Graded Quiz: Test your Project Understanding

Calificación de la entrega más reciente: 100 %

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

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

Which one is the dependent variable?

- (•) Price
- ( ) Distance
- ( ) Area

✓ **Correcto**
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 punto**

- ( ) No
- (•) Yes

✓ **Correcto**
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 punto**

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.

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

✓ **Correcto**
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 punto**

- ○ False
- ◉ True

✓ **Correcto**
Correct!

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

- ○ Training Set
- ◉ Learning Rate

✓ **Correcto**
Correct!