



IMT Atlantique
Bretagne-Pays de la Loire
École Mines-Télécom

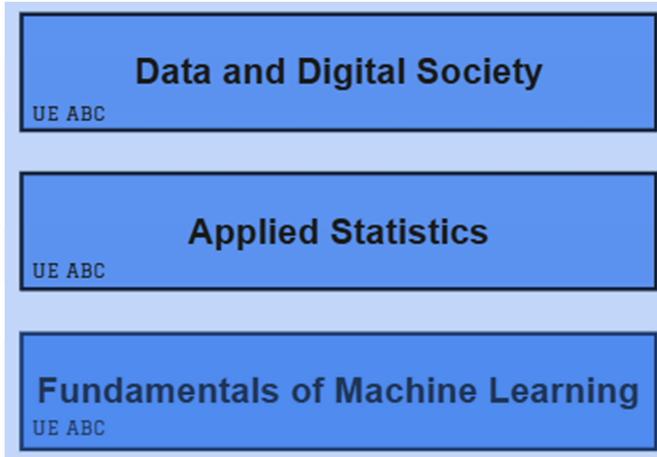
Data Science

Bridging data and decision-makers

“Learning to unlock the value of data resources”



AUTUMN SEMESTER



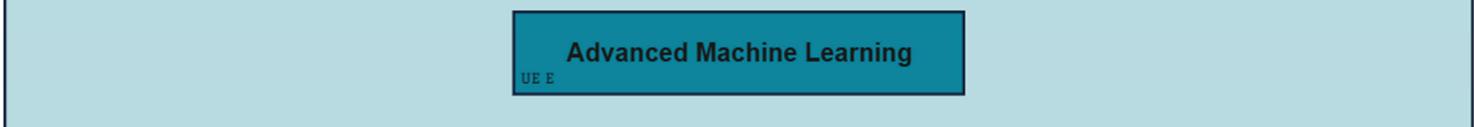
A core ABCE curriculum for fundamental skills

- Translate **business problems** into **mathematical, statistical** or **machine learning** challenges
- **Build predictive models**, develop relevant metrics & code pipeline & platforms for **decision support**
- Understand the **economic, legal** and **ethical implications** of AI solutions

1 COMPUTER SCIENCE COURSE

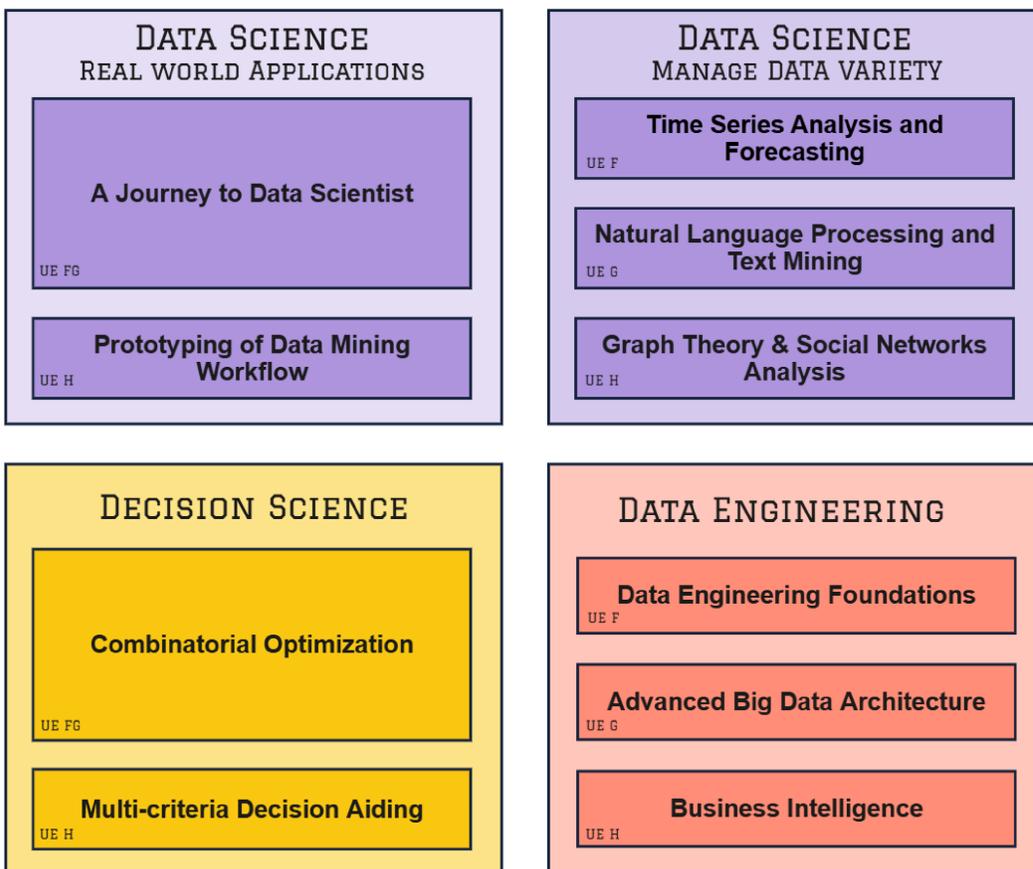


1 ADVANCED MANDATORY COURSE



SPRING SEMESTER

Build freely your path choosing one of the following tracks



Open to all students

Open to students outside TAF, prerequisites:
- Advanced Machine Learning

Open to students outside TAF, prerequisite:
- Machine Learning - Computer science

Responsibles

Laurent BRISSON
Lina FAHED

Keyword

Domain Expertise
Statistics
Mathematics
Machine Learning
Computer Science
Data Processing

TAF structured in skills blocks

BC-01 Manage data science & machine learning projects

BC02 - Collaborate effectively within data science teams & with diverse stakeholders

BC03 - Analyze data-driven challenges: data quality issues, algorithmic limitations & ethical implications

BC04 - Design machine learning & data analytics solutions satisfying stakeholder needs

BC07 - Develop, deploy & maintain data pipelines, machine learning models & big data infrastructures



data scientist
data engineer
business & data analyst
decision engineer ...

