



DL Lecture Quiz 9 (2021)

1 play • 43 players

 A public kahoot

Questions (8)

1 - Quiz

Which of these are categorical hyperparameters?

20 sec



Learning rate



Choice of SGD variant



Drop out rate



The number of layers



2 - Quiz

Which of these hyperparameters would make more sense to have on a log scale?

20 sec



Learning rate



Weight decay



Dropout rate



Choice of optimizer



3 - Quiz

Your training loss is high. What should you try next?

30 sec



Train using only a few examples



Increase the amount of training data



Increase the capacity of your network



Increase regularization



4 - Quiz

**Your generalization error is high, but training loss is low.
What should you try next?**

30 sec



Also train on the test set



Increase the amount of training data



Increase regularization



5 - Quiz

What are some advantages of Black Box optimization?

20 sec



Can optimize non-differentiable functions



Can exploit analytical gradient information



Does not suffer from the curse of dimensionality



Can be applied to functions not available in closed form



6 - Quiz

Which of the following are / use Bayesian Optimization methods?

30 sec



BOHB



HyperBand



TPE



CMA-ES



7 - Quiz

Which of these speed-up techniques does BOHB use?

20 sec



Meta-learning across datasets



Extrapolation of learning curves



Multi-fidelity optimization



8 - Quiz

Which of the following has historically been most successful for automating general HPO?

20 sec



First order methods



Derivative-free methods



Second order methods



Graduate Student Descent

