

ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA

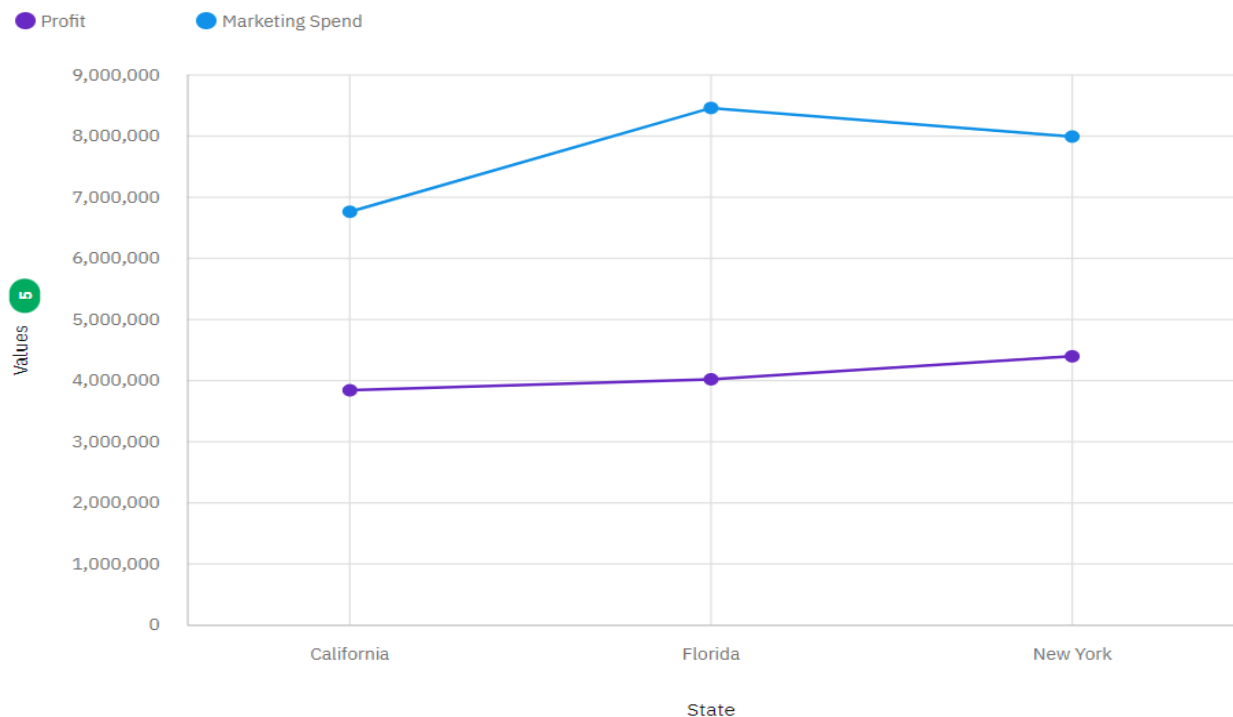
ASSIGNMENT :

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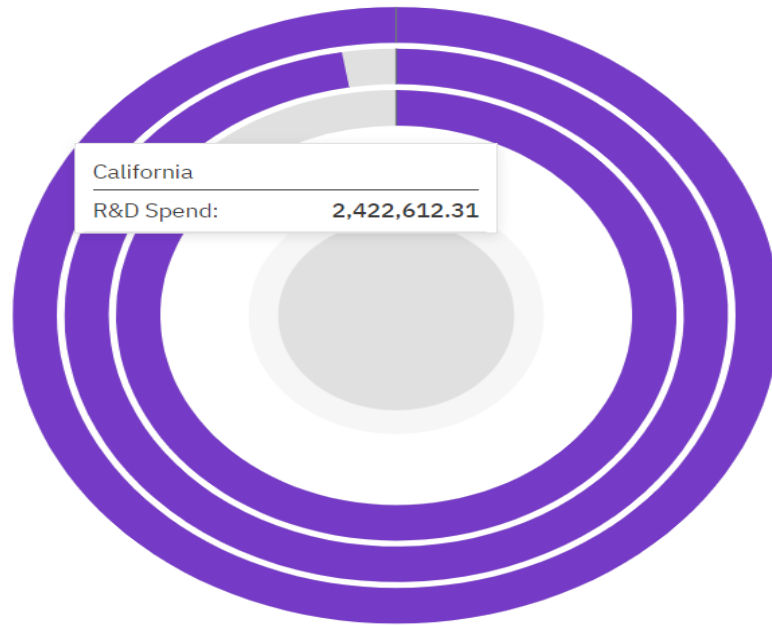
College : Kongu Engineering College

