

# **Assignment -1**

## **Data Analytics**

### **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

# Welcome to Cognos Analytics with Watson.

Get started right away by taking a look at our introduction video, product tour and Getting started guide.


Take a product tour






### 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.

Recent

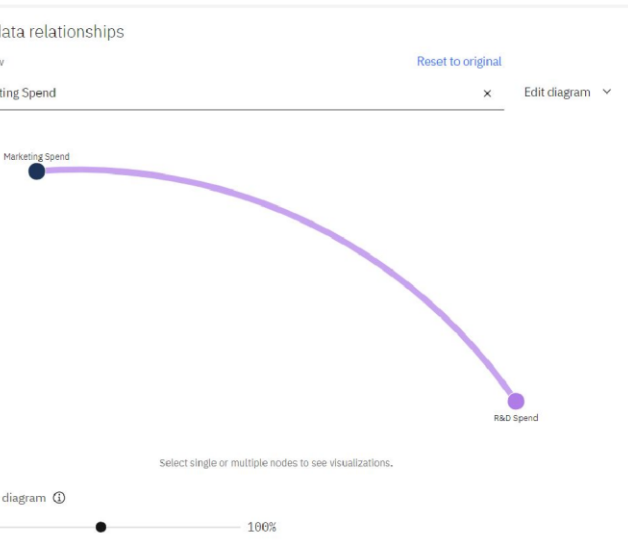
with Watson 16 Search content

Team content Samples

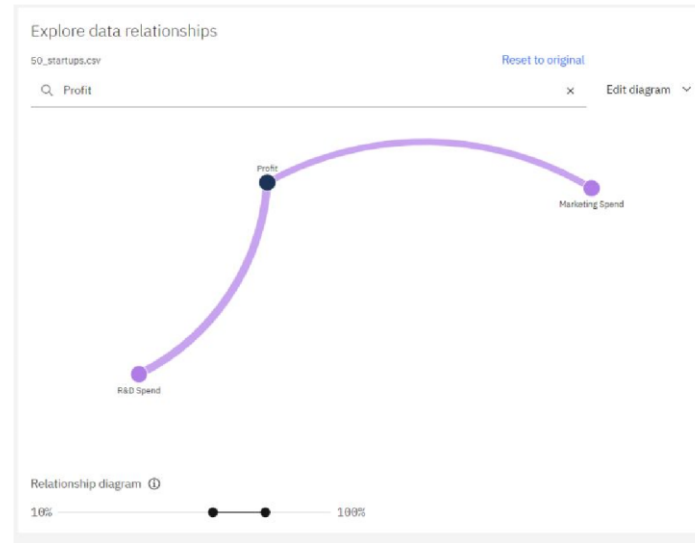
New +

	Type	Last Accessed	
	Folder	18/09/2022, 3:44 PM	
sv CSV	Uploaded file	20/09/2022, 10:52 PM	
ts.xlsx xlsx	Uploaded file	18/09/2022, 3:26 PM	
ts.xlsx xlsx	Uploaded file	18/09/2022, 3:27 PM	
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o data.xls xls	Uploaded file	20/09/2022, 10:12 PM	

