

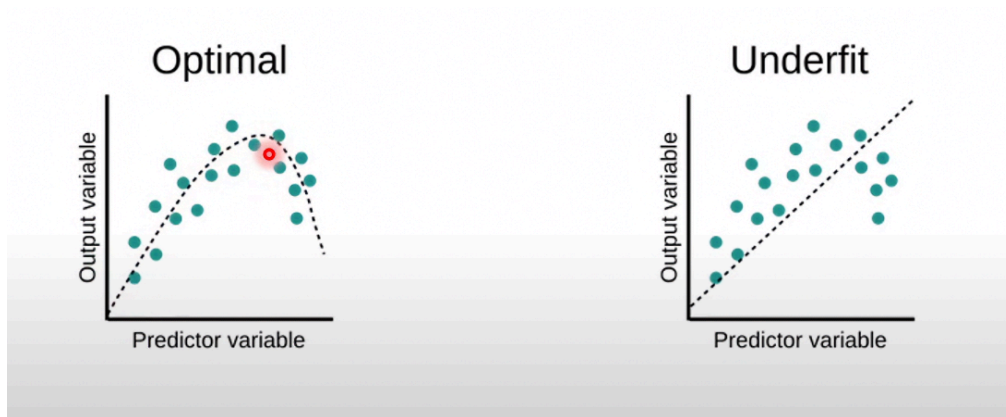


Underfitting in ML

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Definition:

Underfitting happens when the model does not learn enough from the data. Underfitting occurs when a ML model can't capture the underlying trend of the data.



Sign: If the training data accuracy is very low

Causes of Underfitting:

1. Choosing a correct Model
2. Less complex model
3. Less variance but high bias (approximation for a target function)

Prevention of underfitting:

1. Choosing a correct model appropriate for the problem
2. Increasing the complexity of the model
3. More number of parameters of the model
4. Bias-Variance Tradeoff