

👉 Selamat! Anda lulus!

Nilai diterima 100%

Nilai Pengiriman
Terbaru 100%

UNTUK LULUS 70% atau lebih tinggi

Pergi ke item berikutnya

1.



1 / 1 poin

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

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

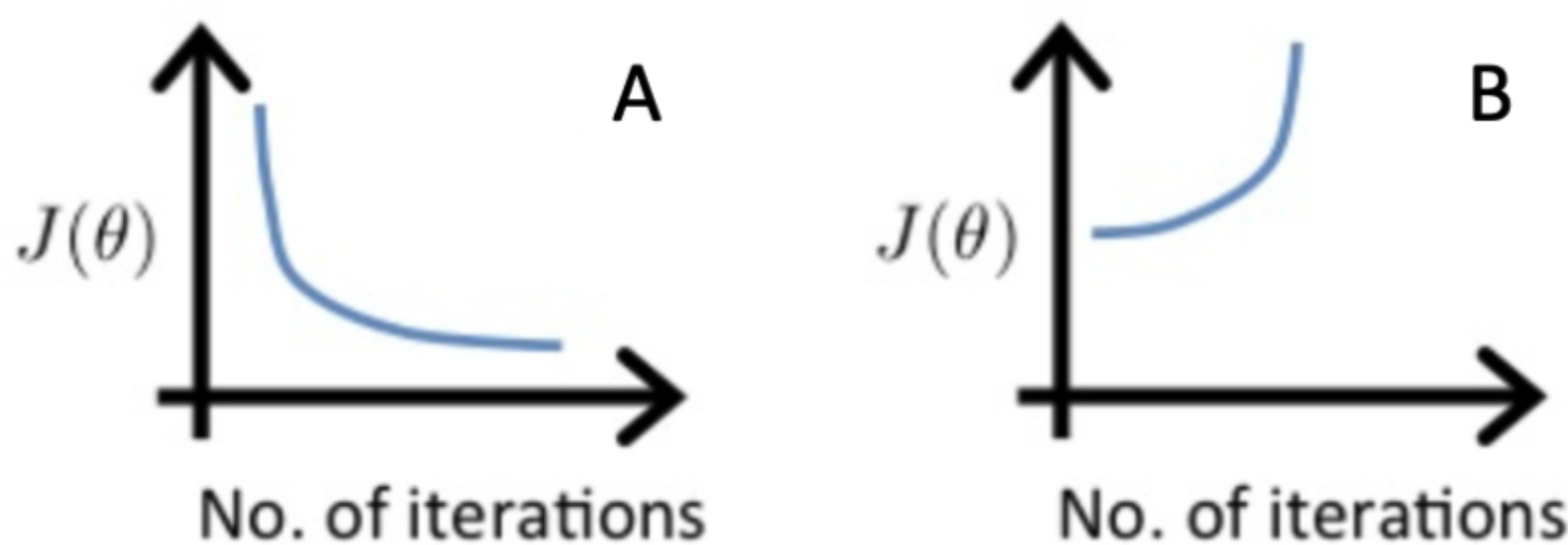
☒ Benar

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 poin



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

- ☐ case A only
☐ Neither Case A nor B
☐ Both Cases A and B
☒ case B only

☒ Benar

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

3.

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

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- ☒ Feature scaling is helpful when one feature is much larger (or smaller) than another feature.
- ☐ Feature scaling is helpful when all the features in the original data (before scaling is applied) range from 0 to 1.

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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.

4.

You are helping a grocery store predict its revenue, and have data on its items sold per week, and price per item. What could be a useful engineered feature?

1 / 1 poin

- ☐ For each product, calculate the number of items sold divided by the price per item.
- ☒ For each product, calculate the number of items sold times price per item.

☒ Benar

This feature can be interpreted as the revenue generated for each product.

5.

True/False? With polynomial regression, the predicted values $f_{w,b}(x)$ does not necessarily have to be a straight line (or linear) function of the input feature x .

1 / 1 poin

- ☐ False
- ☒ True

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A polynomial function can be non-linear. This can potentially help the model to fit the training data better.