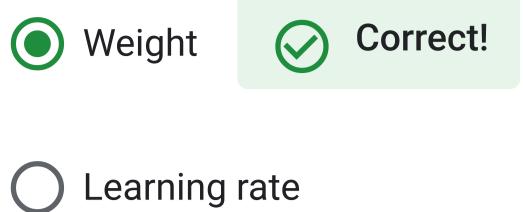
## Linear Regression: Test Your Knowledge -

ML Concepts ▼

Let's do a quick test! You must answer at least 4 questions correctly to pass this quiz.



1. Which of these is an example of a parameter that is calculated during training for a linear regression model?



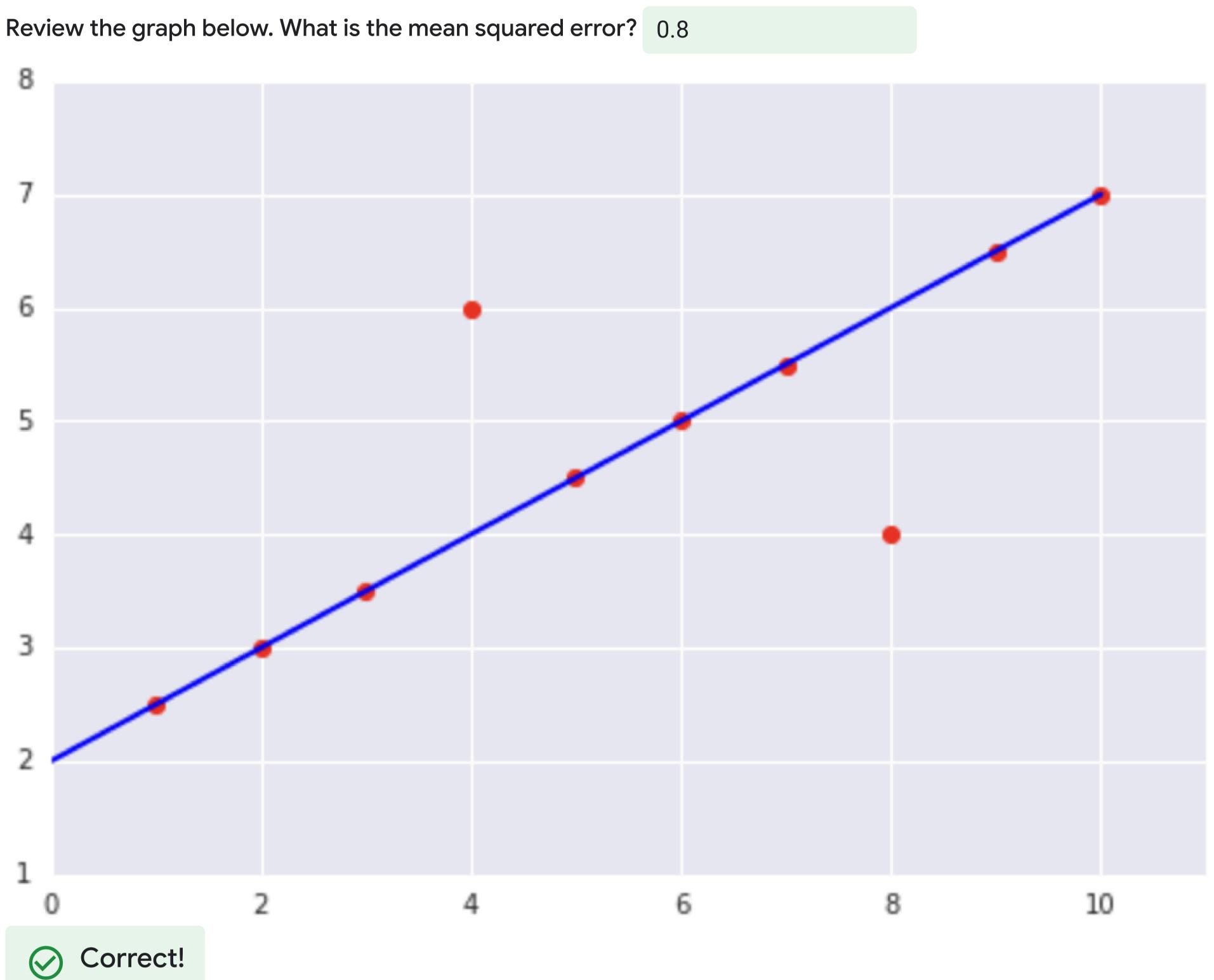
- Prediction
- Label

## 2. Fill-in-the-blanks Enter one or more words to complete the sentence.

Suppose you are building a linear regression model to predict the sale price of a used car. The training dataset includes the following information: sale price (label), model year (feature), MSRP (feature), odometer mileage (feature), gas mileage (feature). How many weights will there be for this model? 4

Correct!

