

Assignment -1

Data Analytics

Assignment Date	08 September 2022
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Challenge:

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

Dataset: [50-Startups-Dataset](#)


Uploading the dataset

50_startups.csv was uploaded successfully.[Hide](#) [Details](#)


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^ Quick launch




Upload data

Upload or drag and drop spreadsheets, csv files, and other data sources.




Prepare data

Use data modules to clean and connect data from multiple resources.



Exploration

Quickly find unbiased answers by identifying trends in your data with data exploration.



Present data

Create sophisticated, multi-page, multi-query dashboards, reports, or stories.




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<input type="checkbox"/>	Name	Type	Last Accessed	
<input type="checkbox"/>	📁 Data Modules	Folder	18/09/2022, 3:44 PM	⋮
<input type="checkbox"/>	📄 50_startups.csv CSV	Uploaded file	20/09/2022, 10:52 PM	⋮
<input type="checkbox"/>	📄 Olympic Events.xlsx xlsx	Uploaded file	18/09/2022, 3:26 PM	⋮
<input type="checkbox"/>	📄 Olympic Medals.xlsx xlsx	Uploaded file	18/09/2022, 3:27 PM	⋮
<input type="checkbox"/>	📄 sales.csv CSV	Uploaded file	18/09/2022, 11:04 AM	⋮
<input type="checkbox"/>	📄 US Superstore data.xls xls	Uploaded file	20/09/2022, 10:12 PM	⋮

