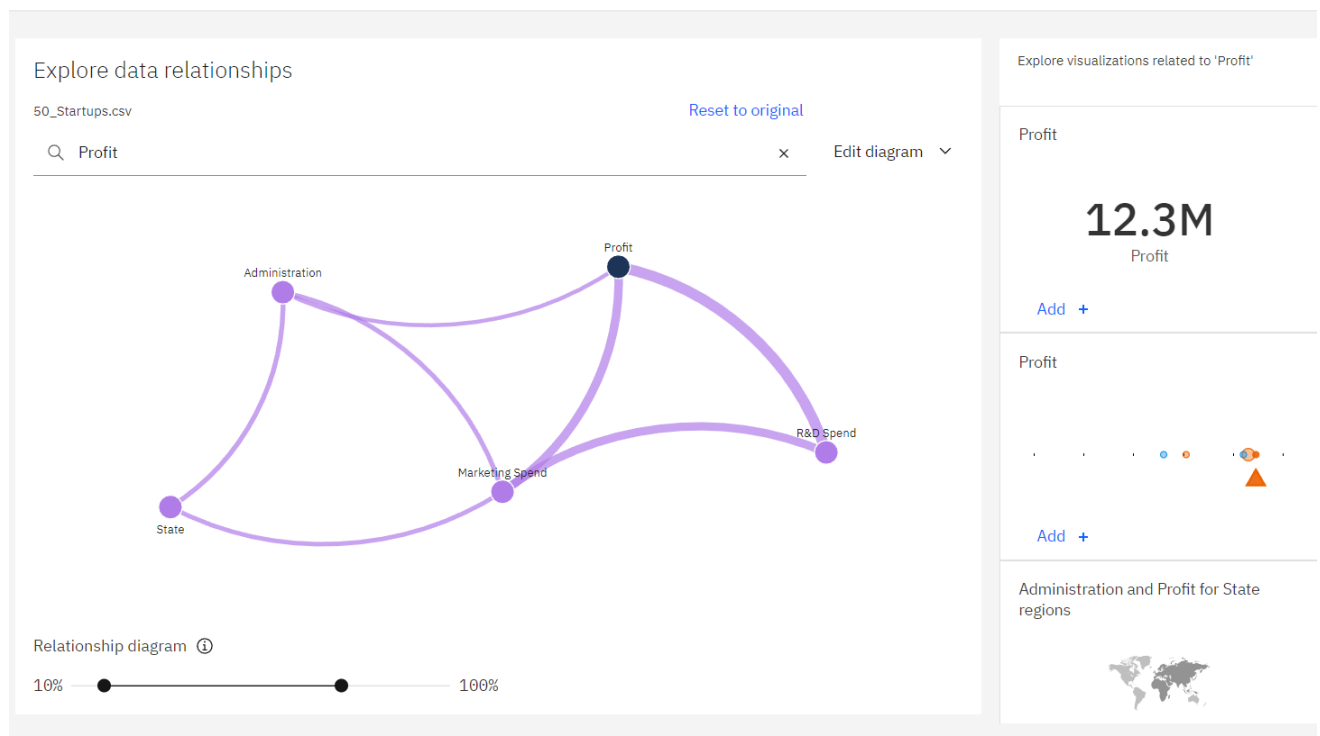
Team member : Shruti R

Dataset: 50-Startup-Dataset

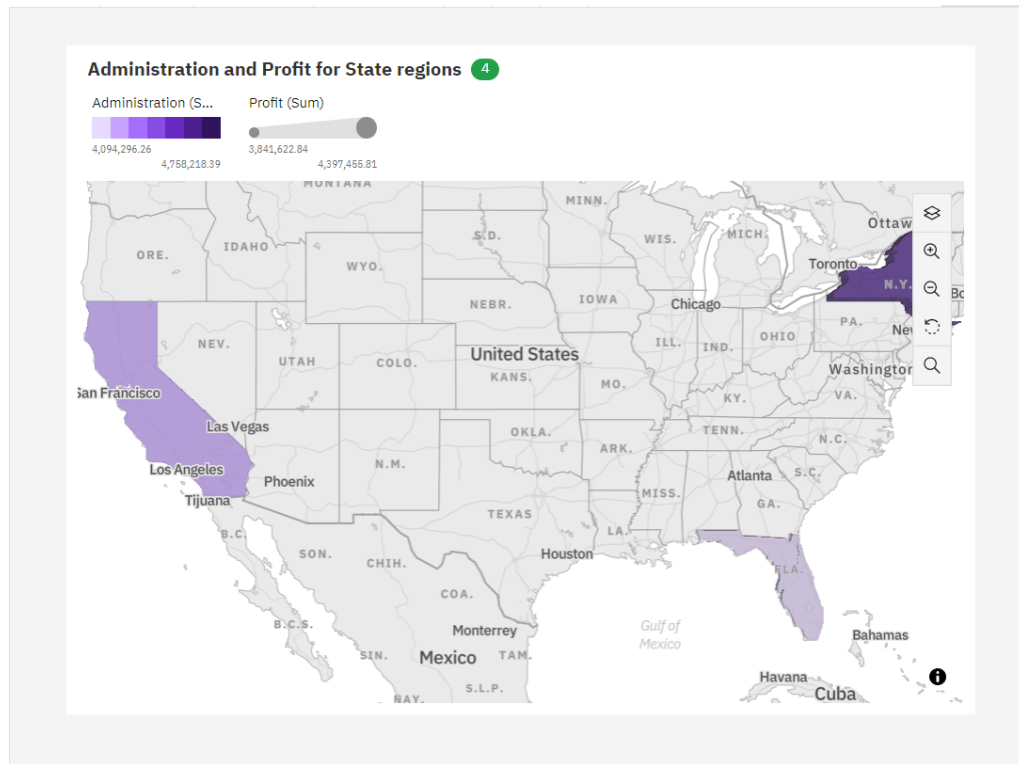
Challenge:

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

