**Linear Regression model:**

* Regression model equation:

**Profit = 49032.9 + (0.85\* R & D Spent)**

Which means for every one dollar spent in R & D will increase the profit by 0.85 dollar.

* R^2 value is 0.947, which means the 94.7% of the change in profit is explained by the predictor (R & D Spent). The model fit is good.

**Multiple Regression model:**

* Regression model equation:

**Profit = 45542.39 + (0.78 \* R&D Spent) + (0.04 \* Marketing Spent)**

Which means for every one dollar spent in R & D will increase the profit by 0.78 dollar and for every one dollar spent in marketing will increase the profit by 0.04 dollar.

* R^2 value is 0.952, which means the 95.2% of the change in profit is explained by the predictors (R & D Spent and Marketing spent). The model fit is good.
* The R & D spent is a significant predictor and the Marketing spent is not that significant as it has only a smaller impact on the profit.
* Mean Squared Error Value (MSE) is 67343832.59, which shows how far the mean is deviated from the actual value.