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Week 35 project

The dataset used for the training is startup.csv. it contains 4 columns

- R&D Spend
- Administration
- Marketing Spend
- Profit

And 50 rows.

Metrics:

Mean absolute error - MSE represents the difference between the original and predicted values which are extracted by squaring the average difference over the data set. Given data we find the MAE to be 7320.44 approximately.

RMSE (Root Mean Squared Error) - It's the error rate by the square root of MSE. Our calculated RMSE is 8803.775790469352

R2 - 0.9393955917820569 ~ 1

Conclusion

From the data we get an R2 of about 0.9393955917820569 which is significantly higher thus meeting the right standards. It also proves that the best fit line passes through much of the data.