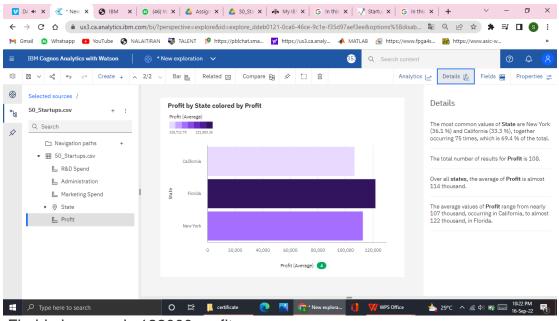
**NAME** : VINOTHINI P **TEAM ID** : PNT2022TMID00675 ROLL NO : 211419104306 BATCH NO : B4-4M6E **PROJECT** : Airlines Data Analytics for Avaition Industry **ASSIGNMNET NO: 01** 

## **DATA EXPLORATION:** 💟 DA-1 \* × 🎉 \*New E × 🚱 IBM X | 💟 DA-85-5 X | 💿 (46) Wh. X | 4 My IBM X | G In this s X | 📝 Startup: X | G In this s X | + V - G X ← → C 🕜 🕯 us3.ca.analytics.ibm.com/bi/?perspective=explore&id=explore\_e14b5e35-c866-4e84-8c9a-d69dcaf1e762&coptions%58disab... 🕲 🝳 😥 🖈 🕻 🗊 🔲 🔇 🗜 M Gmail 🙆 Whatsapp 🔼 YouTube 🔇 NALAITIRAN 🜷 TALENT 🤔 https://pblchat.sma... 📝 https://usa.ca.analy... 🗼 MATLAB 🔏 https://www.fpga4s... 🜇 https://www.fpga4s... 353 Q Search content IBM Cognos Analytics with Watson 💮 \* New exploration 🗸 ⊗ Select a visualization Explore data relationships Ъ ø Q Profit Edit diagram 🗸 12.3M Add +

#### **DATA VISUALIZATION**

#### Profit by State colored by Profit(AVERAGE) - BAR GRAPH

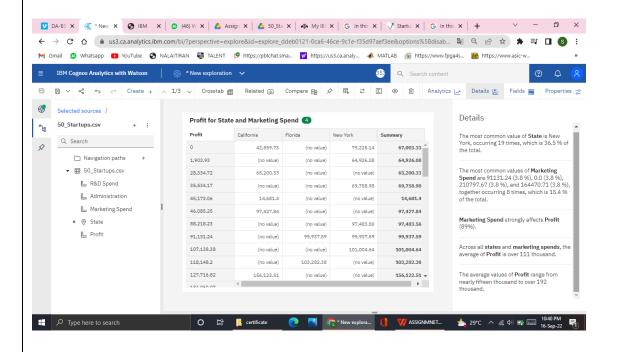


Florida has nearly 122000 profit average.

#### **Profit by State(PIE CHART)** U D/ ← X 🥷 \*New X 🚳 IBM X | ⑤ (46) V: X | △ Assign X | △ 50\_Sto X | ♣ My IBI X | G In this X | √ Startu X | G In this X | + V - ☐ X ← → C 🕜 (a us3.ca.analytics.ibm.com/bi/?perspective=explore&id=explore\_ddeb0121-0ca6-46ce-9c1e-f35d97aef3ee&options%58disab... 🔞 🔍 🖈 🖈 🗊 🛽 💿 🚼 M Gmail 🔞 Whatsapp 🔼 YouTube 🔇 NALAITIRAN 🚭 TALENT 🥬 https://pblchat.sma... 💟 https://usv.a.ca.analy... 📣 MATLAB 🚵 https://www.fpga4s... 📻 https://www.asic-w... IBM Cognos Analytics with Watson 💮 \* New exploration 🗸 353 Q Search content $\square$ $\vee$ $\triangleleft$ $\hookrightarrow$ Create + $\wedge$ 2/2 $\vee$ Pie $\bigcirc$ Related $\bigcirc$ Compare $\bigcirc$ $\cancel{\square}$ Analytics 🗠 Details 🖺 Fields 🚆 Properties 😤 ⊗ Profit by State 4 50\_Startups.csv ъ California New York Florida The average values of **Profit** range from almost 107 thousand, occurring in California, to almost 122 thousand, in Florida. Q Search □ Navigation paths ▼ I 50\_Startups.csv The total number of results for **Profit**, across all **states**, is 108. IL., R&D Spend The most common values of **State** are New York (36.1 %) and California (33.3 %), together occurring 75 times, which is 69.4 % of the total. Marketing Spend ▶ ⊚ State L Profit