1. Profit and Marketing spent by state :



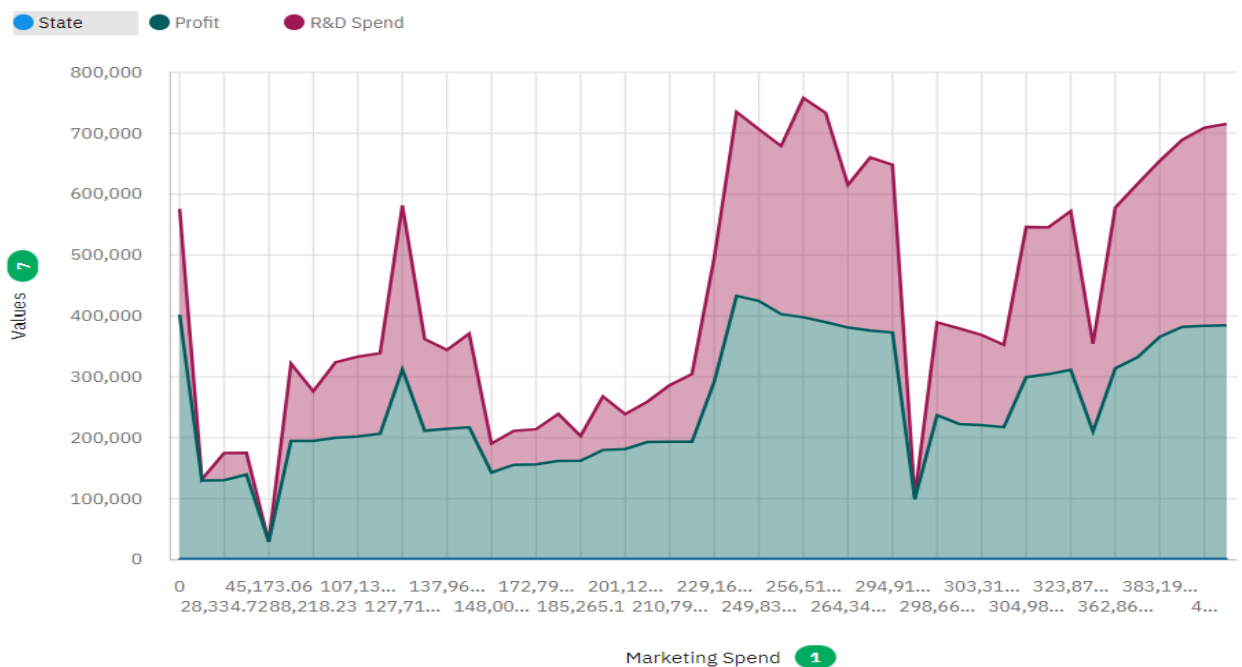
- ❖ The line diagram represents total number of results for Profit, across all states, is 108.
- ❖ The most common values of State are New York (36.1 %) and California (33.3 %), together occurring 75 times, which is 69.4 % of the total.
- ❖ Profit ranges from over 3.8 million, in California, to almost 4.4 million, in New York.
- ❖ Marketing Spend ranges from nearly 6.8 million, in California, to nearly 8.5 million, in Florida.

