

About Machine Learning

Machine learning is the process of training a computer to recognize patterns in data. It is a subset of artificial intelligence that allows computers to learn from data without being explicitly programmed. Machine learning algorithms can be used to make predictions or decisions based on input data.

Why Learn Machine Learning?

Machine learning is a rapidly growing field with many job opportunities.

It can be used in a wide range of industries, from finance to healthcare to transportation.

Machine learning can help businesses make better decisions and improve their products or services.

Getting Started

If you're new to machine learning, there are a few things you can do to get started:

Learn the basics of programming and statistics.

Choose a programming language like Python or R.

Find a machine learning course or tutorial.

Practice with real-world datasets.

With these steps, you'll be on your way to becoming a machine learning expert!

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Page 1 of 2

Supervised and Unsupervised Learning Models

In this blog, we will discuss supervised and unsupervised learning models. We will cover a bit of the logic and math behind them, and then explain how to program them on Google CoLab.

Supervised Learning

Uses labeled data to train a model

Model makes predictions on new, unlabeled data

Examples: Linear Regression, Logistic Regression, Decision Trees, Random Forests

Unsupervised Learning

Uses unlabeled data to find patterns and relationships

Examples: Clustering, Association Rule Learning, Dimensionality Reduction