### Example assessment questions for machine learning workflow

Question

Biases in a dataset will not affect biases in a trained model.

1. True
2. **False**

Explanation: models learn any biases from biases in the dataset

Question

Which portion of the dataset is used to evaluate the model in order to fine-tune the model's hyperparameters?

1. Training set
2. **Validation set**
3. Test set
4. Common set

Question

Which portion of the dataset is put aside until the very end to evaluate the model after training and hyperparameter tuning?

1. Training set
2. Validation set
3. **Test set**
4. Common set

Question

Which portion of the dataset is used to automatically update the model's parameters?

1. **Training set**
2. Validation set
3. Test set
4. Common set

Question

What is a "balanced dataset?"

1. **A dataset that contains approximately equal number of samples in each class.**
2. A dataset that contains approximately equal number of samples in the training, validation, and test sets.
3. A dataset where the input dimensions of the model are equal to the output dimensions.
4. A dataset that contains samples with the same number of dimensions.