1. DATA RELATIONSHIP:



Administration and Profit for State regions



Analytics



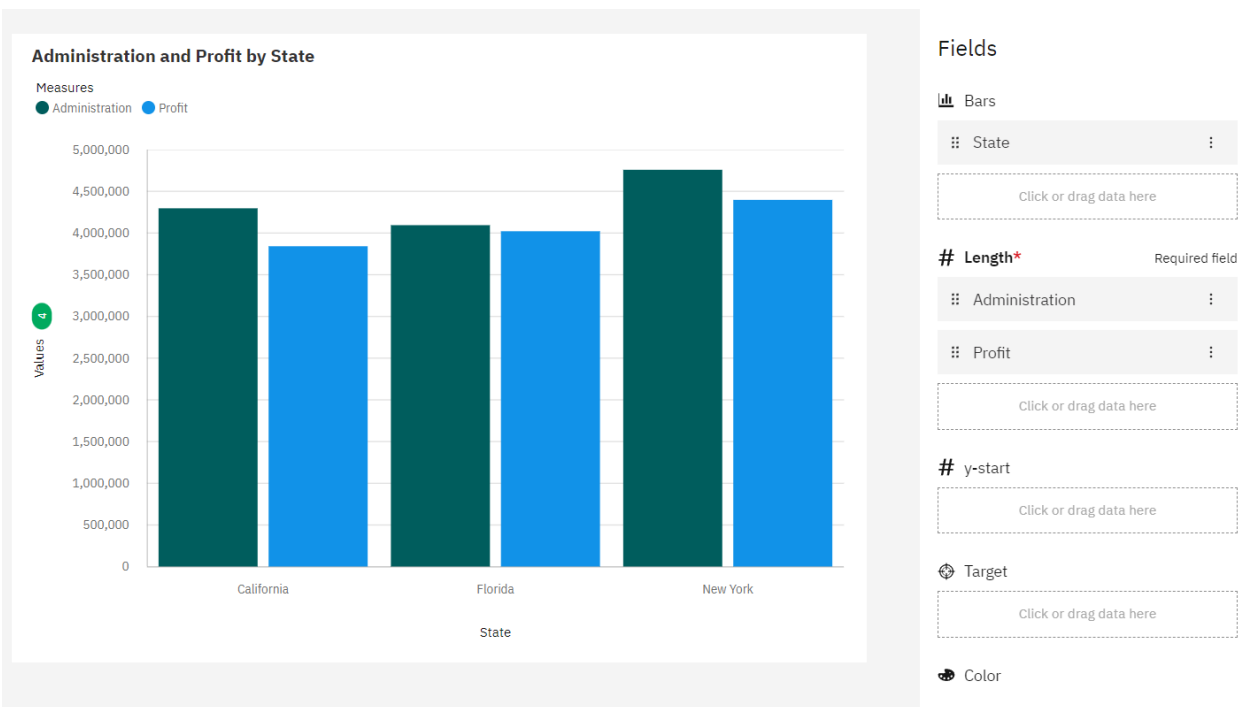
The widget selected does not use forecasting or analytic insights

