Model Evaluation and Validation assessment

QUESTION 1 OF 3

What does the term 'Bias' refer to with respect to Machine Learning models and what can it lead to?

- Bias is error due to too much complexity in the learning algorithm you're using. Bias is often the cause of overfitting.
- Bias is error due to erroneous or overly simplistic assumptions in the learning algorithm you're using. Bias is often the cause of overfitting.
- Bias is error due to erroneous or overly simplistic assumptions in the learning algorithm you're using. Bias is often the cause of underfitting.
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QUESTION 2 OF 3

What's the difference between Type I and Type II error?

- Type I error is a false negative, while Type II error is a false positive.
- Type I error is a true positive, while Type II error is a false negative.

Model Evaluation and Validation assessment

Type I error is a false positive, while Type II error is a true negative.

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QUESTION 3 OF 3

What is k-fold Cross Validation and what does it help prevent?

The data set is divided into k subsets and each time, one of the k subsets is used as the test set and the other k-1 subsets are put together to form a training set. Then the average error across all k trials is computed. This helps prevent underfitting.

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