Relationships



Marketing spend relationship



Profit relationship

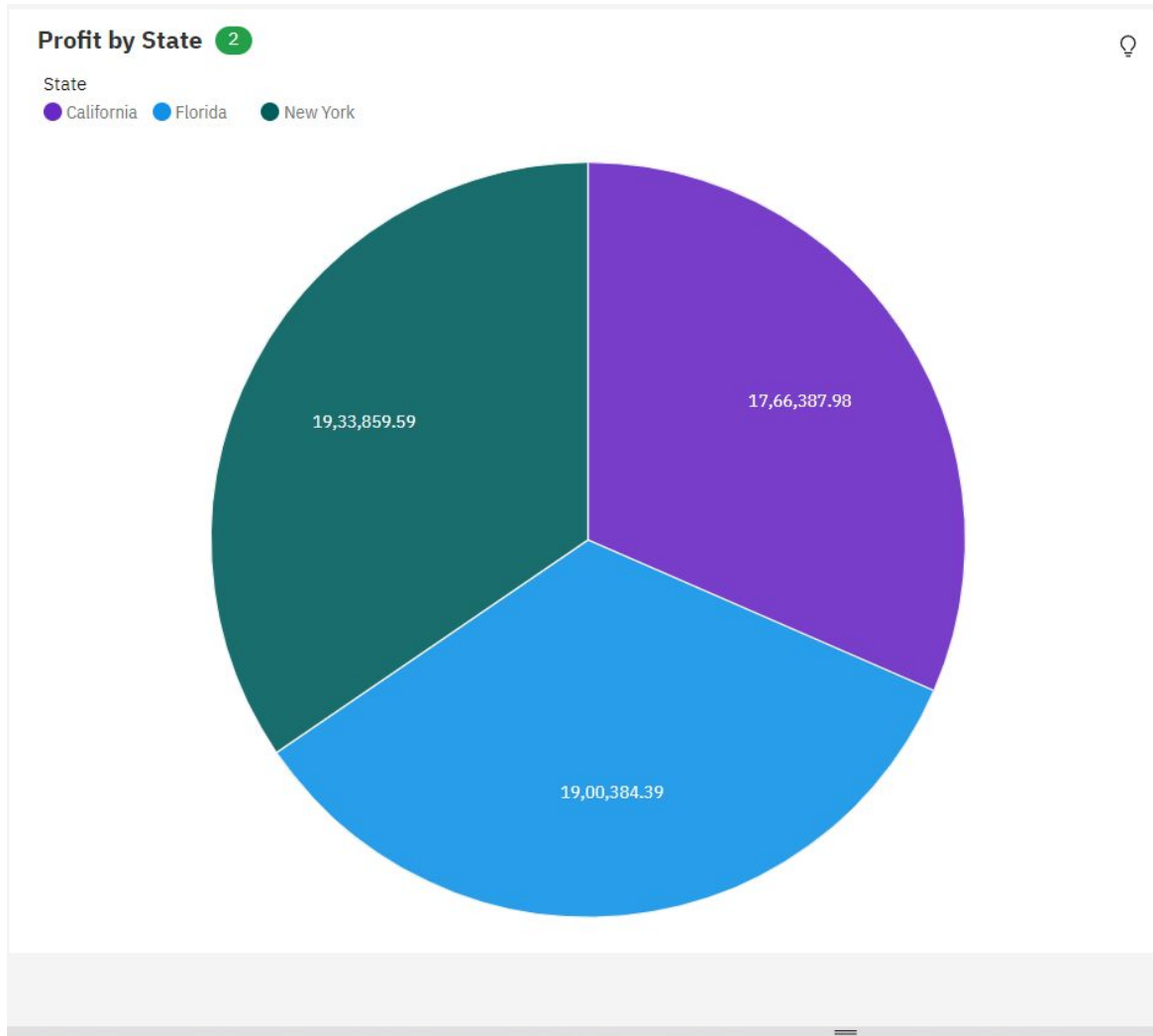


R & D spend relationship



Administration relationship

1. Pie Chart - Profit by State



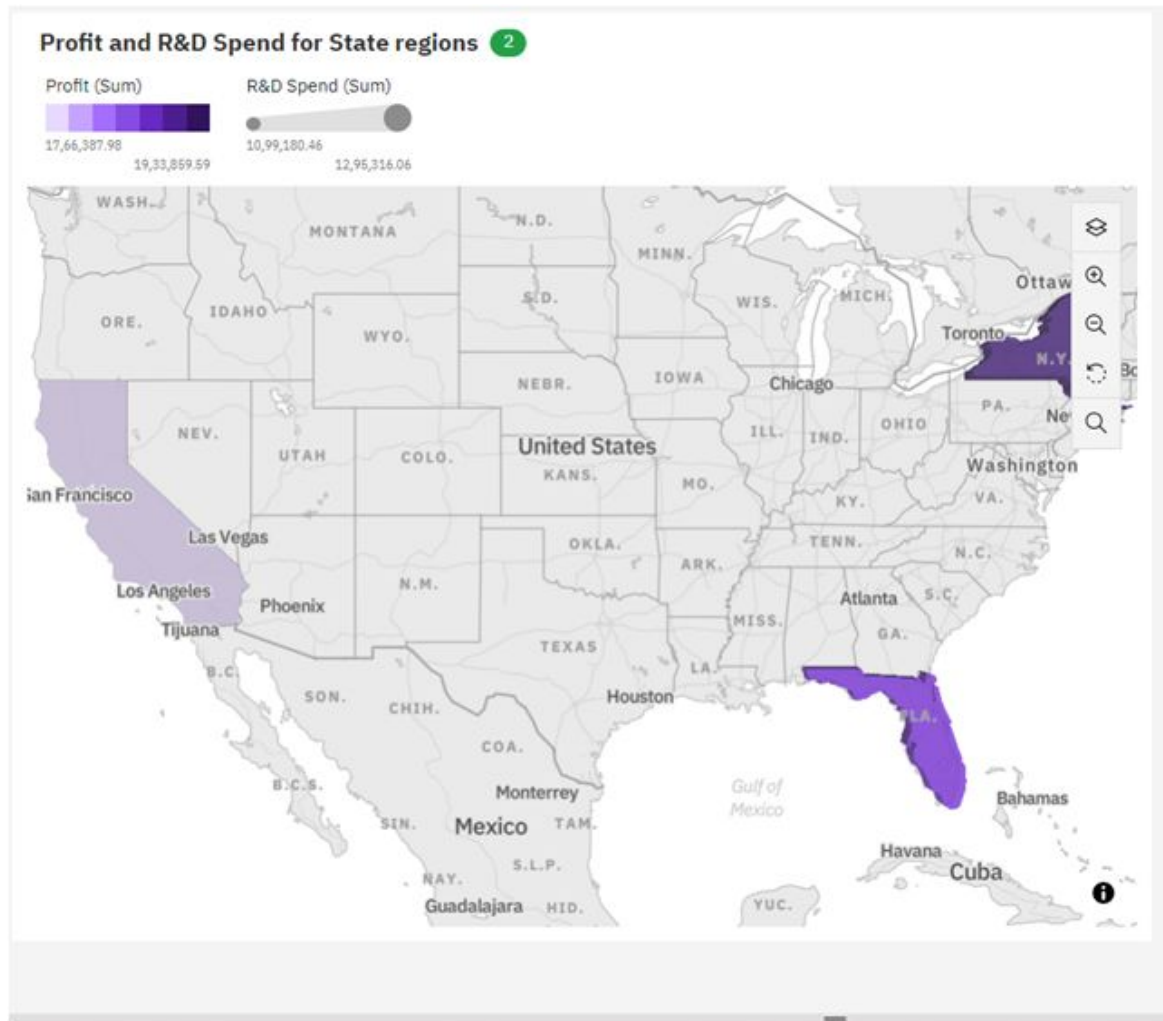
Details

Across all **states**, the sum of **Profit** is over 5.6 million.

