

ANALYTICS FOR HOSPITALS' HEALTH-CARE DATA

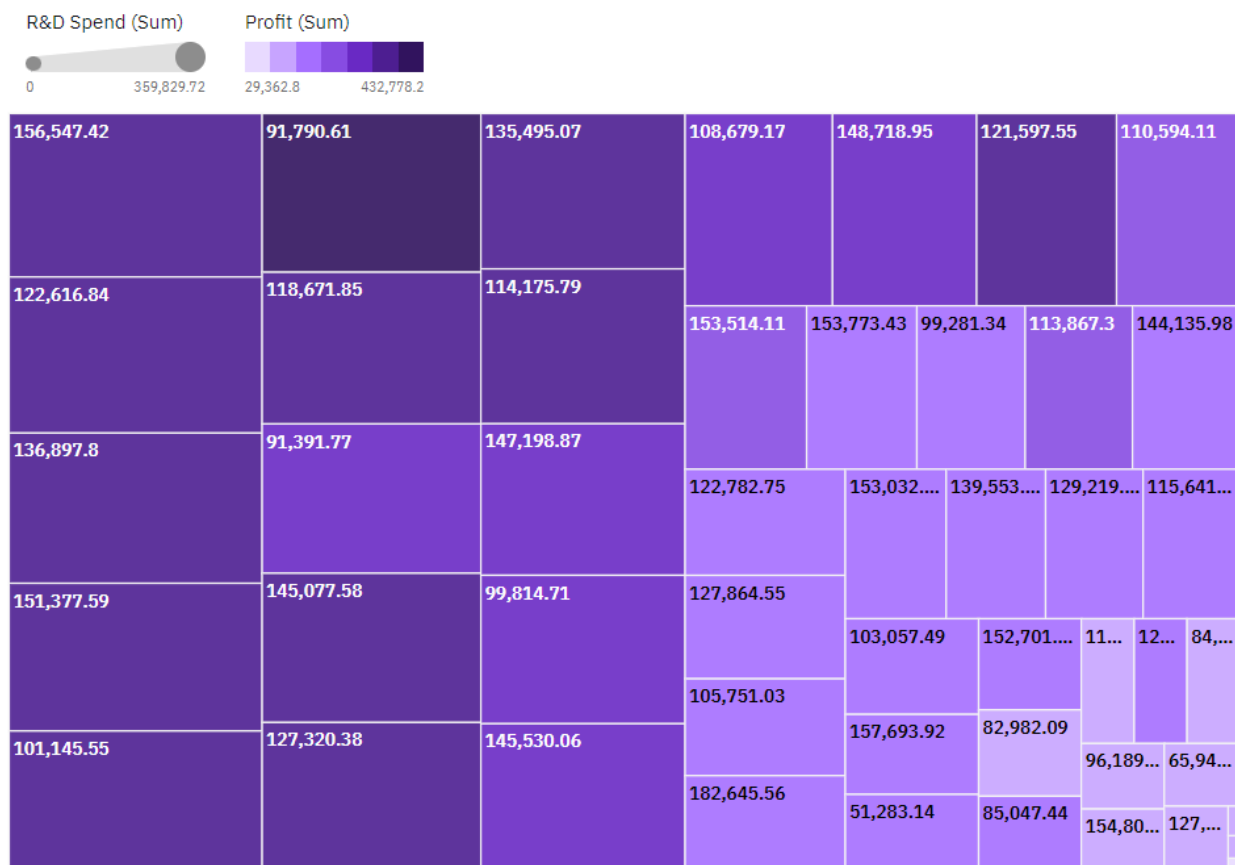
ASSIGNMENT :