2. Research and Development spent by state :



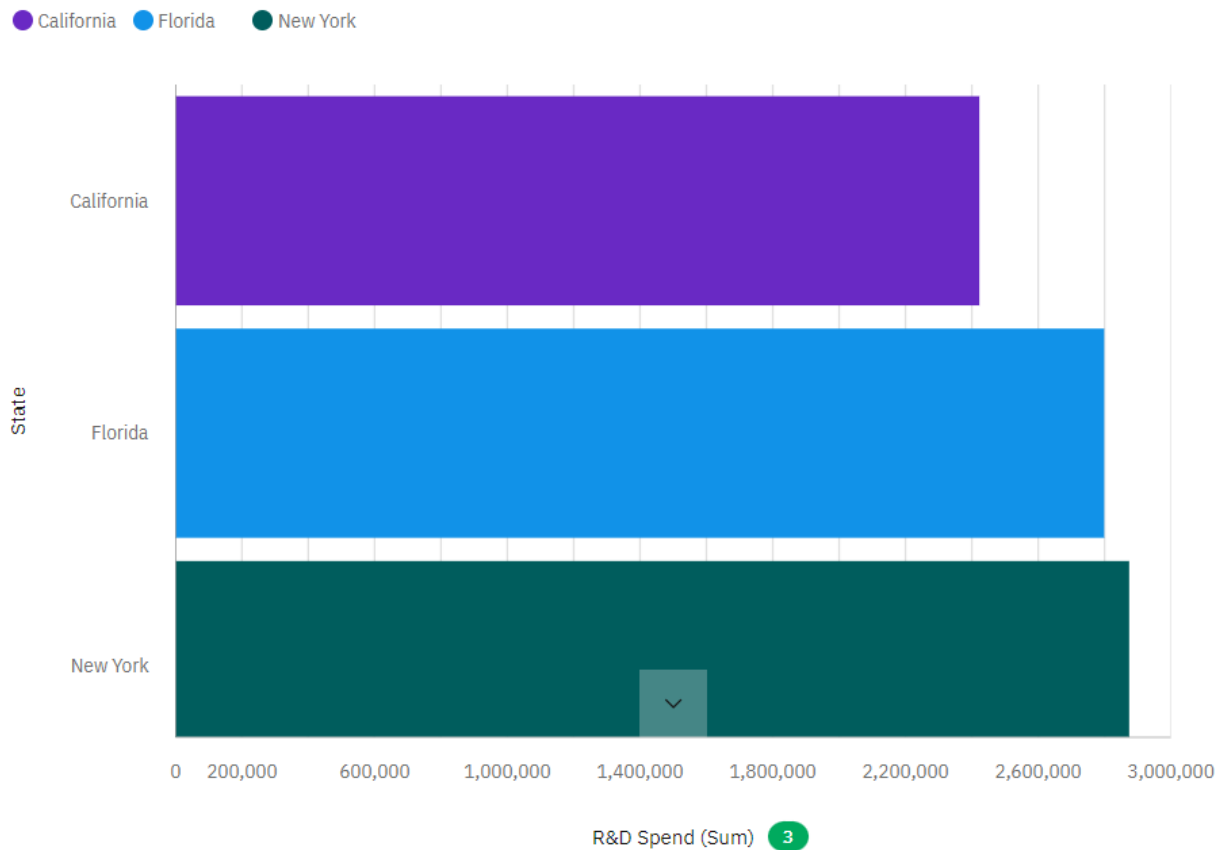
- ❖ Over all states, the sum of R&D Spend is almost 8.1 million.
- ❖ For R&D Spend, the most significant values of State are New York and Florida, whose respective R&D Spend values add up to almost 5.7 million, or 70.1 % of the total.
- ❖ R&D Spend ranges from over 2.4 million, in California, to almost 2.9 million, in New York.

