Quick explanation of SVM

<https://www.youtube.com/watch?v=_YPScrckx28>

Separate classes with line/plane with optimal margin. Find optimal margin using cross-validation.

In-depth explanation of SVM (StatQuest)

<https://www.youtube.com/watch?v=efR1C6CvhmE>

If you’ve got classes through which you have a hard time drawing a line/plane/etc., SVM will project data into higher dimensional space in order to find a suitable classifier.

GREAT explanation and visualization of the workings of neural networks

<https://www.youtube.com/watch?v=aircAruvnKk&t=2s>

Elaboration on the methods by which weights and biases are calculated

<https://youtu.be/IHZwWFHWa-w>

What is an epoch?

<https://www.youtube.com/watch?v=BvqerWSp1_s>

An epoch is when the network has seen every data point in the training set at least once.

What is the learning rate?

<https://machinelearningmastery.com/understand-the-dynamics-of-learning-rate-on-deep-learning-neural-networks/>

It’s a hyperparameter used to tweak how much the weights are changed with each epoch.