Mindluster Platform

About the course Advanced machine learning

Course Presenter : Data School

Advanced machine learning, in this course we will learn about advanced machine learning techniques and algorithms that go beyond the basics. You'll explore ensemble methods like Random Forest, Gradient Boosting, and XGBoost, as well as techniques for feature selection, dimensionality reduction, and hyperparameter optimization. The course covers deep learning fundamentals, including neural networks, activation functions, and backpropagation. Youâ€™ll also dive into unsupervised learning techniques like DBSCAN and hierarchical clustering, and advanced topics like anomaly detection, time series forecasting, and model interpretability using SHAP and LIME. We will use Python libraries such as scikit-learn, TensorFlow, and Keras for hands-on implementation. Real-world projects and datasets will help you apply what you learn in practical scenarios. By the end of this course, you'll be equipped to build robust, efficient, and scalable machine learning solutions. Prior experience with basic ML concepts and Python is recommended. Data School

Programming Category's Courses

Course Lesson(8)

Lesson 1 : **How to read the scikit learn documentation**

Lesson 2 : **scikit learn vs Deep Learning**

Lesson 3 : **Cost sensitive learning in scikit learn**

Lesson 4 : **Should I shuffle samples with cross validation**

Lesson 5 : **How to save a scikit learn Pipeline with custom transformers**

Lesson 6 : **Introduction to model ensembling**

Lesson 7 : **Course overview Master Machine Learning with scikit learn**

Lesson 8 : **Course outline Master Machine Learning with scikit learn**

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