Congratulations! You passed!

Grade received 100% **To pass** 80% or higher

Go to next item

Hyperparameter Tuning and Neural Architecture Search

Total points 3

1. Neural Architecture Search (NAS) was a promising technique that failed to surpass hand-designed architectures in terms of test set accuracy. **1 / 1 point**

- ○ True
- ◉ False

Correct
Spot on! In fact, NAS can design a novel network architecture that rivals the best human-invented architecture.

2. Which of the following characteristics best describe hyperparameters? (Select all that apply) **1 / 1 point**

- ☐ Hyperparameters are derived via training.
- ☑ Hyperparameters can be quite numerous even in small models.

Correct
Great job! Hyperparameters can be numerous, so, performing manual hyperparameter tuning can be a real brain teaser.

- ☑ Hyperparameters are set before launching the learning process.

Correct
Excellent! They need to be set before model training begins.

- ☑ Hyperparameters are not optimized in each training step.

Correct
You're right on track! Hyperparameters are not automatically optimized during the training process.

3. Does KerasTuner support multiple strategies? **1 / 1 point**

- ○ No
- ◉ Yes

Correct
Exactly! KerasTuner comes with Bayesian Optimization, Hyperband, and Random Search algorithms built-in.