파이썬 / 데이터 분석 퀴즈

이름 : _____

점수 : _____

1. Pandas DataFrame에서 특정 열의 평균, 중앙값 등을 한번에 볼수 있는 함수는 무엇입니까?

2. Pandas DataFrame에서 여러 조건이 있는 행을 선택하는 방법은 무엇인지 한가지만?

3. Pandas DataFrame을 정렬하는 함수는 무엇입니까?

4. Pandas DataFrame에서 결측값을 확인하는 함수는 무엇입니까?

5. Pandas DataFrame에서 결측값을 삭제하는 함수는 무엇입니까?

Here are five machine learning quizzes:

What is supervised learning in machine learning?

A) Supervised learning is a type of machine learning where the model is trained on labeled data to predict an output.

B) Supervised learning is a type of machine learning where the model is trained on unlabeled data to identify patterns.

1. C) Supervised learning is a type of machine learning where the model is trained on a combination of labeled and unlabeled data.

What is the purpose of cross-validation in machine learning?

A) Cross-validation is used to evaluate the performance of a machine learning model.

B) Cross-validation is used to fine-tune the hyperparameters of a machine learning model.

2. C) Both A and B.

What is overfitting in machine learning?

A) Overfitting occurs when a model is too complex and performs well on the training data but poorly on new, unseen data.

B) Overfitting occurs when a model is too simple and performs poorly on both the training data and new, unseen data.

3. C) Overfitting occurs when a model is not complex enough and performs poorly on the training data but well on new, unseen data.

What is the difference between a decision tree and a random forest in machine learning?

A) A decision tree is a single tree that is used to make predictions, while a random forest is an ensemble of decision trees that are used to make predictions.

B) A decision tree is an ensemble of trees that are used to make predictions, while a random forest is a single tree that is used to make predictions.

4. C) A decision tree and a random forest are the same thing and are used to make predictions in the same way.

What is the difference between a regression problem and a classification problem in machine learning?

A) A regression problem is used to predict a continuous output, while a classification problem is used to predict a categorical output.

B) A regression problem is used to predict a categorical output, while a classification problem is used to predict a continuous output.

5. C) A regression problem and a classification problem are the same thing and can be used to predict either a continuous or categorical output.

Here are five problems related to Python Pandas:

1. How to find the mean, median, and mode of a specific column in a Pandas DataFrame?
2. How to select rows with multiple conditions in a Pandas DataFrame?
3. How to sort a Pandas DataFrame by multiple columns?
4. How to rename columns in a Pandas DataFrame?
5. How to drop missing values in a Pandas DataFrame and fill missing values with a specific value?