

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

☒ False

☐ True

☒ **Correcto**

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) **0.5 / 1 punto**

☒ Hyperparameters are set before launching the learning process.

☒ **Correcto**

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

☒ Hyperparameters can be quite numerous even in small models.

☒ **Correcto**

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

☐ Hyperparameters are not optimized in each training step.

☒ Hyperparameters are derived via training.

☒ **Esto no debería estar seleccionado**

Sorry, you'll need to recheck this one. Hyperparameters cannot be inferred while fitting the machine to the training set because they refer to the model selection task.

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

☐ No

☒ Yes

**Correcto**

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