For **Profit**, the most significant values of **State** are New York and Florida, whose respective **Profit** values add up to over 3.8 million, or 68.5 % of the total.

Profit ranges from almost 1.8 million, in California, to over 1.9 million, in New York.

2. Map Chart - Profit and R&D spend for State



Details

Across all **states**, the sum of **Profit** is over 5.6 million.

For **Profit**, the most significant values of **State** are New York and Florida, whose respective **Profit** values add up to over 3.8 million, or 68.5 % of the total.

Profit ranges from nearly 1.8 million, in California, to over 1.9 million, in New York.

3. Crosstab Chart - Profit, Administration, R&D spend and Marketing spend for state

Profit, Administration, R&D Spend and Marketing Spend for State 2

	Profit	Administration	R&D Spend	Marketing Spend
California	17,66,387.98	20,52,690.62	10,99,180.46	31,03,195.8
Florida	19,00,384.39	19,48,302.36	12,91,584.26	39,57,176.82
New York	19,33,859.59	20,66,239	12,95,316.06	34,90,882.27
Summary	56,00,631.96	60,67,231.98	36,86,080.78	1,05,51,254.89

The total number of results for **R&D Spend**, across all **states**, is 3.

Across all **states**, the average of **R&D Spend** is over 1.2 million.

The total number of results for **Marketing Spend**, across all **states**, is 3.

Across all **states**, the average of **Marketing**

Details

The total number of results for **Profit**, across all **states**, is 3.

Over all **states**, the average of **Profit** is nearly 1.9 million.

Profit ranges from nearly 1.8 million, in California, to over 1.9 million, in New York.

Administration ranges from over 1.9 million, in Florida, to almost 2.1 million, in New York.

R&D Spend ranges from nearly 1.1 million, in California, to almost 1.3 million, in New York.

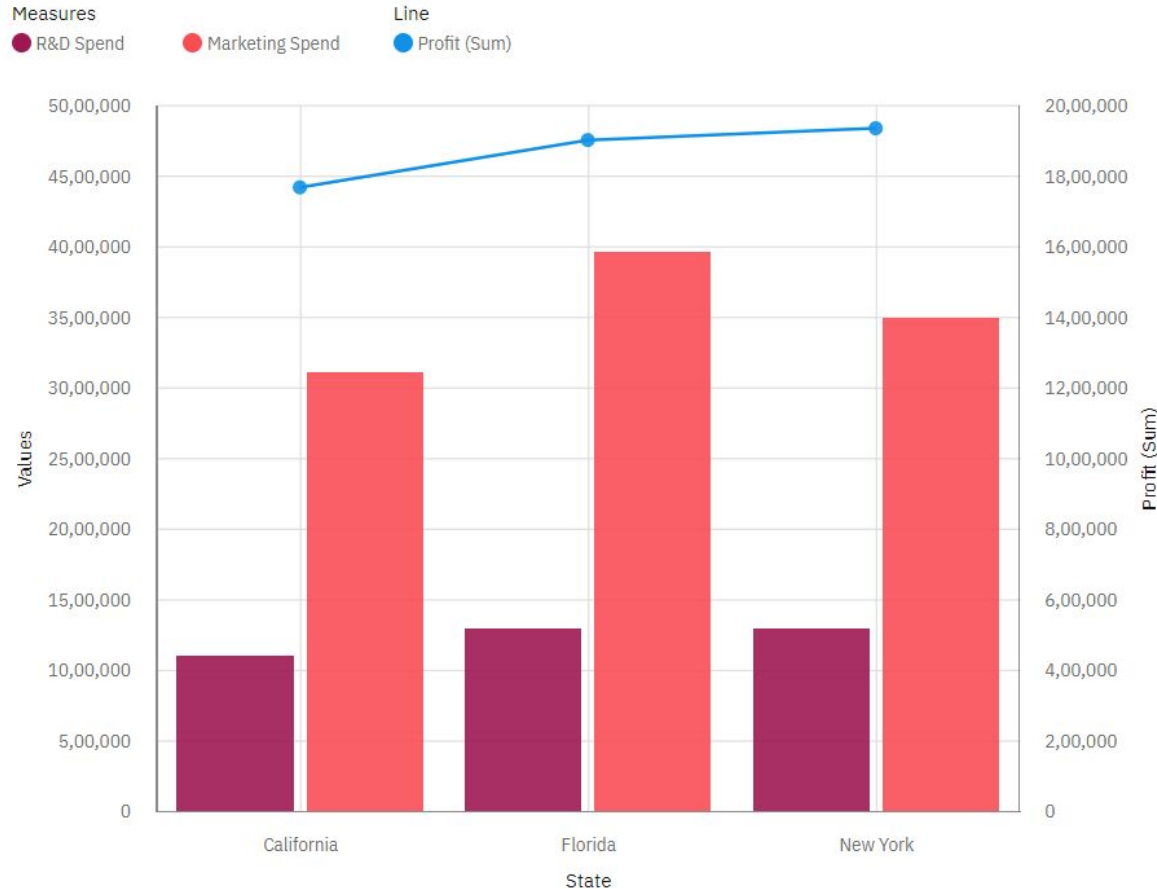
Marketing Spend ranges from over 3.1 million, in California, to almost 4.0 million, in Florida.

