

IBM - Data Analytics

Assignment – 1

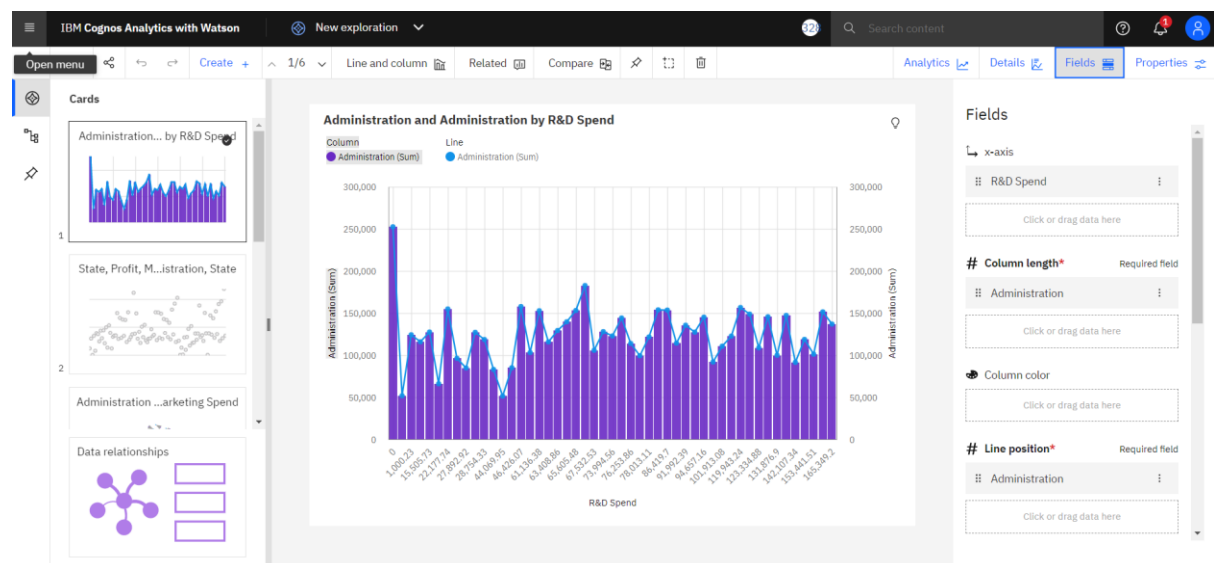
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Challenge:

Upload the dataset to Cognos Analytics, prepare the data, explore and create interactive dashboard.

Administration and Administration by R&D Spend:

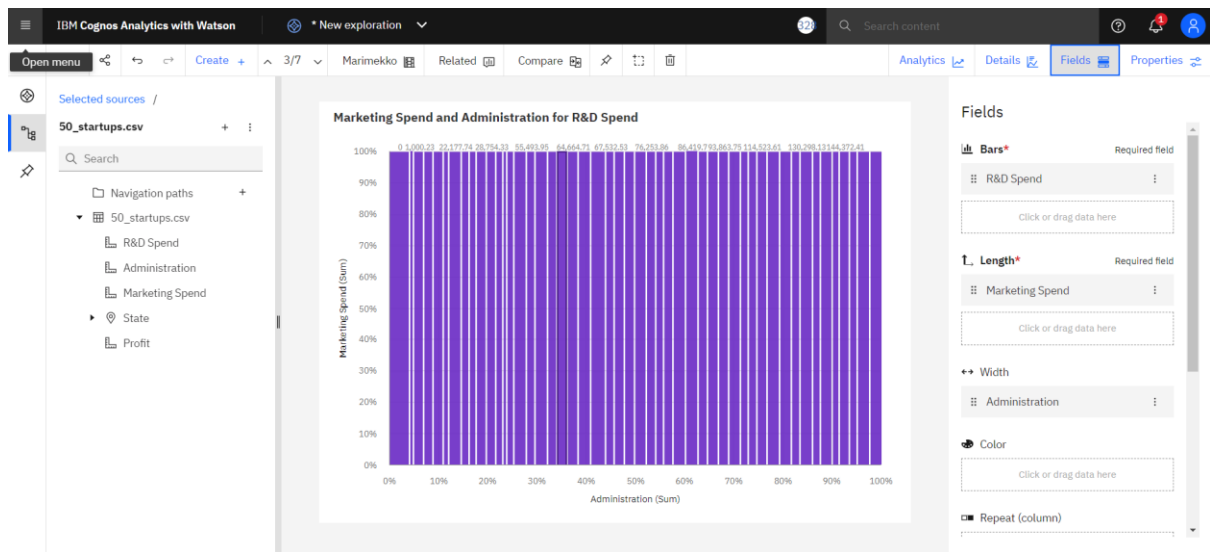


Inference:

Over all **r&d spends**, the sum of **Administration** is nearly 6.1 million.

Administration ranges from over 51 thousand, when **R&D Spend** is 44069.95, to over 252 thousand, when **R&D Spend** is 0.

