PRDA – 01 Profit Analysis

Task:

1. Get data from the database with the given credentials.
2. 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	

3. 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.

Link for dataset:

Host:	18.136.157.135
Domain Name:	projects.datamites.com
DB NAME:	project_profit_analysis
Table Name:	startup
Username:	dm_team5
Password:	DM!$!Team!520@4!23&

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.

You can provide your inputs/solution as a PPT presentation and you can explain your project, record it and send it with the PPT file.