Select a visualization with analytics support to manage the analytics settings

Details

Across all **states**, the sum of **Administration** is over 13 million.

Administration ranges from nearly 4.1 million, in Florida, to nearly 4.8 million, in New York.



Details

Administration ranges from almost 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.

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

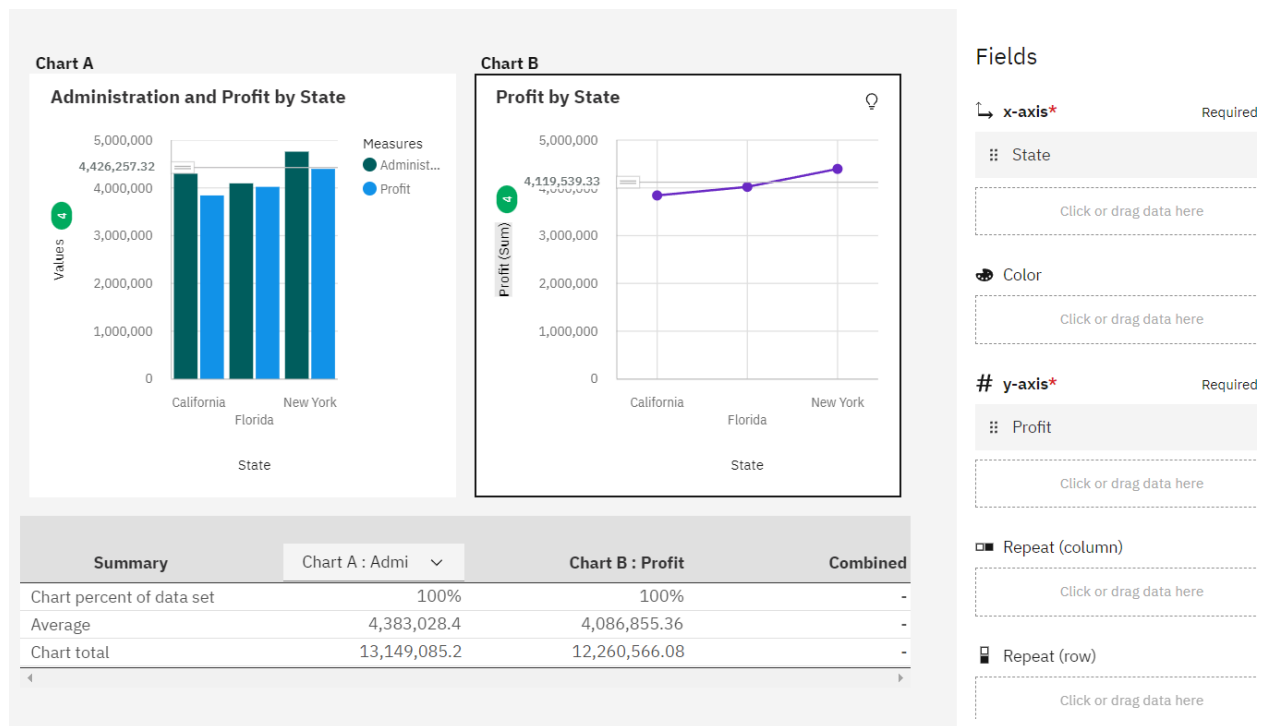
Over all **states**, the average of **Profit** is almost 114 thousand.

