

MINOR PROJECT – 1 (COGNITIVE APPLICATION)

THEORY QUESTIONS

1. What is overfitting and how to avoid it?
2. What is RMSE and MSE? How can you calculate them?
3. What is Line of best fit?
4. Explain multivariant linear regression using a real-life example.
5. How can we improve the accuracy of a linear regression model?

Simple Linear Regression with Python

Implement the **Simple Linear Regression** algorithm over the dataset given below

Dataset:

https://s3.us-west-2.amazonaws.com/public.gamelab.fun/dataset/salary_data.csv

Reference:

<https://towardsdatascience.com/machine-learning-simple-linear-regression-with-python-f04ecfdadc13>

For the final submission either provide us with the link to the Github repository or upload your .ipynb file.