Name : Kowsika.C

Roll No : 737819CSR092

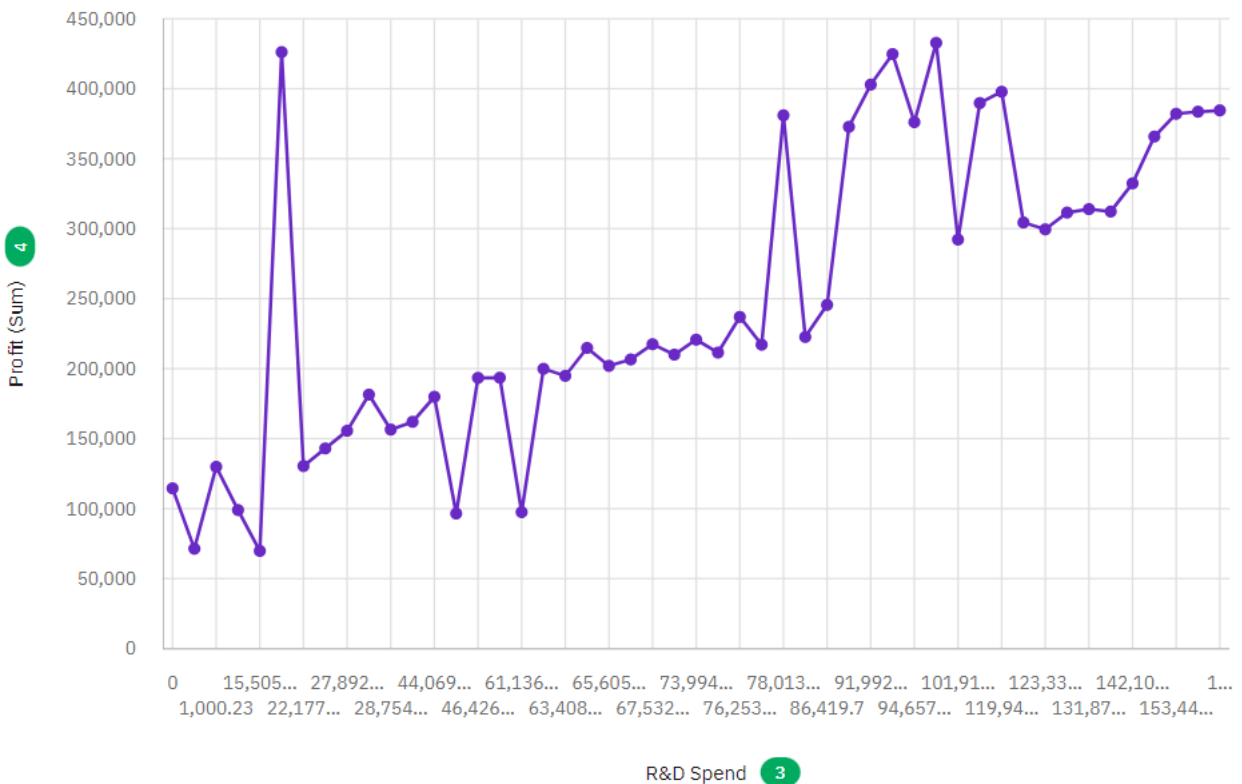
College : Kongu Engineering College

1. Administration hierarchy colored by Profit and sized by R&D Spend :



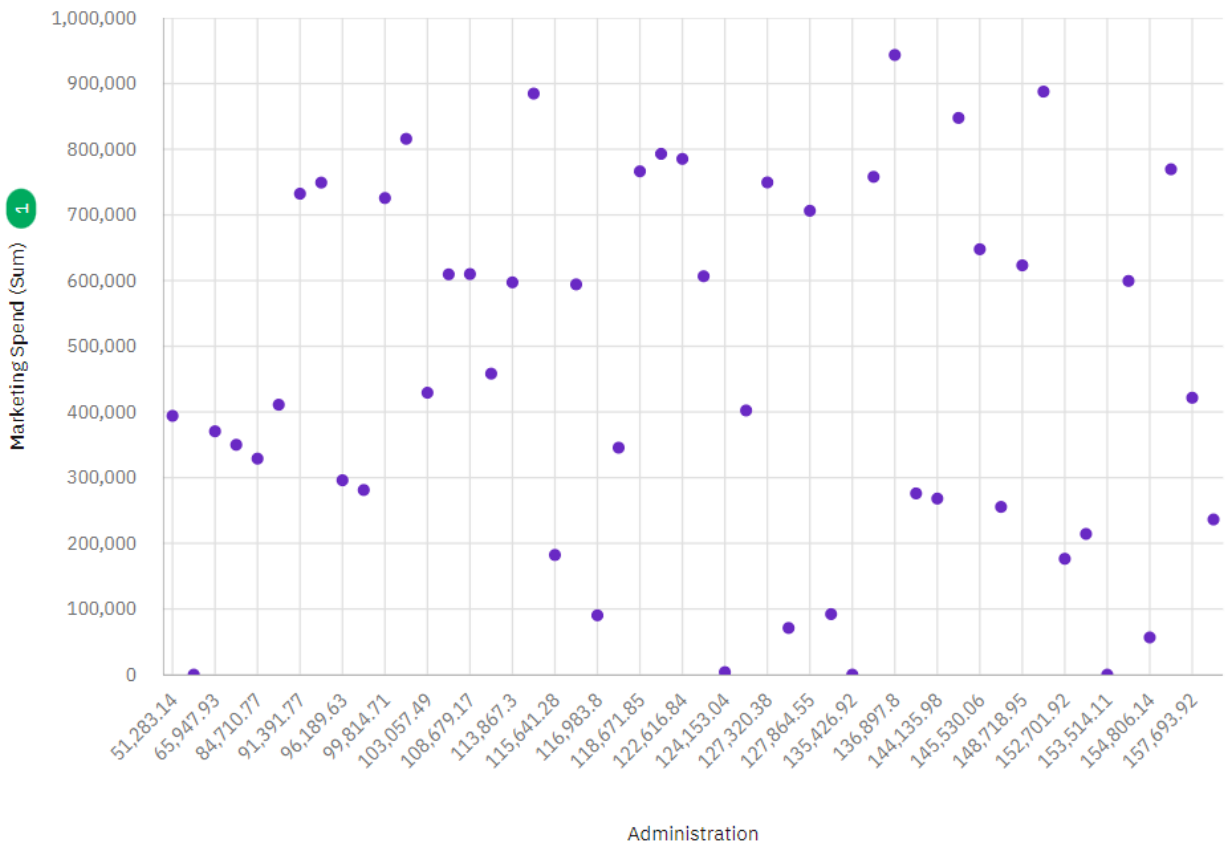
- ❖ Results for **Marketing Spend**, across all **administrations**, is 108.
- ❖ Over all **administrations**, the average of **Marketing Spend** is almost 215 thousand.
- ❖ The total number of results for **R&D Spend**, across all **administrations**, is 108.
- ❖ Over all **administrations**, the average of **R&D Spend** is almost 75 thousand

