Multiple Linear Regression

**Assignment Task:**

Your task is to perform a multiple linear regression analysis to predict the Profit of startup company based on the given attributes.

**Tasks:**

1.Perform exploratory data analysis (EDA) to gain insights into the dataset. Provide visualizations and summary statistics of the variables. Pre process the data to apply the MLR.

2.Split the dataset into training and testing sets (e.g., 80% training, 20% testing).

3.Build a multiple linear regression model using the training dataset. Interpret the coefficients of the model. Build minimum of 3 different models.

4.Evaluate the performance of the model using appropriate evaluation metrics on the testing dataset.

**NOTE:**

Ensure to properly comment your code and provide explanations for your analysis.

Include any assumptions made during the analysis and discuss their implications.