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.

comparison between bar graph and line graph:

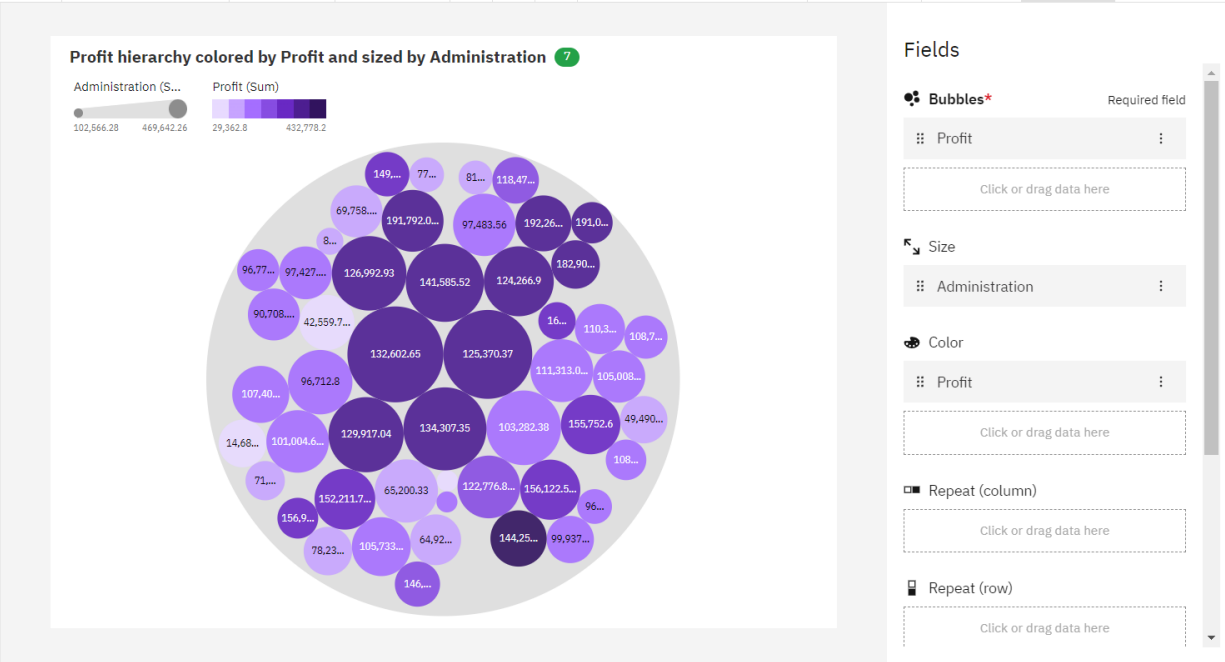


Details

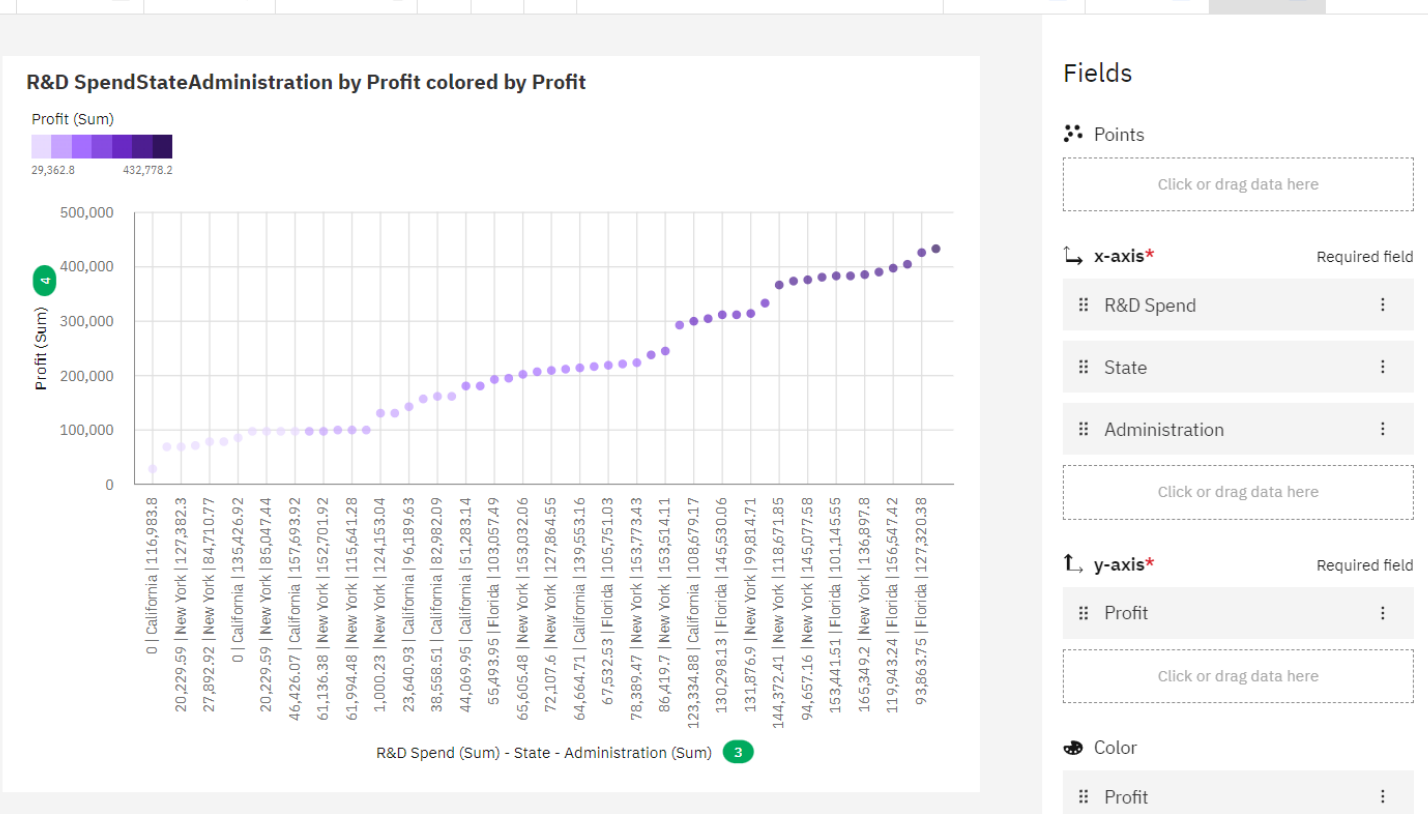
Across all **states**, the sum of **Profit** is over 12 million.

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

hierachy bubble



scatter plot:



Details

The total number of results for **R&D Spend**, across all **r&d spend - state - administrations**, is 108.

Over all **r&d spend - state - administrations**, the average of **R&D Spend** is almost 114 thousand.