Marketing Spend and Administration for R&D Spend:

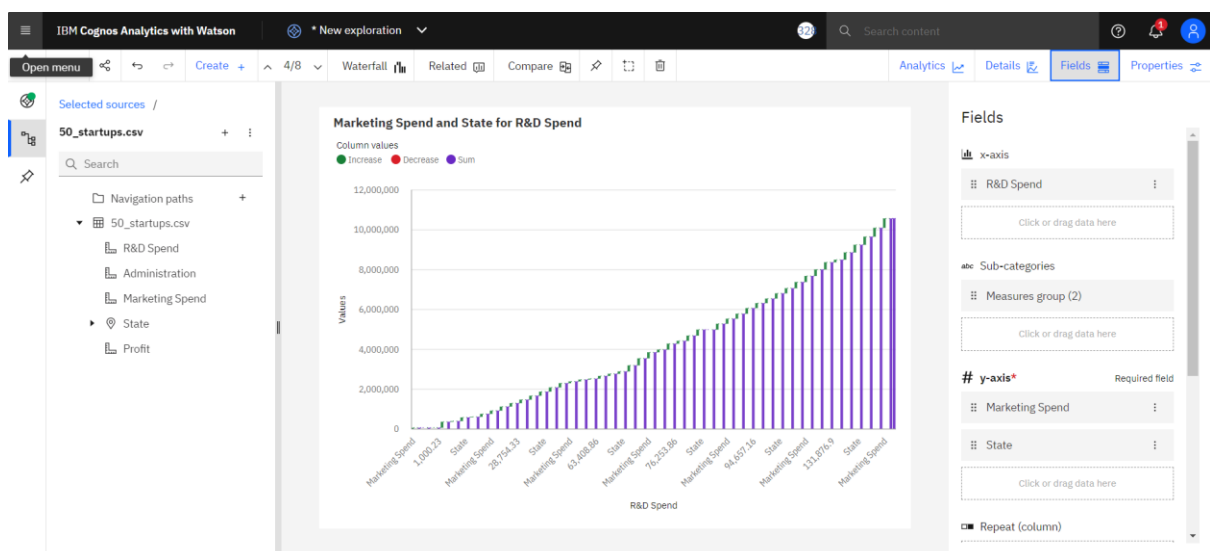


Inference:

Over all **r&d spends**, the sum of **Marketing Spend** is almost 11 million.

For **Marketing Spend**, the most significant values of **R&D Spend** are 165349.2 and 162597.7, whose respective **Marketing Spend** values add up to nearly 916 thousand, or 8.7 % of the total.

Marketing Spend and State for R&D Spend:

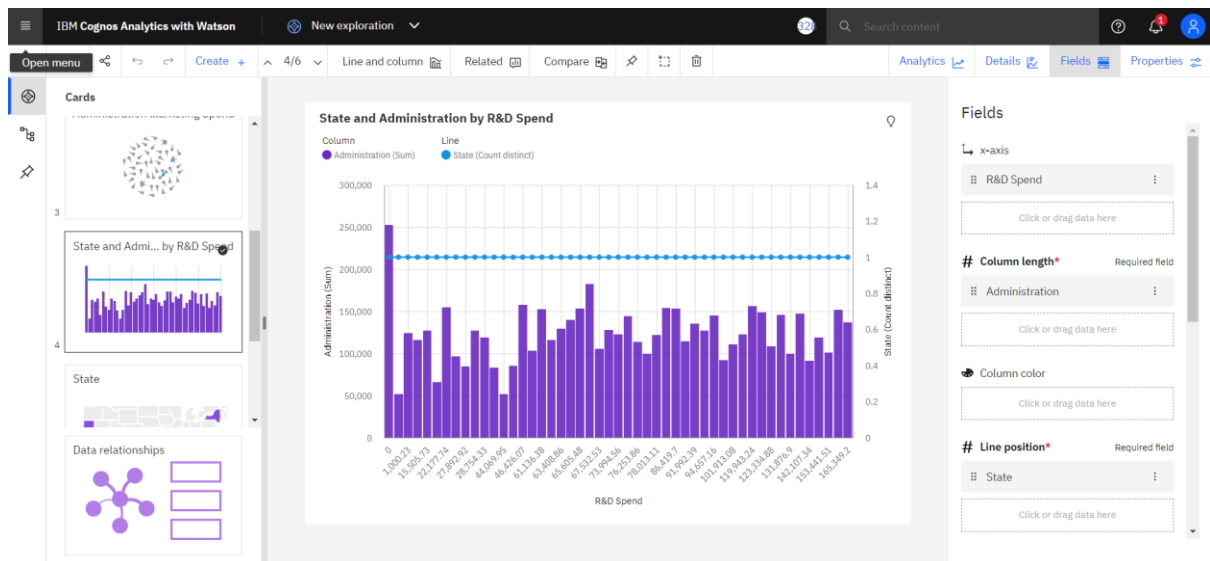


Inference:

The total number of results for **State**, across all **r&d spends**, is 50.

Marketing Spend ranges from 0, when R&D Spend is 542.05, to nearly 472 thousand, when R&D Spend is 165349.2.

