



FACULDADE DE DIREITO
Universidade de Lisboa

INTENSIVE POSTGRADUATE PROGRAM
AI IN LEGAL PRACTICE AND ITS REGULATION

Curricular unit

AI for Lawyers and Prosecutors

Responsible Academic staff and respective workload in the curricular unit

Alexandre Zavaglia Coelho. (22st week)

Syllabus

Class 1: Digital transformation: technology and law

First part

- Legal Tech and the Digital transformation of law: reflections in the public and private sector
- The digital transformation: difference between the impacts on substantive/procedural law and on the legal practice
- The new generations of legaltechs products and services: a better legal system
- Digital transformation in the Legal Market: new players and regulatory models
- Innovation, Automation and Artificial Intelligence trends in Law

Second part

- Automation and data science concepts
- What is artificial intelligence?
- Artificial Intelligence techniques for legal tools (natural language processing, computational law, computer vision, among others)
- Structured and unstructured data
- Small Data, Big Data and External Data
- Volumetrics, Jurimetrics and Risk Management

Class 2: Legal Design

First part

- State of the art in the use of Artificial Intelligence in the field of Law: litigation, contract analysis and automation, criminal investigation and others
- Automation: RPA – Robot Process automation
- Hyperautomation: new market and the integration between automation and artificial intelligence
- Project design: Integration of different vendors and technologies
- Creation of performance indicators: legal controllership
- Performance and results monitoring reports
- The example of the PDPJ - Digital Platform of the Judiciary of Brazil: new possibilities for data science and microservices



FACULDADE DE DIREITO
Universidade de Lisboa

Second part

- What is Legal Design? Concepts and their influence on the legal practice
- Types of Legal Design
- Data science as a technique for observing legal problems
- Design of legaltechs tools and legal services
- What is data visualizations and Information Design (visual law and plain language)
- Legal Design: from Data Science to Visual Law

Class 3: Building projects and new technologies

First part

- Service and system design: how to define the roadmap projects using legaltechs and create better process for legal practices
- Cases
 - Litigation
 - Docs automation
 - Data Protection
 - Criminal investigation
 - Compliance
 - Ethics by design

Second part

- Hire or create a startup?
- Step by step to create a legaltech
- Workshop and group work: creation of a Pitch Deck for a legaltech

Teaching methodologies

By studies on concepts and case studies, seminars and tutorials; evaluation by project/essay. At the end of the module, students will do a group work on a project to create a solution/startup focused on solving legal problems.

Main Bibliography

WALKER, Joshua. ON LEGAL AI. English Edition. Fastcase, 2019.
WALKER, Joshua. ON LEGAL AI. Portuguese Edition coordinated by ZAVAGLIA COELHO, Alexandre; FEFERBAUM, Marina; SILVA, Alexandre Pacheco. Revista dos Tribunais, 2021.
Noah; HUDEX, Alexander. AI for Lawyers: How Artificial Intelligence Is Adding Value, Amplifying Expertise, and Transforming Careers. Wiley, 2021.
ASHLEY, Kevin D. Artificial Intelligence and Legal Analytics: New Tools for Law Practice in the Digital Age. Cambridge, 2017.
HOLLOWAY, Eric. Access: <https://mindmatters.ai/2022/04/why-gpt-3-cant-understand-anything/>, 2022.
BENDER, Emily M. Acces: <https://www.seattletimes.com/opinion/look-behind-the-curtain-dont-be-dazzled-by-claims-of-artificial-intelligence/>, 2022