STA 3100 Programming With Data in R: Machine Learning

STA 3100 Programming With Data in R - Machine Learning Lecture Notes

Key Concepts

Machine Learning (ML) is a subset of Artificial Intelligence (AI) that uses algorithms to learn from data and make predictions. It is used in many different areas such as finance, healthcare, and marketing. ML algorithms are used to identify patterns in data and make decisions based on those patterns. ML algorithms can be supervised or unsupervised, depending on the type of data being used. Supervised algorithms use labeled data to make predictions, while unsupervised algorithms use unlabeled data to identify patterns.

Definitions

Machine Learning (ML): A subset of Artificial Intelligence (AI) that uses algorithms to learn from data and make predictions.

Supervised Learning: A type of ML algorithm that uses labeled data to make predictions.

Unsupervised Learning: A type of ML algorithm that uses unlabeled data to identify patterns.

Practice Multiple Choice Questions

Q: What is Machine Learning?

A: A) A subset of Artificial Intelligence (AI) that uses algorithms to learn from data and make predictions.