

Artificial Intelligence with Python

Lab Task 1

Import the Salary dataset from kaggle website (<https://www.kaggle.com/karthickveerakumar/salary-data-simple-linear-regression>) to your python environment. This dataset contains columns namely 'YearsofExperience' and 'Salary'. Train a linear regression classifier to fit the data. Use Salary as a target column (y).

Form the models with following configurations

(1) 50% Train, 50% Test

(2) 70% Train, 30% Test

(3) 80% Train, 20% Test

Analyze the mse, RMSE for each configuration.

Write your own function to determine MSE/RMSE. Crosscheck it with the results given by sklearn metrics.