



## COURSE DESCRIPTION

# Machine learning in Python with scikit-learn

*Build predictive models with scikit-learn and gain a practical understanding of the strengths and limitations of machine learning.*

Course on Fun Mooc: Session2 from February 15 to May 20, 2022

Effort time: 36 hours

## Syllabus

Introduction: Machine Learning concepts  
Module 1. The Predictive Modeling Pipeline  
Module 2. Selecting the best model  
Module 3. Hyperparameters tuning  
Module 4. Linear Models  
Module 5. Decision tree models  
Module 6. Ensemble of models  
Module 7. Evaluating model performance

## Instructors

**Arturo Amor**, Inria scikit-learn engineer  
**Loïc Estève**, Inria scikit-learn core developer  
**Oliver Grisel**, Inria scikit-learn core contributor  
**Guillaume Lemaître**, Inria scikit-learn core developer  
**Gaël Varoquaux**, Inria scikit-learn project manager