The total number of results for **Administration**, across all **states**, is 3.

Across all **states**, the average of **Administration** is over 2.0 million.

4.Line and Column chart - Profit, R&D spend , Marketing spend by State

Profit and R&D Spend and Marketing Spend by State



Details

The total number of results for **R&D Spend**, across all **states**, is 50.

Over all **states**, the average of **R&D Spend** is almost 74 thousand.

The most common values of **State** are New York (34 %) and California (34 %), together occurring 34 times, which is 68 % of the total.

R&D Spend ranges from almost 1.1 million, in California, to almost 1.3 million, in New York.

Marketing Spend ranges from over 3.1 million, in California, to nearly 4.0 million, in Florida.

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

Across all **states**, the average of **Marketing Spend** is over 211 thousand.

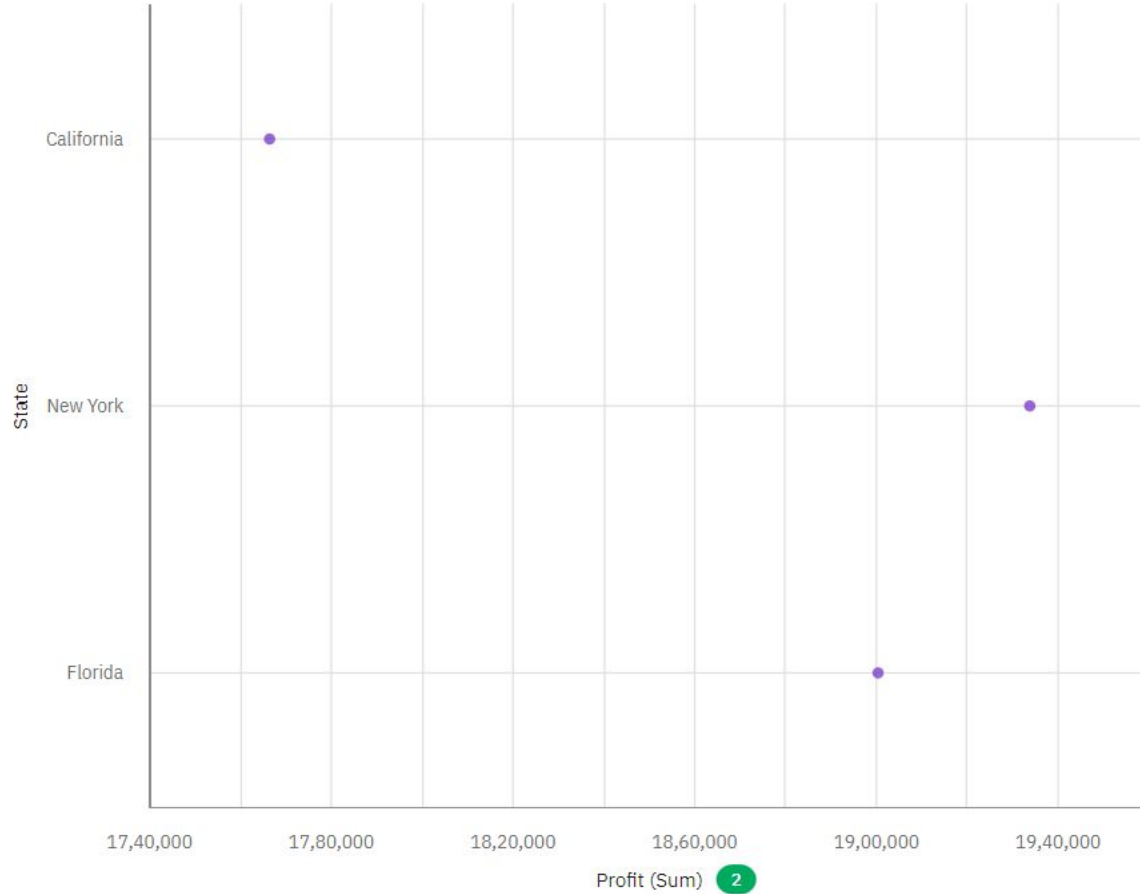
Across all **states**, the sum of **Profit** is over 5.6 million.

