

Data Science Meets Law: Learning Responsible AI Together

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An academic course on “*Responsible AI, Law and Society*” ■ Mixed class of 20 Data Science (senior B.Sc.) and 20 Law (LL.M.) students • Multidisciplinary staff ■ Six 4-hour interactive workshop ■ Spring 2020 ■ Zoom!

Learning Objectives (both DS & Law)

Dialogue: Fostering communication with professionals from other discipline and developing a shared language.

Responsible AI (introductory): Spotting ethical and legal issues, overlooking and auditing AI systems and taking actions accordingly.

Professional responsibility: Shaping it and being motivated to act upon it.

Fundamental Approach

Dialogue between DS and Law

As a mean: The other discipline as a learning scaffolding for Responsible AI.

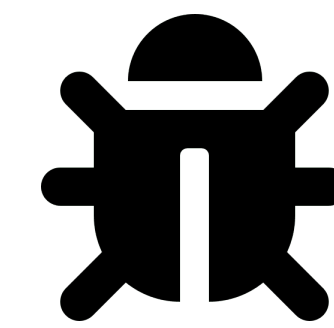
As an end: Foster a joint problem-solving approach in the professional setting post-graduation.

How to achieve?

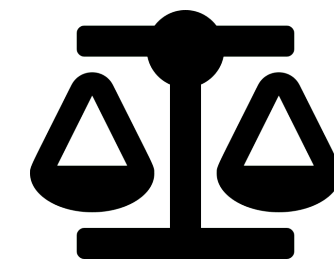
(a.k.a pedagogical principles)

- Challenge-based learning
- Multidisciplinary staff and student teams
- Signature pedagogy: Case-studies (Law) and Iterated and interactive research of data (DS)
- Real-world scenarios
- Adversarial tasks to motivate team-work

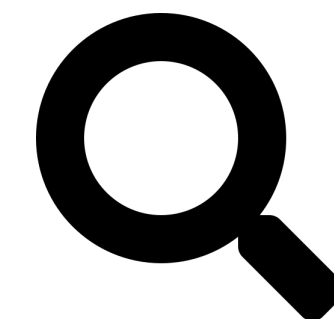
Four classes, each devoted to elements of Responsible AI



Liability | Robustness
Autonomous vehicles



Discrimination | Fairness
Labor Market | HR



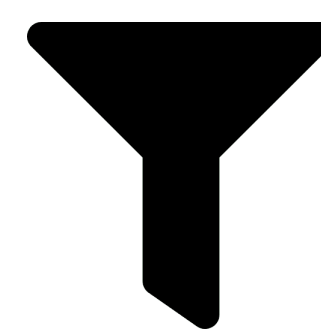
Transparency
Finance



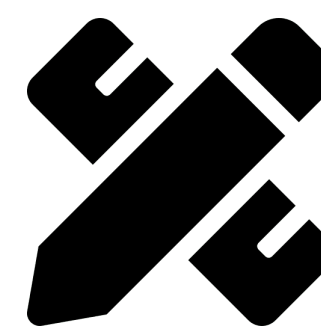
Privacy
Geolocation | Smart cities

Course Structure

Then, two classes on integration

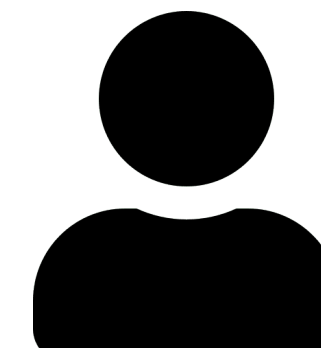


Content moderation
Platforms

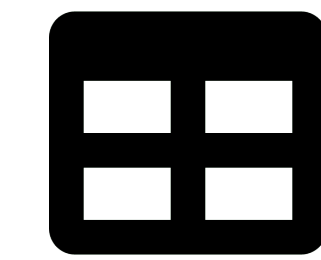


Student project:
design your own
class (data-driven
legal case-study)

Recurring themes in all classes



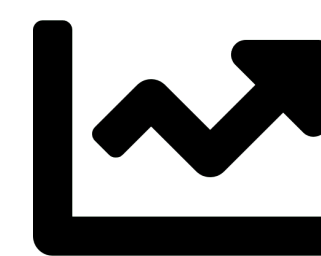
Value | Rights



Data



Governance



Optimization

Class Template

- Initial reflection on the topic based on home reading
- Short lectures on legal aspects and tech aspects of class's specific topic
- Main activity: mixed teams tackling a data-driven legal case-study
- Presentations, discussion & feedback
- Wrap-up & take-aways

Methodological Toolbox for Dialogue

- Real-world analysis of potential data usages
- Build-it, break-it, fix-it
- Glossary building

What's Next

Scaling-up

Releasing materials under CC license
Building community of instructors

Developing methods for effective multidisciplinary policy-making

The course as a lab for experimentation

ACKNOWLEDGEMENTS

Course led by

Prof. Niva Elkin-Koren (Tel Aviv Univ.) &
Prof. Avigdor Gal (Technion)

Read more
and
reach out:



<https://learn.responsibly.ai>