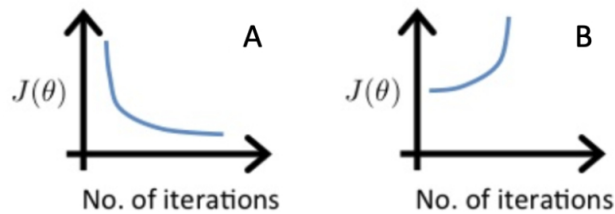




1 point

- 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 then divide by the (max - min).
- 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 point



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

- ☐ Both Cases A and B
 - ☒ case A only
 - ☐ Neither Case A nor B
 - ☐ case B only
- Of the circumstances below, for which one is feature scaling particularly helpful?
 - ☒ 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.

1 point

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

1 point

- 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 .
 - ☐ False
 - ☒ True

1 point