Highlight | Note

Module Review

In this module, you learned how to apply some principles of responsible machine learning.

Use the following review questions to check your learning.

Question 1

In a differential privacy solution, what is the effect of setting an epsilon parameter?

○ A lower epsilon reduces the impact of an individual's data on aggregated results, increasing privacy and decreasing accuracy

○ A lower epsilon reduces the amount of noise added to the data, increasing accuracy and decreasing privacy

Check Answers

Question 2

You have trained a model, and you want to quantify the influence of each feature on a specific individual prediction.
What kind of feature importance should you examine?

○ Global feature importance

○ Local feature importance

Check Answers

Question 3

You are training a binary classification model to support admission approval decisions for a college degree program.
How can you evaluate if the model is fair, and doesn't discriminate based on ethnicity?

○ Evaluate each trained model with a validation dataset and use the model with the highest accuracy score.

○ Remove the ethnicity feature from the training dataset.

○ Compare disparity between selection rates and performance metrics across ethnicities.

Check Answers