



International PhD Academy

Quantitative Methods in Legal Studies

Venice International University
October 4-9, 2021

Faculty

Kirill Titaev, European University at Saint Petersburg (Scientific Coordinator)

(Vadim Volkov, European University at Saint Petersburg)

Dmitry Skougarevsky, European University at Saint Petersburg

Vladimir Kudryavtsev, European University at Saint Petersburg

Arthur Dyevre, KU Leuven

Michal Ovádek, KU Leuven

Tamar Kricheli Katz, Tel Aviv University

Shay N. Lavie, Tel Aviv University

Avraham Tabbach, Tel Aviv University

Agenda

Monday, October 4, 2021

Day 1 – Training Workshop: Text and Data Mining | Arthur Dyevre and Michal Ovádek, KU Leuven

The objective of this workshop is that participants learn basic concepts of text and data mining methods, including methods to scrape and analyze textual data, all using the open-source software R and Python.

The first part of the workshop provides a gentle introduction to basic methods used in text analytics for a non-technical, legal audience. No mathematical background beyond high school is necessary as graphical and concrete legal examples will be used to illustrate the methods.

The second part introduces how to automate the large-scale extraction of information from webpages and how computer based content analysis—including word clouds, latent topic models and sentiment analysis—can be used to summarize



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and explore large collections of legal documents. With the knowledge gained in this workshop, participants will get a sense of the range of available methods to analyze textual legal data and will be ready to undertake their first own data analysis of legal documents.

- 9:00-9:30 *Welcome Coffee & Registration*
- 9:30-9:45 Opening & Introduction to the Course
VIU & Scientific Coordinator
- 9:45-9:50 Participants' Presentation
Venice International University & Students
- 9:50-13:00 Training Workshop: Text and Data Mining
- 13:00-14:15 *Lunch*
- 14:30-17:30 Training Workshop: Text and Data Mining

Tuesday, October 5, 2021

Day 2 – Decision-Making in Commercial Courts: From Querying Court API to Estimating Case Outcome Regressions | Dmitry Skougarevsky, EUSP

In this session we will build a pipeline in R that (a) obtains real-world data from a commercial court using its API, (b) organizes the case metadata into a flat table, (c) enriches the data with extraneous information, (d) estimates a case outcome regression on the constructed data. The students will learn the basics of accessing HTTP APIs programmatically and storing the data. Working with the obtained data on disposition of cases, students will then estimate regression models to uncover the determinants of observed case outcomes. The class will be hands-on with students understanding and executing pre-written procedures to obtain results on their local machines.

- 9:15-11:00 Decision-Making in Commercial Courts: From Querying Court API to Estimating Case Outcome Regressions
- 11:00-11:15 *Break*
- 11:15-13:00 Decision-Making in Commercial Courts: From Querying Court API to Estimating Case Outcome Regressions
- 11:00-11:15 *Break*
- 11:15-13:00 Survey Data as a Source for Empirical Legal Studies: Crime Reporting, Legal Profession and Other Topics
Kirill Titaev, EUSP



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13:00-14:00 *Lunch*

14:00-14:45 Administrative Data and Quantitative Criminology
Vladimir Kudryavtsev, EUSP

14:45-16:00 Comparative Sentencing Studies
Vadim Volkov, EUSP (TBC)

16:00-16:15 *Break*

16:15-17:30 **Poster Session / Students' Presentations** (Group I – 4 students)

Students present their posters and get feedbacks from the faculty and other the other students: open discussion.

Wednesday, October 6, 2021

Day 3 – Workshop: Field Experiments | Tamar Kricheli Katz, TAU

9:15-10:45 Workshop “Field Experiments”
Tamar Kricheli Katz, TAU

10:45-11:00 *Break*

11:00-12:15 Workshop “Field Experiments”
Tamar Kricheli Katz, TAU

12:15-13:00 **Poster Session / Students' Presentations** (Group II – 4 students)

Students present their posters and get feedbacks from the faculty and other the other students: open discussion.

13:00-14:00 *Lunch*

14:00-15:30 Judicial Workload and Performance.
Shay N. Lavie, TAU (*includes Q&A*)

15:30-15:45 *Break*

15:45-17:30 Event studies in Securities Fraud Litigation
Avraham Tabbach, TAU (*includes Q&A*)

Evening *Social Dinner*



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Thursday, October 7, 2021

Day 4 – Transversal Skills

9:15-10:15 How to communicate your research to the general public
(Alessandra Fornetti, Ilda Mannino, Venice International University)

10:15-11:00 How to communicate your research to the general public
Exercise (Alessandra Fornetti, Ilda Mannino, VIU)

10:40-11:15 *Break*

11:15-13:00 Strategies to Increase the Relevance of Quantitative Research in
Legal Scholarship and Legal Education (Arthur Dyevre and Michal
Ovádek, KU Leuven)

13.00-14.00 *Lunch*

14:00-16:00 **Poster Session / Students' Presentations** (Group III – 8 students)

*Students present their posters and get feedbacks from the faculty and other the
other students: open discussion.*

Day 5 – October 8, 2021

Academic discussion (All the Faculty)

9:00 – 11:00 (tbc) Roundtable: Academic discussion