

# 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?

- ☐  $w$  and  $b$ .
- ☒  $x$
- ☐  $m$
- ☐  $(x, y)$

✓ **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?

1 / 1 point

- ☐ The selected values of the parameters  $w$  and  $b$  cause the algorithm to fit the training set really poorly.
- ☒ The selected values of the parameters  $w$  and  $b$  cause the algorithm to fit the training set really well.
- ☐ This is never possible -- there must be a bug in the code.

✓ **Correct**

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