

Profit Analysis

Task:

Perform Regression Analysis for the given data to identify how the money spent on Marketing, R&D, and Administration is affecting the company's Profit. Predict the Profit for the below-given input features.

| R&D Spend | Administration | Marketing Spend | Profit |
|-----------|----------------|-----------------|--------|
| 21892.92 | 81910.77 | 164270.7 | |
| 23940.93 | 96489.63 | 137001.1 | |

1. Visualize the data using Tableau /PowerBI and derive insights about all the features provided and give your inputs/suggestions to the company.

About Dataset:

This particular dataset holds data from 50 startups in New York, California, and Florida. The features in this dataset are R&D spending, Administration Spending, Marketing Spending, location features, and Profit.

Attribute Information:

1. **R&D spending:** The amount that startups are spending on Research and development.
2. **Administration spending:** The amount that startups are spending on the admin panel.
3. **Marketing spending:** The amount that startups are spending on marketing strategies.
4. **State:** To which state that particular startup belongs.
5. **Profit:** How much profit that particular startup is making.

