

AI Academy: Introduction to Data Mining

Week 8 Workshop

Workshop 8 contains 0 questions.

1 Linear Regression

1. Given the following four training data points of the form (x, y) : $(2, 5)$, $(0, -2)$, $(1, -3)$, $(3, -4)$,
estimate the parameters for linear regression of the form $y = w_1x + w_0$.
 - (a) Determine the values of w_1 and w_0 and show each step of your work.
 - (b) Calculate the training RMSE for the fitted linear regression. Show your work.