State and Administration by R&D Spend:

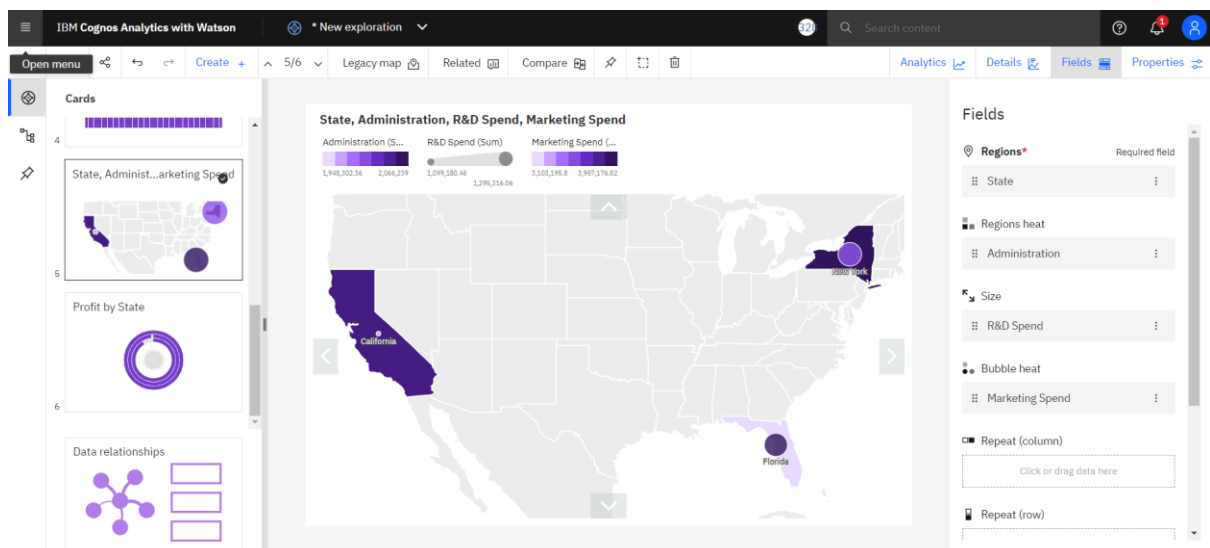


Inference:

Over all **r&d spends**, the sum of **Administration** is nearly 6.1 million.

The total number of results for **State**, across all **r&d spends**, is 50.

State, Administration, R&D Spend, Marketing Spend:

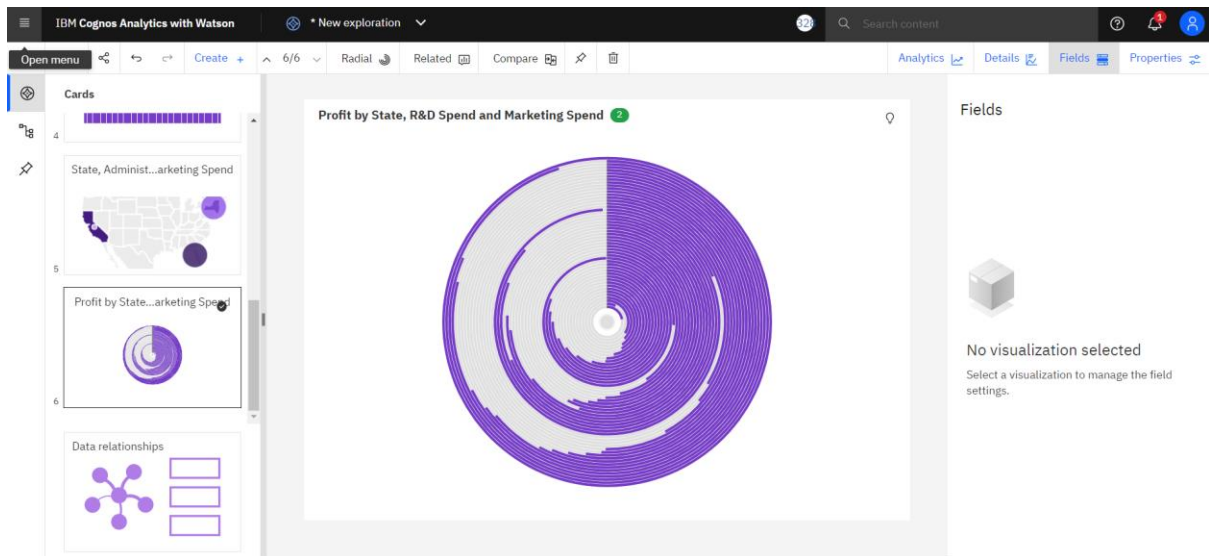


Inference:

The total number of results for **Administration**, across all **states**, is 50.

Across all **states**, the average of **Administration** is over 121 thousand.

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



Inference:

Across all **state - r&d spend - marketing spends**, the sum of **Profit** is over a thousand.

Profit ranges from 0, when **State - R&D Spend - Marketing Spend** is California|0|0, to 48, when **State - R&D Spend - Marketing Spend** is California|22177.74|28334.72.