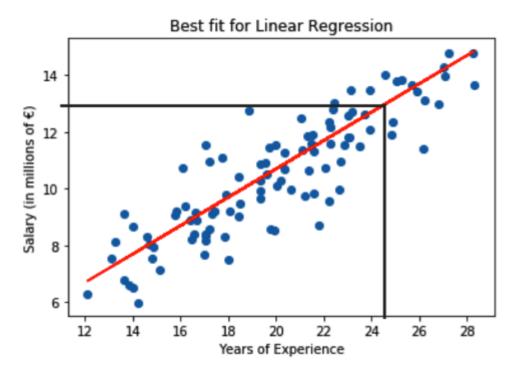
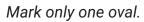


1. Email address *

2. Please enter your name: *

Linear Regression/Logistic Regression







Linear Regression

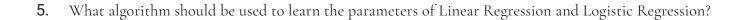
_____ Hidden Markov Model

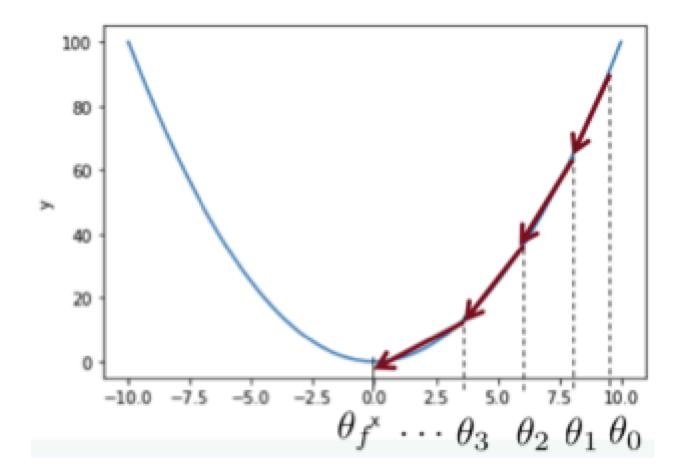
4. What model is summarized as follows?

$$\forall i \in \{1, \dots, N\} \quad Y_i | X_i = x_i \sim \mathcal{B}(\sigma(w^T x_i))$$

Mark only one oval.

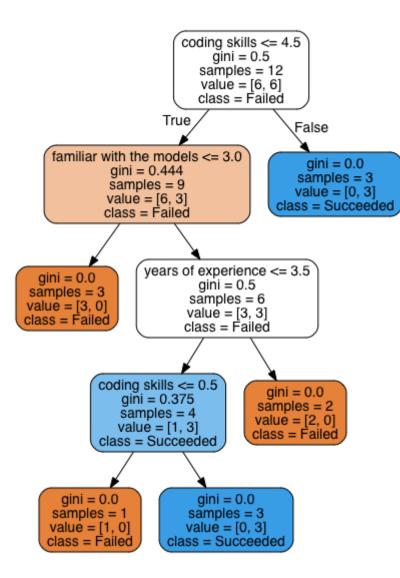
- Bernoulli model
- C Logistic Regression
- Linear Regression





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



7. How many candidates have succeeded?

Mark only one oval.

4
5
6

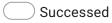
1 point

Mark only one oval.

2 4 6

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

Mark only one oval.



🔵 Failed

10. What is the minimum value of "coding skills" that can change the prediction value in the previous example?

Mark only one oval.

1
2
3

11. Give one of the hyperparameters for the Decision Trees Algorithm and one for the Random Forest Algorithm?

1 point

Programming Session

12. Did you understand the problem?

Mark only one oval.

Yes

14. Any comment?

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