

Implementing Gradient Descent in Python: Takeaways



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Concepts

- Weight and bias: the two main components of a line formula.
- Loss function: a function that calculates the error between predicted and real data.
- Mean squared error: a specific loss function that shows the average of squared error for a given line.
- Partial derivatives: a mathematical way to calculate the slope of a gradient at a particular point — used to update the weights in a gradient descent algorithm.
- Hyperparameters: overarching parameters of a gradient descent function that slightly alter how it works.

Resources

- [Loss Function](#)
- [Mean Squared Error](#)
- [Partial Derivatives](#)
- [Hyperparameter](#)

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