

# SupervisedMachineLearning-WEEK-1-QUIZ-2

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Practice quiz: Regression  
Graded Assignment • 10 min

English ▾ Due Nov 12, 11:59 PM +07

Your grade: 100%

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Your latest: 100% • Your highest: 100% • To pass you need at least 70%. We keep your highest score.

1 / 1 point

1. For linear regression, the model is  $f_{w,b}(x) = wx + b$ .

Which of the following are the inputs, or features, that are fed into the model and with which the model is expected to make a prediction?

☒  $x$

☐  $m$

☐  $w$  and  $b$ .

☐  $(x, y)$

✓ Correct

The  $x$ , the input features, are fed into the model to generate a prediction  $f_{w,b}(x)$

2. For linear regression, if you find parameters  $w$  and  $b$  so that  $J(w, b)$  is very close to zero, what can you conclude?

☐ The selected values of the parameters  $w$  and  $b$  cause the algorithm to fit the training set really poorly.

☐ This is never possible -- there must be a bug in the code.

☒ The selected values of the parameters  $w$  and  $b$  cause the algorithm to fit the training set really well.

✓ Correct

When the cost is small, this means that the model fits the training set well.