For **Profit**, the most significant values of **State** are New York and Florida, whose respective **Profit** values add up to over 3.8 million, or 68.5 % of the total.

Profit ranges from nearly 1.8 million, in California, to over 1.9 million, in New York.

5. Scatter Chart - Profit by State

Profit by State



Details

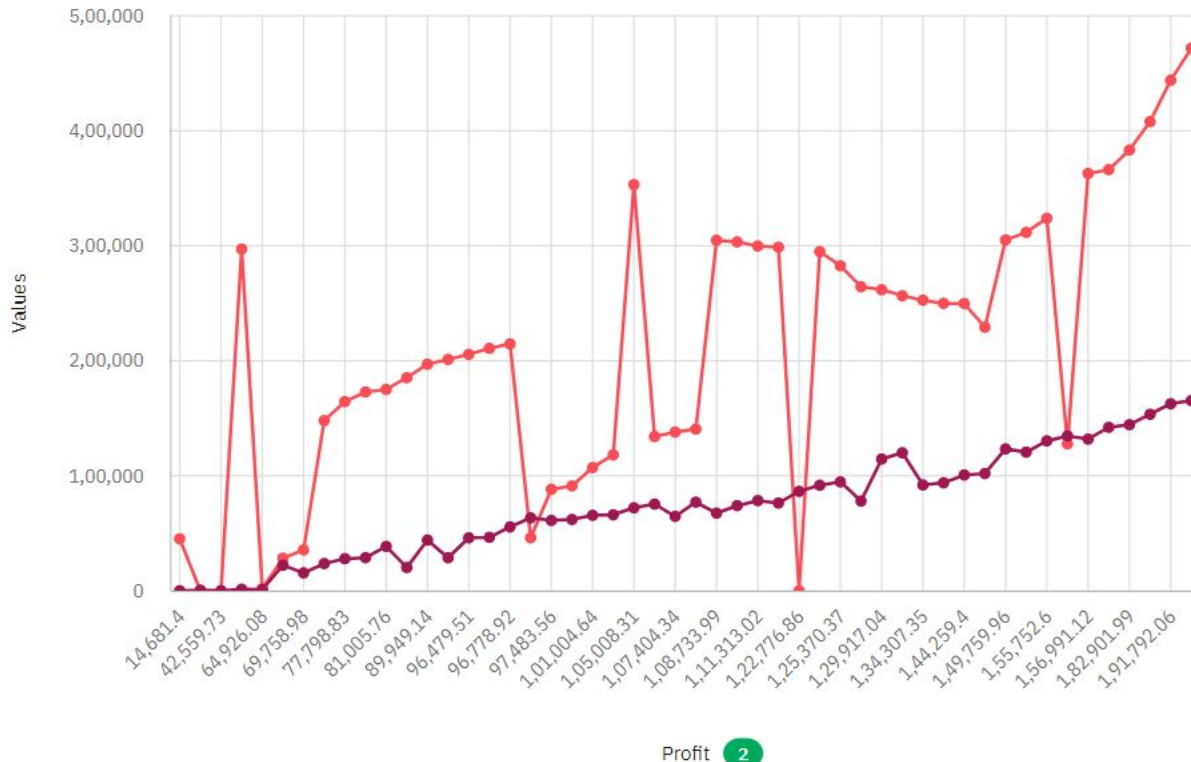
The total number of results for **State**, across all **profits**, is 50.

6. Line Chart - R&D spend and Marketing spend by Profit

R&D Spend and Marketing Spend by Profit

Measures

● R&D Spend ● Marketing Spend



Details

R&D Spend ranges from 0, when **Profit** is 14681.4, to over 165 thousand, when **Profit** is 192261.83.

Marketing Spend ranges from 0, when **Profit** is 35673.41, to almost 472 thousand, when **Profit** is 192261.83.

The total number of results for **Marketing Spend**, across all **profits**, is 50.

Across all **profits**, the average of **Marketing Spend** is over 211 thousand.

The total number of results for **R&D Spend**, across all **profits**, is 50.

Over all **profits**, the average of **R&D Spend** is nearly 74 thousand.

7. Summary - Profit

Profit 2

5.6M

Profit

Details

The total number of results for **Profit** is 50.