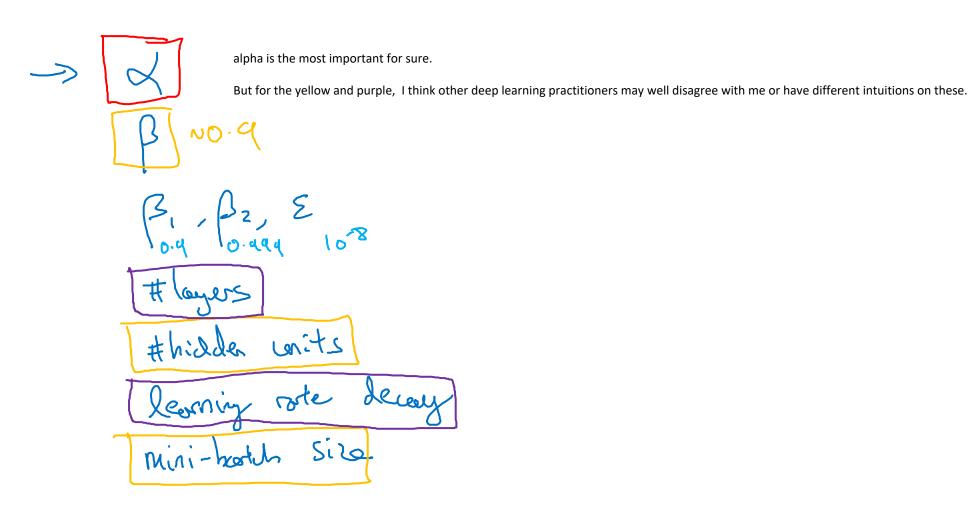


Hyperparameter tuning

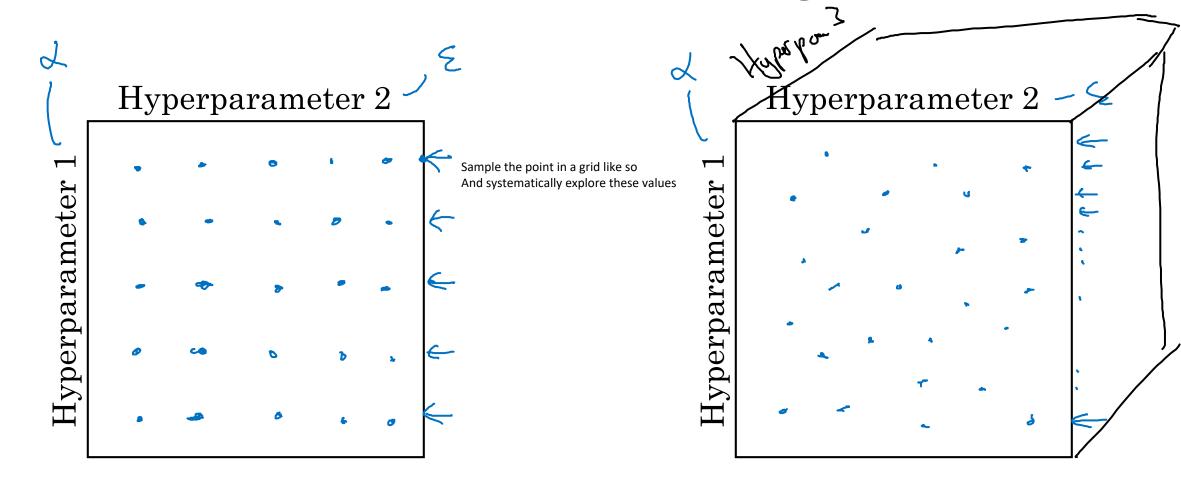
Tuning process

Hyperparameters



Try random values: Don't use a grid

Sampling at random rather than in the grid shows that you are more richly exploring set of possible values for the most import hyperparameters whatever they turn out to be.



And this practice works okay when the number of hyperparameters was relatively small

Choose the point random.

Try out the hyperparameters on this randomly chosen set of points

The reason you do that is that it's difficult to know in advance which hyperparameter are going to be the most important for your problem.

Coarse to fine

Using random sampling and adequate search.

Another common practice is to use a coarse to fine sampling scheme.

