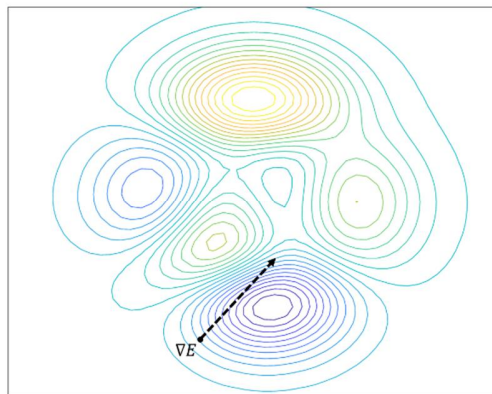# Training Options

A basic understanding of how training works can help you sift through the many training options available. The next few pages will break down some of the important ones:

- Mini-batches
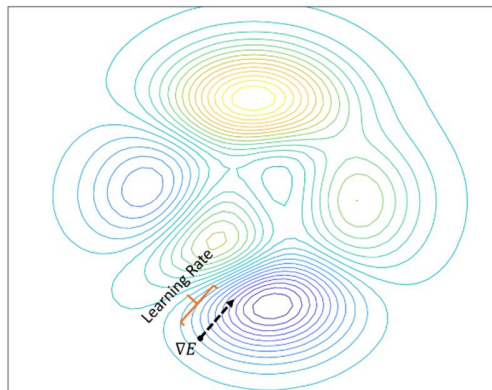- Learning rates
- Gradient clipping
- Algorithms

Learning rates

1.

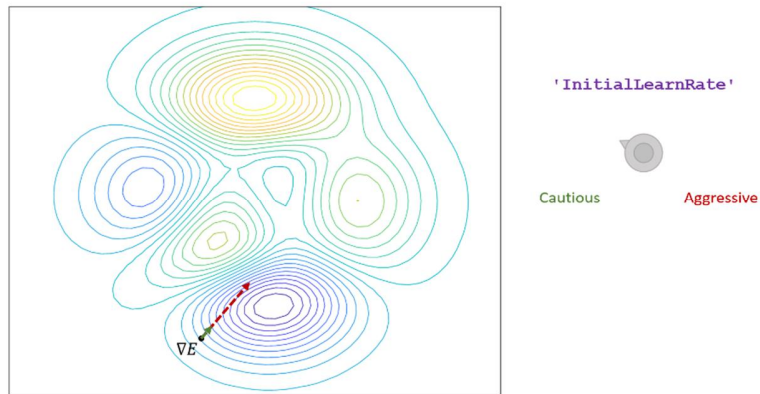*Gradient descent takes a step in the direction of the gradient.*
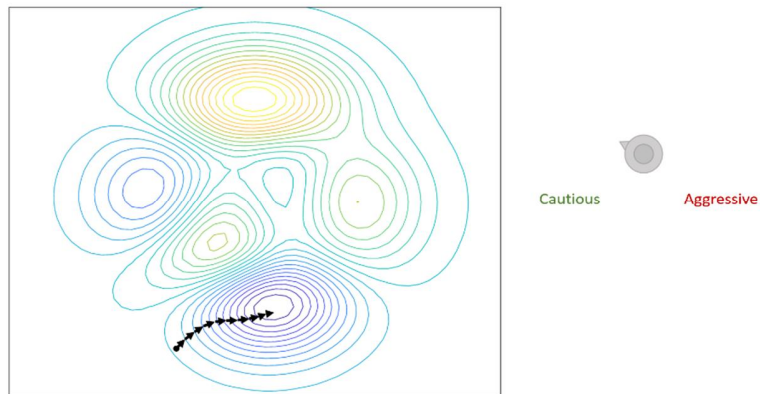
2.

`'InitialLearnRate'`

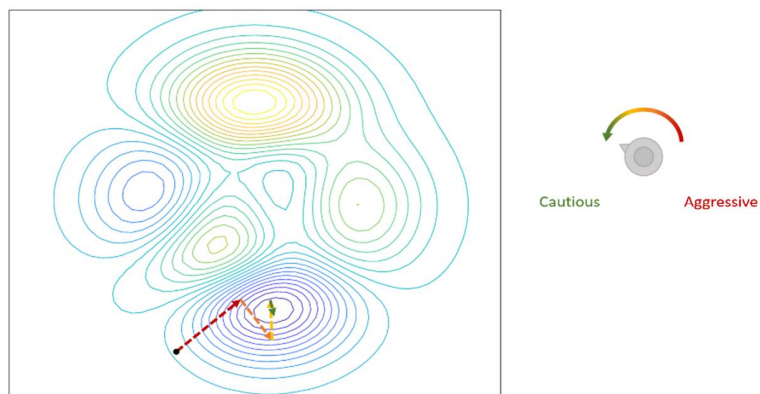*The size of that step is known as the **learning rate**.*

3.

You can think of the learning rate as how aggressively you want to modify your parameters at each step.
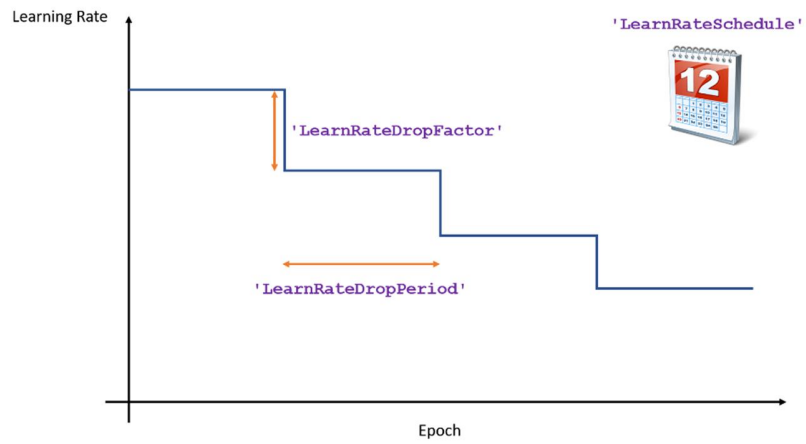
4.

You can have a fixed learning rate for the whole training.

5.

Or you can start with a higher learning rate and periodically decrease it as the training progresses.

6.

*This is called a **learning rate schedule** and can be controlled with the options shown here.*