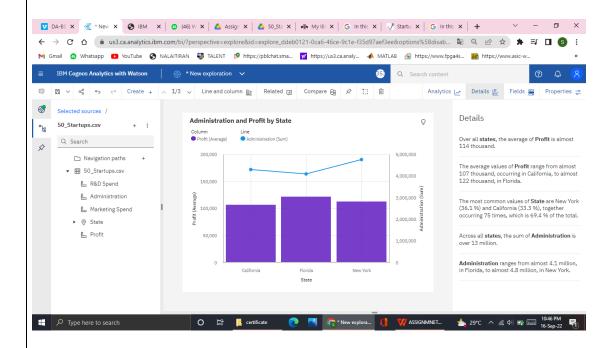
Newyork State has high profit rate when compared to all other states.

## **Profit for State and Marketing Spend (CROSS TABLE)**

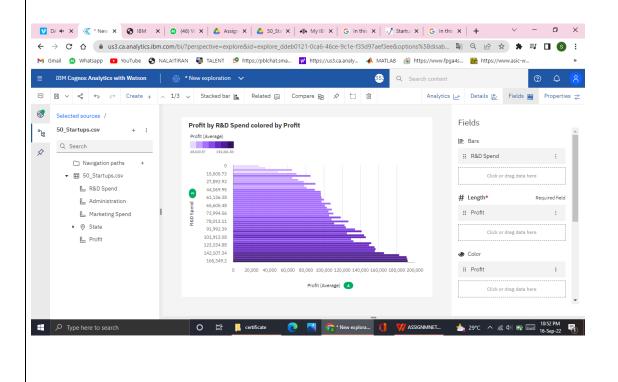


Marketing Spend strongly affects Profit

### Administration and Profit by State (Line and Column)



### Profit by R&D Spend colored by Profit (STACKED BAR)



# **Profit by State and Administration (AREA)** U DA-BS X 🥷 °New X 🗞 IBM X | ⑤ (46) W X | △ Assign X | △ So\_Sta X | ♣ My IBI X | G In this X | √ Startu X | G In this X | + ✓ - □ X ← → C 🕜 (a us3.ca.analytics.ibm.com/bi/7perspective=explore&id=explore\_ddeb0121-0ca6-46ce-9c1e-f35d97aef3ee&options%58disab... 🔞 🔍 🔅 🖈 🗯 🗖 🚯 🗧 M Gmail 🐧 Whatsapp 💶 YouTube 📀 NALAITRAN 🜷 TALENT 🥬 https://pbichat.sma... 📆 https://pbichat.sma... 📆 https://www.sic-w... 🖺 ∨ 🧠 ⇔ ⇔ Create + ∧ 1/3 ∨ Area 🛳 Related 🔟 Compare 📵 🖈 🗓 ⊗ Profit by State and Administration 50\_Startups.csv ъ Q Search The total number of results for R&D Spend, across all state - administrations, is 108. Navigation paths + Across all **state - administrations**, the average of **R&D Spend** is over 54 thousand. ▼ ≣ 50\_Startups.csv L R&D Spend The most common values of **State - Administration** are California|91790.61 (36.1 %) and California|51283.14 (33.3 %), together occurring 75 times, which is 69.4 % of the total. Marketing Spend ▶ ⊚ State The total number of results for **Profit**, across all **state - administrations**, is 108. The average values of **Profit** range from 0, occurring when **State - Administration** is California|51283.14, to 49, when **State - Administration** is California|91790.61. State - Administration Type here to search 29°C ∧ //6 Ф) 🖙 🚞 10:56 PM 16-Sep-22 O 🛱 📙 certificate 🕟 🔼 🌾 New explora... 🚺 🏋 ASSIGNMNET...