2. Profit by R&D Spend:



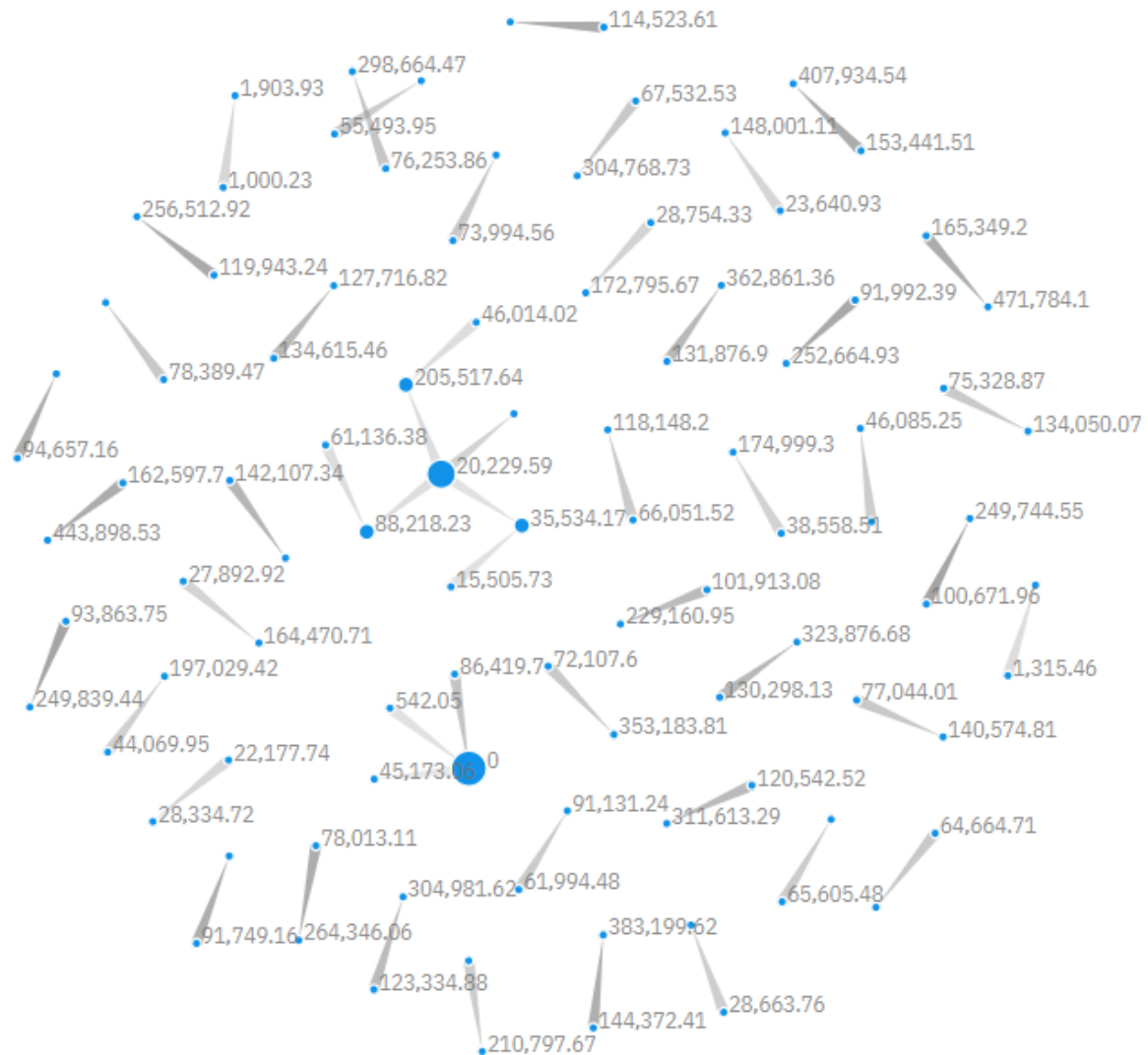
- ❖ Across all **R&D spends**, the sum of **Profit** is over 12 million.
- ❖ For **Profit**, the most significant values of **R&D Spend** are 100671.96, 202229.59, and 93863.75, whose respective **Profit** values add up to almost 1.3 million, or 10.5 % of the total.
- ❖ **Profit** ranges from almost 70 thousand, when **R&D Spend** is 15505.73, to almost 433 thousand, when **R&D Spend** is 100671.96.