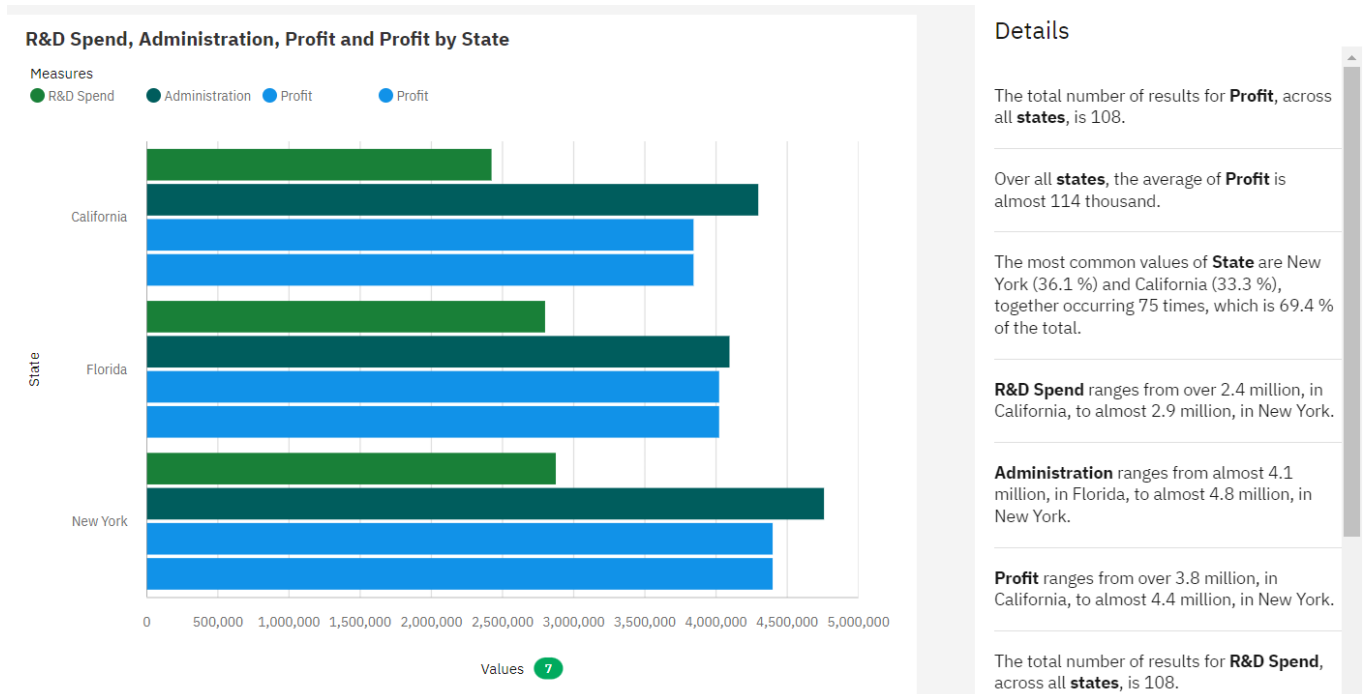
The most common values of **R&D Spend - State - Administration** are 20229.59|New York|127382.3 (4.6 %) and 0|California|116983.8 (3.7 %), together occurring 9 times, which is 8.3 % of the total.

Profit ranges from 0, when **R&D Spend - State - Administration** is 0|California|116983.8, to 2, when **R&D Spend - State - Administration** is 27892.92|New York|84710.77.

R&D Spend ranges from over 29 thousand, when **R&D Spend - State - Administration** is 0|California|116983.8, to almost 433 thousand, when **R&D Spend - State - Administration** is 153441.51|Florida|101145.55.

The total number of results for **Profit**, across all **r&d spend - state - administrations**, is 108.

Over all **r&d spend - state - administrations**, the average of **Profit** is 0.5093.



Details

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

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

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

Administration ranges from almost 4.1 million, in Florida, to almost 4.8 million, in New York.

