End-to-End Machine Learning Project

An end-to-end machine learning methodological approach to answer the stated problem, using a family of supervised learning algorithms in the framework of binary classification.

We are particularly interested in the following algorithms: (1) penalty regression (Lasso and its variants), (2) support vector machines (SVM), (3) decision trees (4) random forests and (5) ensemble methods.

Mentor

Dr. Mokhtar Z. Alaya is an Assistant Professor in LMAC laboratory UTC. He received his PhD in Statistics Machine Learning from Sorbonne University, University Pierre and Marie Curie in 2016. His research interest includes data science, machine learning, optimal transport, high-dimensional statistics, statistical learning theory, matrix completion. For more details about Mokhtar’s research areas you can visit: 🌐 🌐 🌐 🌐.

Student Profile

Master or final undergraduate in computer science, signal image processing and/or applied mathematics/ statistics.