3. Marketing Spend by Administration :



- ❖ Across all **administrations**, the sum of **Marketing Spend** is over 23 million.
- ❖ **Marketing Spend** ranges from 0, when **Administration** is 51743.15, to almost 944 thousand, when **Administration** is 136897.8.

4. R&D Spend to Marketing Spend with line width Profit :

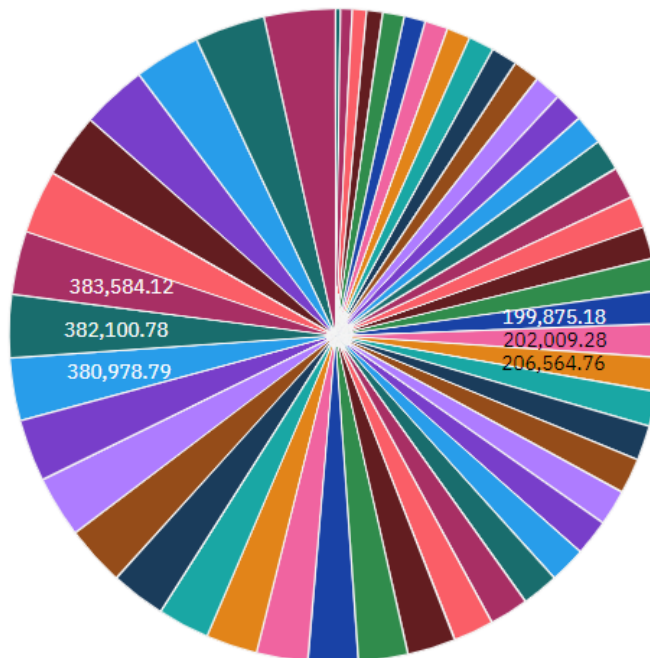


- ❖ For **Profit**, the most significant values of **Marketing Spend** are 249744.55 and 249839.44, whose respective **Profit** values add up to almost 858 thousand, or 7 % of the total.
- ❖ For **Profit**, the most significant values of **R&D spend** are 100671.96, 20229.59, and 93863.75, whose respective **Profit** values add up to nearly 1.3 million, or 10.5 % of the total.
- ❖ Across all **r&d spends** and **marketing spends**, the sum of **Profit** is over 12 million.

5. Profit by Administration :

Administration

116,983.8	51,743.15	135,426.92	115,816.21	124,153.04	154,806.14	127,382.3
96,189.63	84,710.77	118,546.05	82,982.09	65,947.93	51,283.14	127,056.21
85,047.44	157,693.92	103,057.49	129,219.61	152,701.92	115,641.28	153,032.06
182,645.56	127,864.55	144,135.98	139,553.16	99,281.34	105,751.03	122,782.75
153,773.43	113,867.3	153,514.11	110,594.11	108,679.17	148,718.95	145,530.06
147,198.87	99,814.71	91,391.77	118,671.85	114,175.79	145,077.58	121,597.55



- ❖ The total number of results for **R&D Spend**, across all **administrations**, is 108.
- ❖ Over all **administrations**, the average of **R&D Spend** is almost 75 thousand.
- ❖ **Profit** ranges from over 29 thousand, when **Administration** is 116983.8, to almost 433 thousand, when **Administration** is 91790.61.
- ❖ **R&D Spend** ranges from 0, when **Administration** is 116983.8, to nearly 360 thousand, when **Administration** is 156547.42.