Assignment -1

Assignment Date	09 September 2022
Student Name	Divya . V
Student Roll Number	210519205013
Maximum Marks	2 Marks

QUESTIONS :

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

Screenshot 1

IBM Cognos Analytics with Watson

assignment 1

Search content

Create | 2/6 | Scatter | Related | Compare

Analytics | Details | Fields | Properties

Cards

Profit by R&D Spend

1

Administration b...ints for Profit

2

Data relationships

Administration by Profit with points for Profit 4

Profit (Sum)
500,000
400,000
300,000
200,000
100,000
0

50,000 100,000 150,000 200,000 250,000 300,000 350,000 400,000 450,000 500,000
Administration (Sum)

Details

The total of **Profit** is over 12 million.

Profit and **Administration** have a weak positive linear association, being Profit = 51224 + 0.7555 * Administration

Screenshot 2

IBM Cognos Analytics with Watson

assignment 1

Search content

Create | 3/6 | Bubble | Related | Compare

Analytics | Details | Fields | Properties

Cards

2

Marketing Spend ...ints for Profit

3

Profit by State

Data relationships

Marketing Spend by Profit with points for Profit 4

Marketing Spend (...
0   1,000,000

Profit (Sum)
500,000
400,000
300,000
200,000
100,000
0

0 100,000 300,000 500,000 700,000 900,000
Marketing Spend (Sum) 1

Details

The total of **Profit** is over 12 million.

Profit is unusually low when **Marketing Spend** is 594,229.

Profit and **Marketing Spend** have a medium positive linear association, being Profit = 63039 + 0.3753 * Marketing Spend

Analytics 📈 | Details 📊 | Fields 🖩 | Properties ⇄

Cards

Profit by State ✓

Profit

Data relationships

Profit by State

State
- California
- Florida
- New York

Profit (Sum) **4**
(axis: 0, 500,000, 1,500,000, 2,500,000, 3,500,000, 4,500,000)

Details

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.

Analytics 📈 | Details 📊 | Fields 🖩 | Properties ⇄

Cards

Profit ✓

Profit and Stat...pend and State

Data relationships

Profit

Predictive strength
(axis: 0, 20, 40, 60, 80, 100)

Profit by R&D Spend (Group) and Marketing Spend (Group)

Profit (Average)
48,799.99   191,701.48

| | 78630.683 to < 157261.367 | | 235892.050 to < 314522.733 | | 393153.417 an... |
| less than 78630.683 | | 157261.367 to < 235892.050 | | 314522.733 to < 393153.417 | |

Add +

Properties

Value axis show zero origin ⦿

Analytics 📈   Details 📊   Filters ⛋   Fields ☰   Properties ⇄

Create +   ∧ 6/6 ∨   Column 📊   Related 🖾   📌   ⬚   📊   🖽   Sync ∨   🗑

Cards

Profit

Profit and Stat...pend and State

Data relationships

Chart A

Profit and State by State   💡

Column
● State (Count)

Line
● Profit (Sum)

State

Chart B

Profit by R&D Spend, Administration, Marketing Spend and State   💡

Summary	Chart A : State ∨	Chart B : Profit	Combined
Chart percent of data set	100%	100%	-
Average	36	218,938.68	-
Chart total	108	12,260,566.08	-