3. State, Profit and R&D Spend by Marketing Spend :



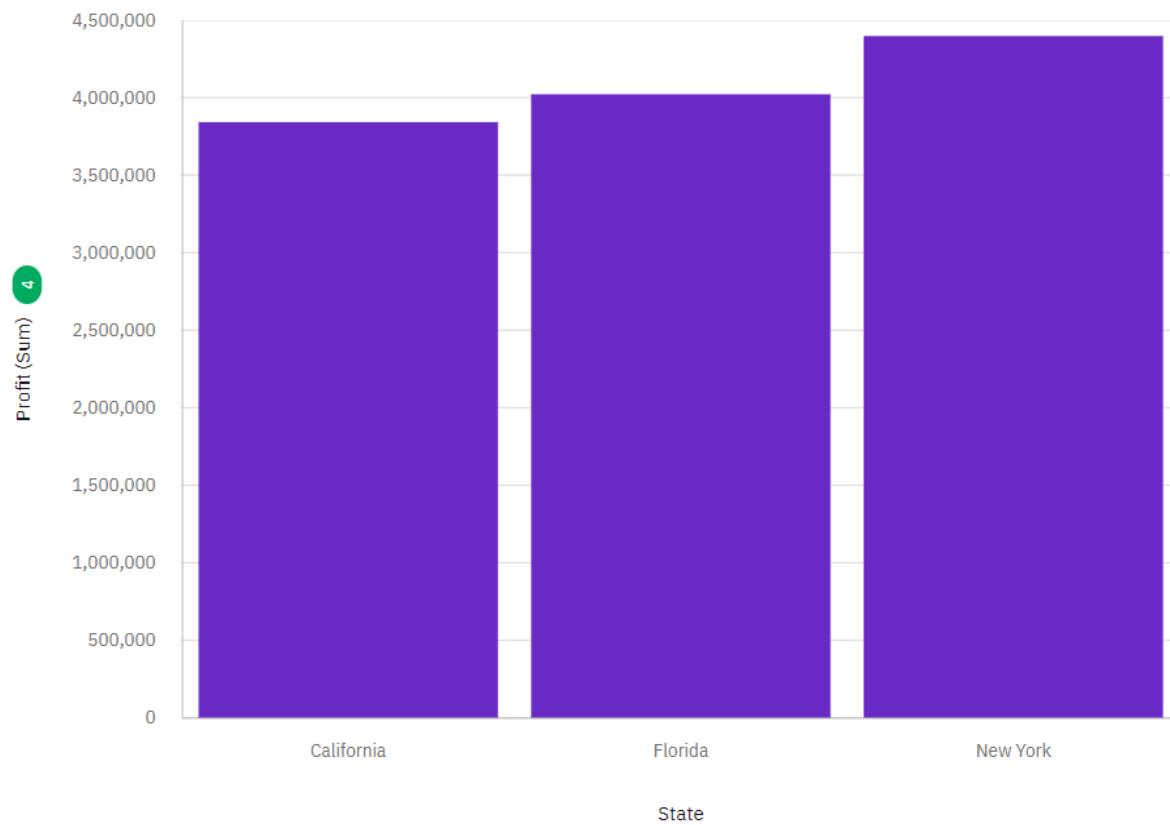
- ❖ The total number of results for Profit, across all marketing spends, is 108.
- ❖ Over all marketing spends, the average of Profit is nearly 114 thousand.
- ❖ The most common value of Marketing Spend is 0, occurring 6 times, which is 5.6 % of the total.

4. R&D spent by state and colored by state :



- ❖ The above bar chart represents that 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.
- ❖ Over all states and states, the sum of R&D Spend is almost 8.1 million.
- ❖ The summed values of R&D Spend range from over 2.4 million to almost 2.9 million.

5. Profit by state :



- ❖ The above column chart represents the profits earned against the specific states
- ❖ 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.