Honework 01

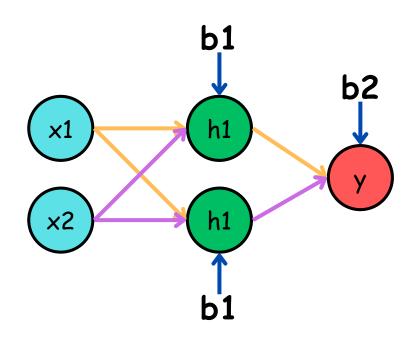


Zahra Amini Filoger Deep Learning

Topic: NN & Backpropagation

Point: 1200

Deadline: 1403-04-14, 12(noon)



$$w^{1} = \begin{bmatrix} 2.5 & 1 \\ -1.5 & -3 \end{bmatrix}, w^{2} = \begin{bmatrix} 1 & 0.5 \end{bmatrix}$$

$$b^{1} = +1$$
 $b^{2} = +1$

Activation Function hidden & output Layer=Sigmoid
Use MRE as Loss Function

Compute two Step of backpropagation Update $W_{12}^1 \times b^1$

House Price Prediction

Implement Linear Regression in Python, using a Deep Learning Neural Network and optimize it.

Hint: Just use these columns:

price, latitude, longitude, baths, bedrooms, Area Size