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

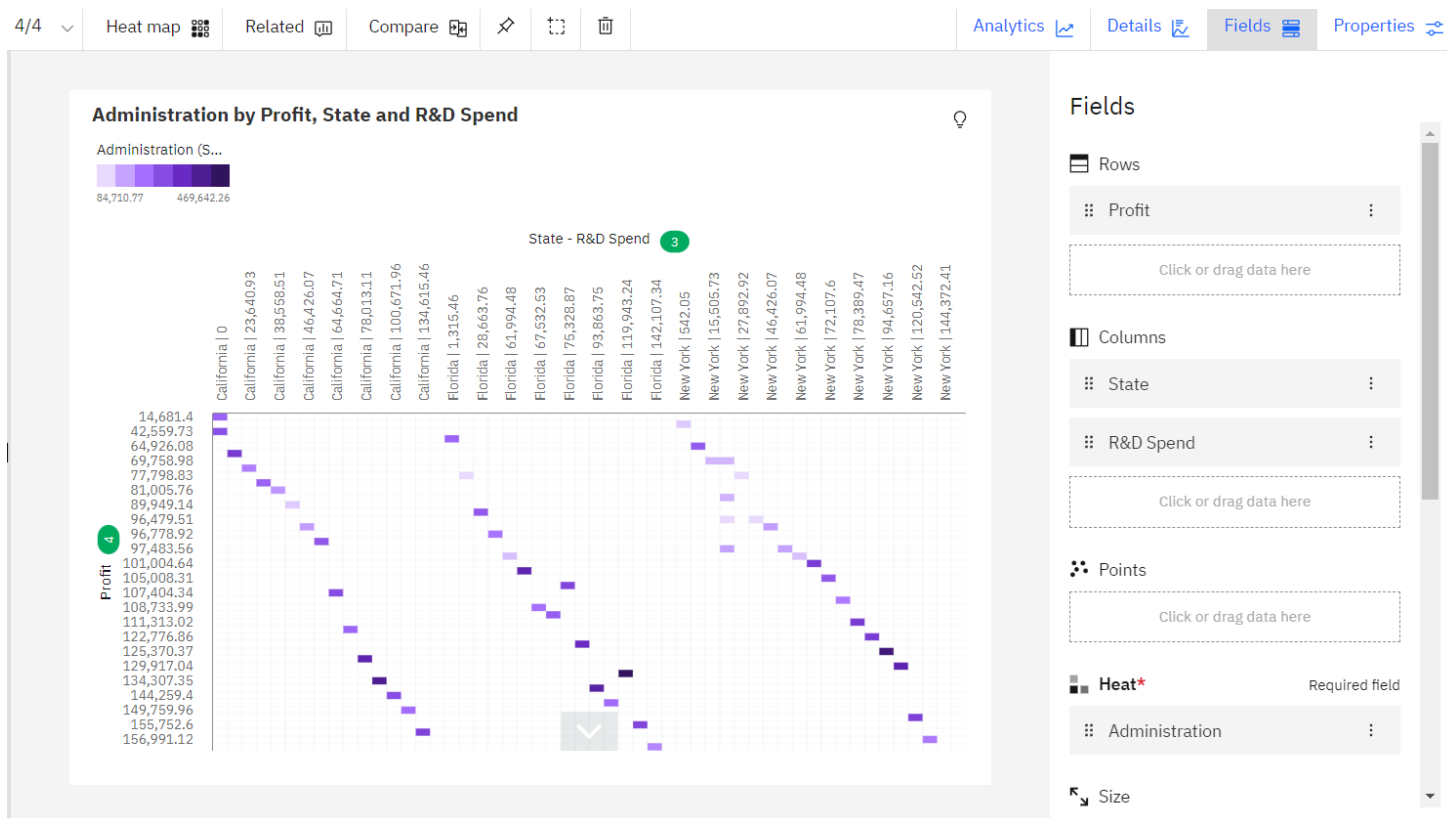
The total number of results for **R&D Spend**, across all **states**, is 108.

Over all **states**, the average of **R&D Spend** is almost 75 thousand.

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

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

heat map:



Details

For **Administration**, the most significant values of **Profit** are 97483.56, 96479.51, and 69758.98, whose respective **Administration** values add up to 212, or 16 % of the total.

Over all **profits** and **state - r&d spends**, the sum of **Administration** is almost 1500.

For **Administration**, the most significant value of **State - R&D Spend** is California|23640.93, whose respective **Administration** values add up to 828, or 62.5 % of the total.

The summed values of **Administration** range from 0 to 48.

For **Administration**, the most significant value of **State - R&D Spend** is series_CAT2, whose respective **Administration** values add up to 828, or 62.5 % of the total.

Administration is unusually high when **State - R&D Spend** is series_CAT2, series_CAT1 and series_CAT0.