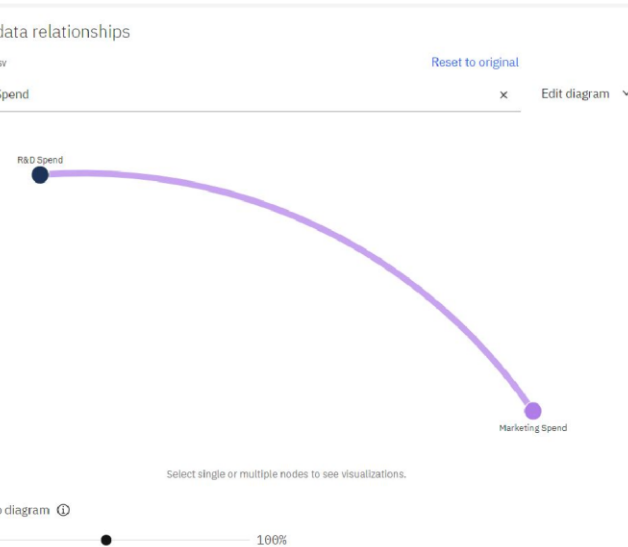
# Relationships



Marketing spend relationship



Profit relationship



R & D spend relationship



Administration relationship

# 1. Pie Chart - Profit by State



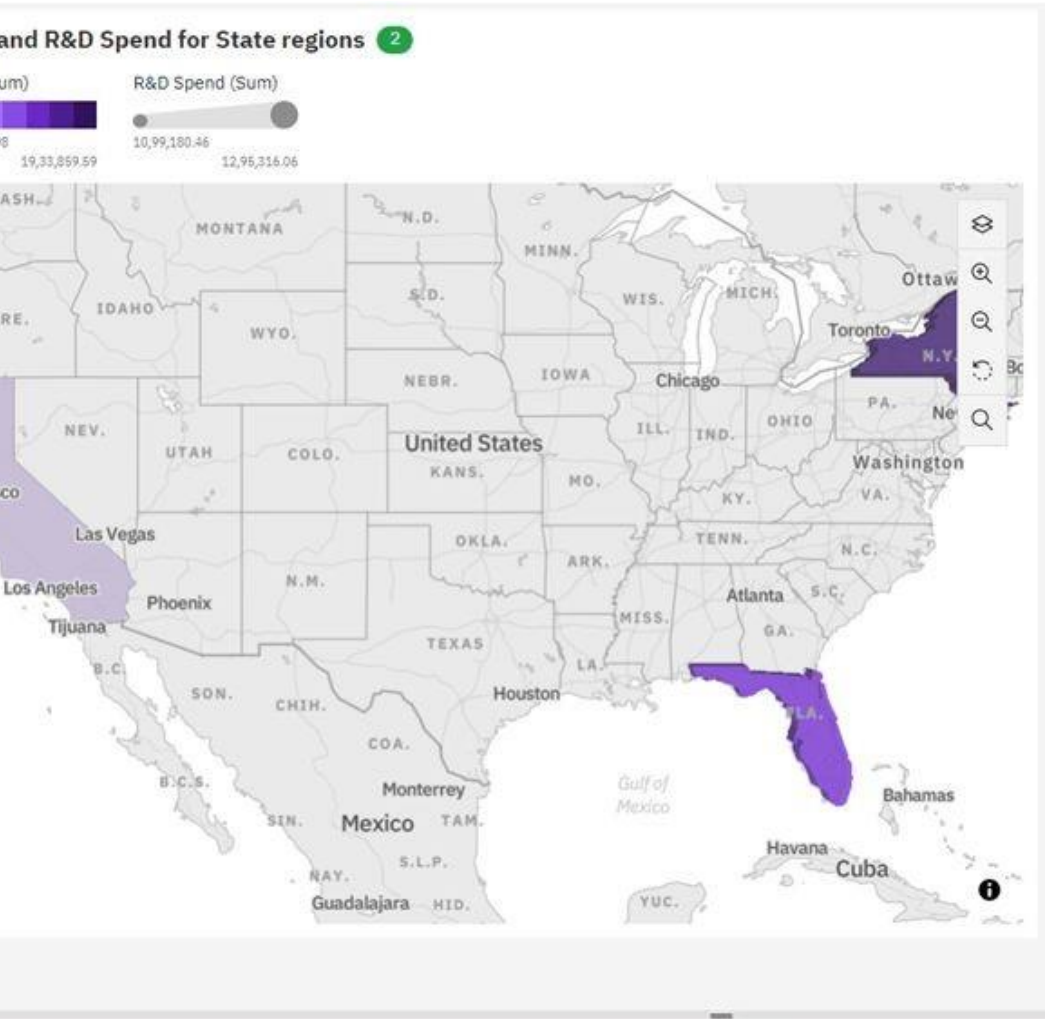
## Details

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, and Marketing spend for state**

**R&D spend**



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

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

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.

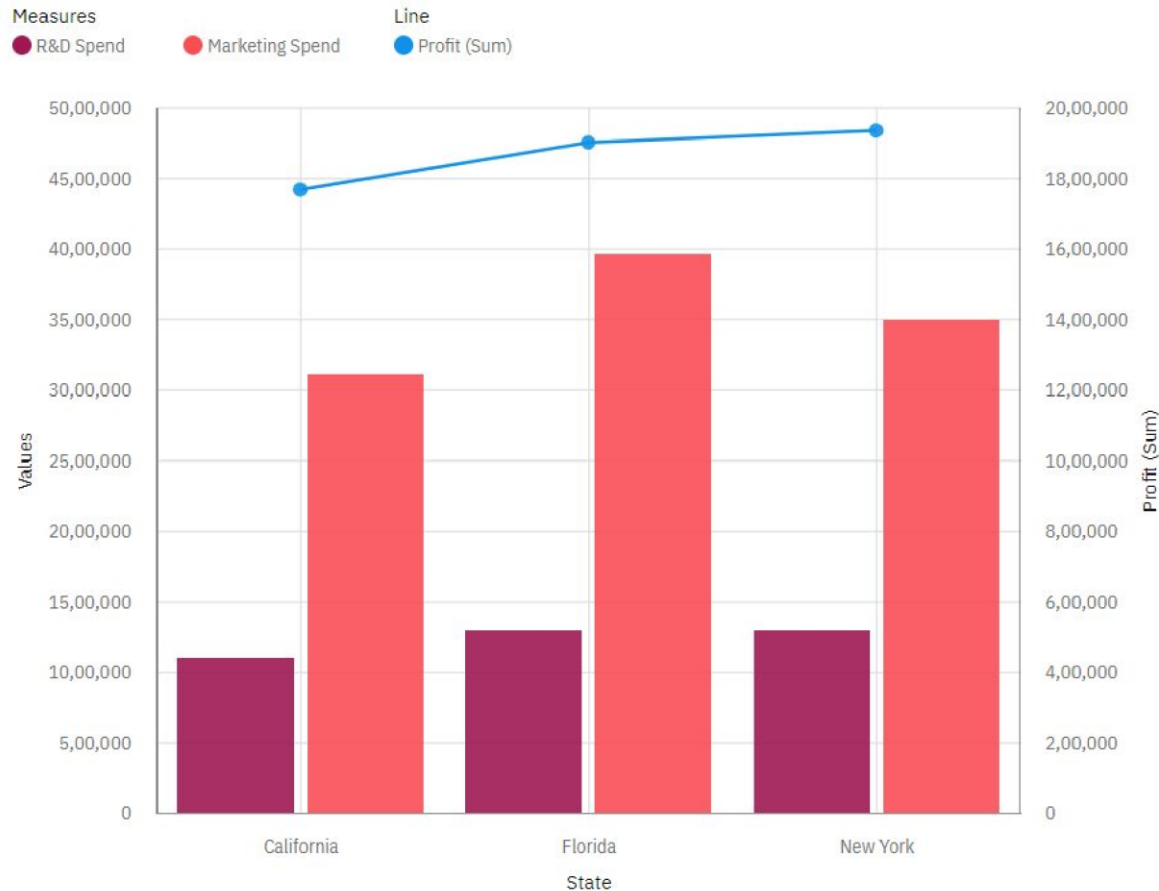
**Marketing Spend** ranges from over 3.1 million, in California, to almost 4.0 million, in Florida.

