**Cross Validation**

Below URL explains about cross validation.

<https://www.youtube.com/watch?v=fSytzGwwBVw&feature=youtu.be>

Cross validation allows us to compare different machine learning methods and get the sense of how well they will work in practice.

1. Estimate the parameters for the machine learning methods.
2. Evaluate how well the machine learning methods work.

In other words we need to find out if this curve will do a good job categorizing new data.

**Cross**-**validation** is a technique for evaluating ML models by training several ML models on subsets of the available input data and evaluating them on the complementary subset of the data. ... In k-fold **cross**-**validation**, you split the input data into k subsets of data (also known as folds).