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Practice quiz: Regression

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1.

1 / 1 point

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, y)
- ☐ m
- ☒ x
- ☐ w and b .

✓ **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?

1 / 1 point

- ☐ 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.

