Overview of Multiple Linear Regression Example

Dataset Link:

https://www.kaggle.com/divyam811/50-startups

Dataset Content:

This dataset contains five columns with information about 50 companies. The five columns contain information how much those companies spend on admin, research and development (R&D), and marketing, their location by state, and their profit for the most recent year.

Problem:

We were hired from an investor and we were asked to give information on what kind of companies would make the most sense to invest in in the future based on their profit.

Solution:

We want to develop a regression model using Multiple Linear Regression which allows us to predict the profit of a company based on the amount of money they allocate for marketing and R& purposes.

Variables:

Independent variable/Predictor🡪 Marketing Spend, R&D Spend.

Dependent variable/ Outcome variable 🡪 Profit.