

Hyperparameter Tuning

STUYAI

do now: did u use ai in the last week

Hyperparameter Tuning (1/2 slides)

- When you train an ML model, there's a lot of settings to choose from
 - Number of layers (the size of the model)
 - The complexity of each layer
 - How long the model is trained
- Hyperparameter tuning basically automatically finds the best model settings
 - Stops training early if the settings picked are not good
 - Uses math to predict what the best settings are based on training so far

https://bit.ly/hyperparam_stuyai

This will take a while to run so we will set up the google collabs first

Hyperparameter Tuning (2/2 slides)

- Let's look at the code