Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 80%. We keep your highest score.

Next item →

1. You want to find a linear model that best fits the following data: 1 / 1 point

Area	Distance	Price
70	3	21200
50	1	22010
120	9	24305
100	2	31500

Which one is the dependent variable?

- ○ Area
- ○ Distance
- ◉ Price

Correct
Correct!

2. Could we find the optimal values for W, and b given enough examples of X and y using the same LinearModel class that we implemented in the hands on project even if we have 10 independent variables or features? 1 / 1 point

- ◉ Yes
- ○ No

Correct
Correct! Our implementation was generic enough, and we could just instantiate a model instance with number of features set to 10.

3. What would be the correct order of following steps to implement gradient descent algorithm (for each training loop): 1 / 1 point

1. Find gradient of loss with respect to trainable parameters.
2. Update the trainable parameters using the gradients.
3. Compute predictions using current values of the parameters.
4. Compute the loss between predictions and true values.

- ○ 2, 3, 1, 4
- ○ 1, 2, 4, 3
- ◉ 3, 4, 1, 2

Correct
Correct!

4. Gradients of loss with respect to weights (dW) need to have the same shape as the weights (W) before the weights can be updated. True or False? 1 / 1 point

- ◉ True
- ○ False

Correct
Correct!

5. If the loss increases over iterations, instead of decreasing, one fix could be to train the model with a smaller _____. 1 / 1 point

- ◉ Learning Rate
- ○ Training Set

Correct
Correct!