## 3. Fill-in-the-blanks Enter one or more words to complete the sentence.



4. Which of these controls the size of the steps of the gradient descent algorithm?

- Learning rate Correct Loss function
- Batch size
- Regularization rate
- 5. Suppose you are training a linear regression model and after about 100 iterations you notice that the loss is high and trending downward, but not by a significant amount. What is likely to be the problem?
- The learning rate is too

The learning rate is too large.

- small.
- If the learning rate is too low, loss values will decrease very slowly during gradient descent.
- Your dataset does not have enough examples.

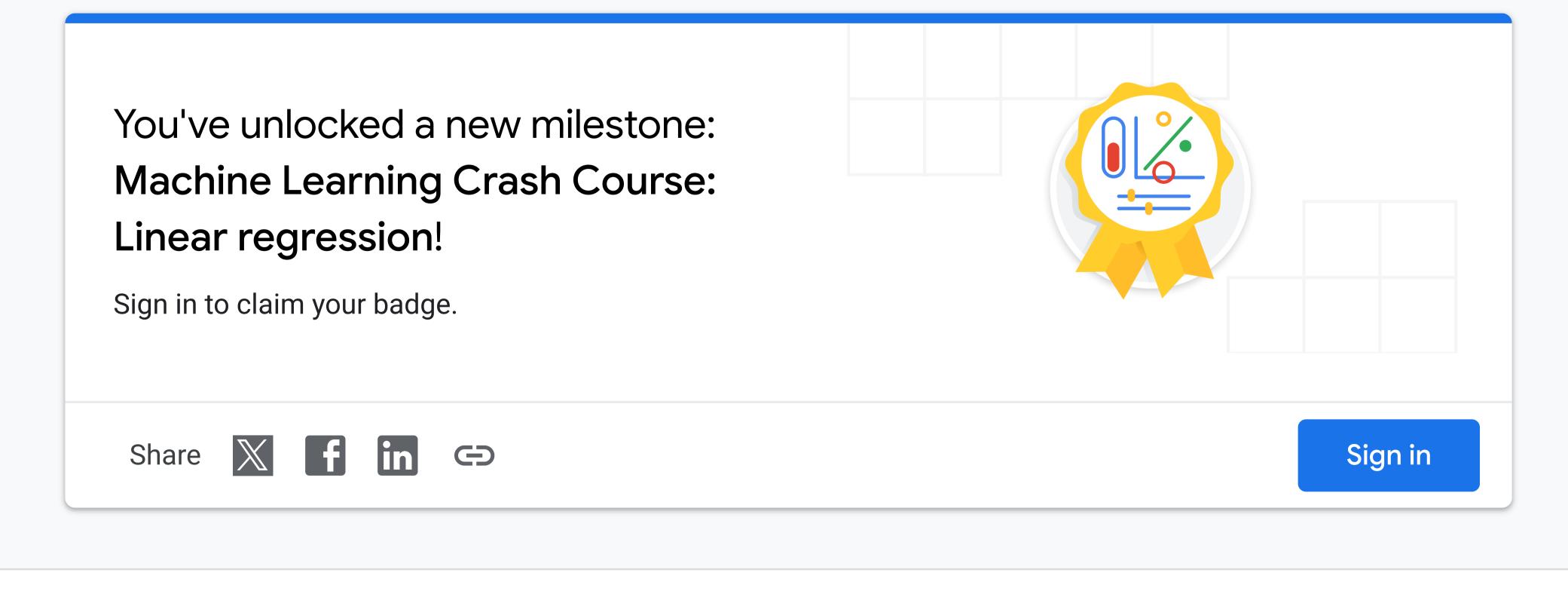
Your dataset has too many examples.

## Results

Android

Chrome

You scored 5 out of 5. Congratulations! You have passed this quiz.



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