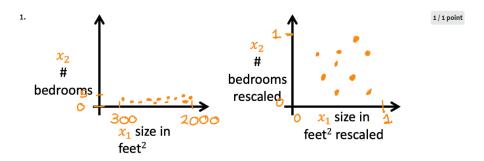
Congratulations! You passed!

Grade received 100% To pass 70% or higher

Go to next item

Practice quiz: Gradient descent in practice

Latest Submission Grade 100%



Which of the following is a valid step used during feature scaling?

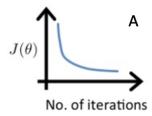
- Subtract the mean (average) from each value and then divide by the (max min).
- Add the mean (average) from each value and and then divide by the (max min).

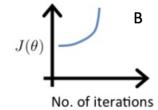


This is called mean normalization.

2. Suppose a friend ran gradient descent three separate times with three choices of the learning rate α and plotted the learning curves for each (cost J for each iteration).

1/1 point





For which case, A or B, was the learning rate α likely too large?

- O case A only
- O Neither Case A nor B
- O Both Cases A and B
- ase B only

✓ Correct

 $The \ cost \ is \ increasing \ as \ training \ continues, \ which \ likely \ indicates \ that \ the \ learning \ rate \ alpha \ is \ too \ large.$

3. Of the circumstances below, for which one is feature scaling particularly helpful?

1/1 point

- O Feature scaling is helpful when all the features in the original data (before scaling is applied) range from 0 to
- Feature scaling is helpful when one feature is much larger (or smaller) than another feature.

⊘ Correct

For example, the "house size" in square feet may be as high as 2,000, which is much larger than the feature "number of bedrooms" having a value between 1 and 5 for most houses in the modern era.

1/1 point

es price per item. d for each product.
