# Quiz 2: Introduction to Supervised Learning

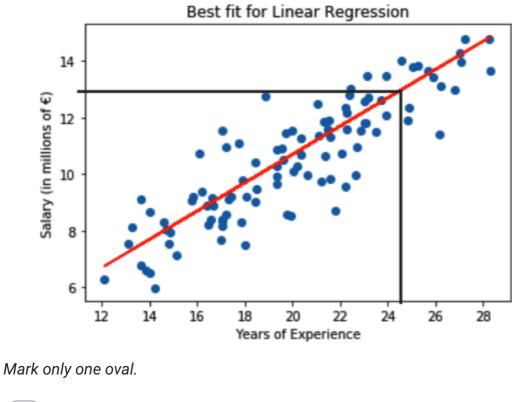
\* Indicates required question

1. Please enter your name: \*

#### Linear Regression/Logistic Regression

2. Which model aims to fit the best line based on the following data ?

1 point



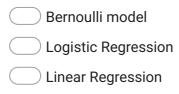
Logistic Regression
Linear Regression
Hidden Markov Model

**3**. What model is summarized as follows?

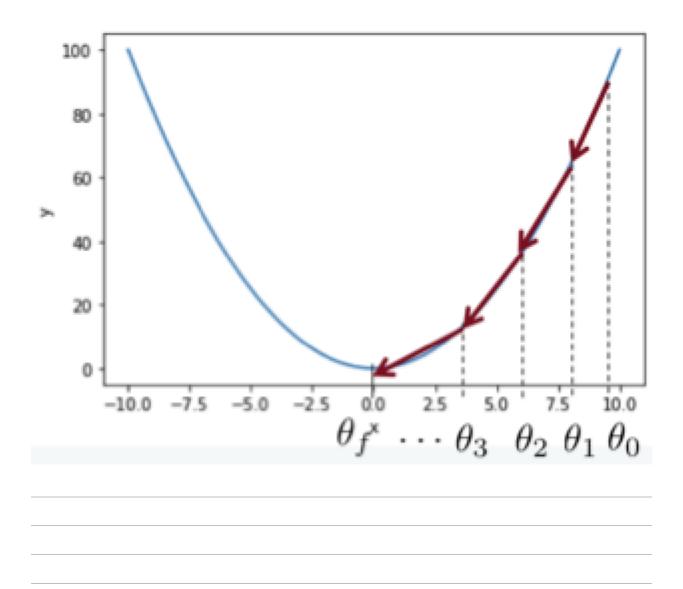
1 point



Mark only one oval.



**4**. What algorithm should be used to learn the parameters of Linear Regression and Logistic 1 point Regression?



#### Quiz 2:

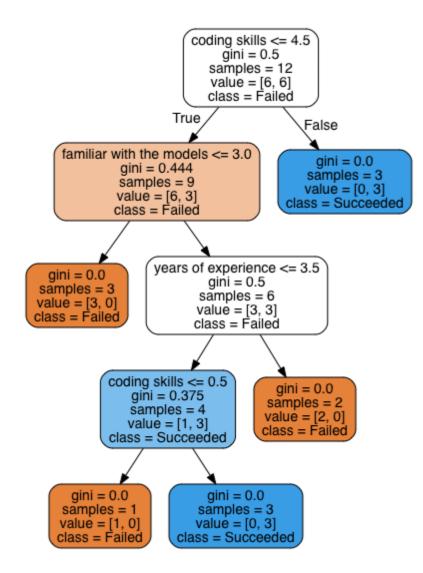
2 points

**5**. What are the two hyperparameters that should be chosen before applying the Gradient Descent algorithm?

Decision Trees Algorithm

We want to predict whether someone is going to succeed or fail in a Machine Learning Interview based on the following features: "years of experience", "coding skills" (with discrete values in [0, 5]), "familiar with the models" (with discrete values in [0, 5]), and "like chocolate"(with binary output o/1). We obtain the following graph of decision

Graph of decision



6. How many candidates have succeeded?

1 point

### Mark only one oval.



7. How many candidates have failed?

1 point

## Mark only one oval.



8. If a candidate has the following characteristics: 2 years of experience, o for coding 1 point skills, and 4 for the familiarity with the models. What would the algorithm predict?

Quiz 2:



Mark only one oval.

**9**. What is the minimum value of "coding skills" that can change the prediction value in 1 point the previous example?

### Mark only one oval.



Quiz 2:

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_	Programming Session
]	Did you understand the problem?
1	Mark only one oval.
	Yes
	No
4	Any comment?
-	
-	
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Quiz 2: