

# Aula M5A66 ENSAMBLES III

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## Leitura complementar:

- [A Quick Guide to Boosting in ML](#)
- [Ensemble Learning: Data Science](#)
- [Exploring Ensemble Learning in Machine Learning World!](#)
- [Parallel ensemble methods for causal direction inference](#)
- [Why do stacked ensemble models win data science competitions?](#)
- [Ensemble Reinforcement Learning](#)
- [What is ensemble learning?](#)
- [Sequential Ensemble Learning for Outlier Detection: A Bias-Variance Perspective](#)
- [Bagging and Boosting](#)
- [Boosting, Bagging, and Stacking — Ensemble Methods with sklearn and mlens](#)
- [What is Boosting in Machine Learning?](#)
- [Quick Introduction to Boosting Algorithms in Machine Learning](#)
- [Ensemble/Voting Classification in Python with Scikit-Learn](#)
- [Understanding the Effect of Bagging on Variance and Bias visually](#)
- [Using Ensembles in Kaggle Data Science Competitions – Part 1](#)
- [Using Ensembles in Kaggle Data Science Competitions – Part 2](#)
- [Using Ensembles in Kaggle Data Science Competitions- Part 3](#)
- [Como Fazer Stacking de Modelos de Machine Learning](#)
- [Ensemble learning with Stacking and Blending](#)
- [Boosting Algorithms Explained](#)
- [Boosting in Machine Learning | Boosting and AdaBoost](#)
- [Gradient Boosting and Weak Learners](#)
- [The Power of Ensemble Methods in Machine Learning](#)
- [Boost a Weak Learner to a Strong Learner Using Ensemble System Approach](#)
- [Boosting ML models to create strong learners](#)

- [Stacked Ensemble Models and Data Science Competitions](#)
- [Bagging on Low Variance Models](#)
- [Common Loss functions in machine learning](#)
- [Boosting and AdaBoost for Machine Learning](#)
- [Thoughts on Hypothesis Boosting](#)
- [Thoughts on Hypothesis Boosting](#)
- [Improving Regressors using Boosting Techniques](#)
- [The Boosting Approach to Machine Learning An Overview](#)
- [The boosting: A new idea of building models.](#)
- [sklearn.ensemble.AdaBoostClassifier](#)
- [The Ultimate Guide to AdaBoost Algorithm | What is AdaBoost Algorithm?](#)
- [Add power to your model with AdaBoost Algorithm](#)
- [A Guide to AdaBoost: Boosting To Save The Day](#)
- [AdaBoost Classifier in Python](#)
- [AdaBoost and Gradient Boost – Comparative Study Between 2 Popular Ensemble Model Techniques](#)
- [AdaBoost, Clearly Explained](#)
- [A Mathematical Explanation of AdaBoost in 5 Minutes](#)
- [Understanding AdaBoost](#)
- [Adaboost for Dummies: Breaking Down the Math \(and its Equations\) into Simple Terms](#)
- [How to Develop a Gradient Boosting Machine Ensemble in Python](#)
- [Gradient Boost Part 1 \(of 4\): Regression Main Ideas](#)
- [Gradient Boostings Parte 1: Métodos de Ensemble Learning](#)
- [sklearn.ensemble.GradientBoostingClassifier](#)
- [sklearn.ensemble.GradientBoostingRegressor](#)
- [How to Choose Loss Functions When Training Deep Learning Neural Networks](#)
- [AdaBoost Vs Gradient Boosting: A Comparison Of Leading Boosting Algorithms](#)
- [Boosting Algorithms: AdaBoost, Gradient Boosting, XGB, Light GBM and CatBoost](#)
- [XGBoost Part 1 \(of 4\): Regression](#)

- [Extreme Gradient Boosting \(XGBoost\) Ensemble in Python](#)
- [How to Develop Random Forest Ensembles With XGBoost](#)
- [Ensemble Stacking with XGBoost](#)
- [Introduction to Boosted Trees](#)
- [Ensemble Methods: Tuning a XGBoost model with Scikit-Learn](#)
- [Gradient Boosting with Scikit-Learn, XGBoost, LightGBM, and CatBoost](#)
- [How to Develop a Light Gradient Boosted Machine \(LightGBM\) Ensemble](#)
- [Fare prediction: Stacked ensemble XGBoost & LGBM](#)
- [Stacking Test-Sklearn, XGBoost, CatBoost, LightGBM](#)
- [A Quick Guide to the LightGBM Library](#)
- [Welcome to LightGBM's documentation](#)
- [CatBoost](#)
- [CatBoost: A machine learning library to handle categorical \(CAT\) data automatically](#)
- [Getting started with Gradient Boosting Machines — using XGBoost and LightGBM parameters](#)
- [Predicting environmental carcinogens with logistic regression, knn, gradient boosting and molecular fingerprinting](#)
- [Understanding Gradient Boosting Machines](#)
- [diabetes.csv](#)
- [How to Speed Up Gradient Boosting by a Factor of Two](#)
- [sklearn.ensemble.ExtraTreesClassifier](#)
- [A Gentle Introduction to the Gradient Boosting Algorithm for Machine Learning](#)
- [Learning with ensembles: How over-fitting can be useful](#)
- [Overfitting cautious selection of classifier ensembles with genetic algorithms](#)
- [Gradient Boosting Decision Tree Algorithm Explained](#)
- [Gradient Boosting explained \[demonstration\]](#)
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