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.

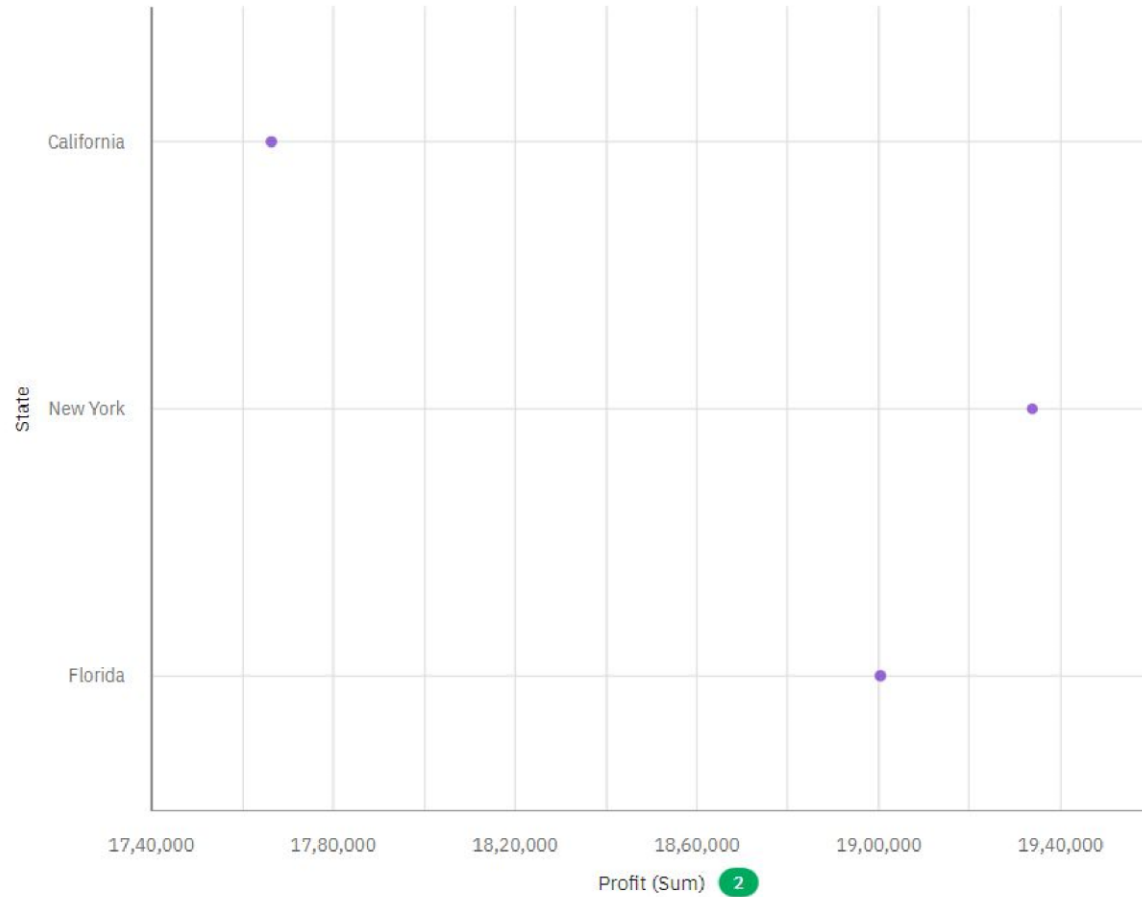
Across all **states**, the sum of **Profit** is over 5.6 million.

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



### 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.