**Difference between Model Parameter and Hyperparameter**

**Quiz:**

1. **What are model parameters?**

Tuning parameters for improving model performance.

Settings that control the learning algorithm.

Variables learned from the training data that define the model.

Random state

2. **Which of the following statements is true?**

Model parameters and hyperparameters are the same thing.

Hyperparameters are learned from the training data.

Model parameters are not set manually by the user.

3. **How are model parameters and hyperparameters different?**

Model parameters affect model performance, while hyperparameters affect model interpretation.

Model parameters define the structure and behavior of the model, while hyperparameters control the learning process.

Model parameters are set manually, while hyperparameters are learned.