

Research Appointments

ETH Zurich

Assistant Professor (Chair of Law, Economics, and Data Science), 2018-.

University of Warwick

Assistant Professor, Department of Economics, 2017-2018.

Princeton University

Postdoc Fellow, Center for the Study of Democratic Politics, 2016-2017.

Education

Columbia University

Ph.D. 2016 Economics

J.D. 2010 Law

University of Amsterdam

LLM 2010 International Criminal Law

University of Texas at Austin

B.A. 2007 Plan II Honors, Economics, Government, Philosophy

Publications

"Measuring Discretion and Delegation in Legislative Texts: Methods and Application to U.S. States" (with Massimo Morelli and Matia Vannoni), *Political Analysis* (forthcoming).

"Fiscal pressures and discriminatory policing: Evidence from traffic stops in Missouri" (with Allison Harris and Jeffrey Fagan), *Journal of Race, Ethnicity, and Politics* (forthcoming).

"The making of international tax law: Empirical evidence from treaty text" (with Omri Marian), *Florida Tax Journal* (forthcoming).

"Text classification of political ideology labels in judicial opinions" (with Carina Hausladen and Marcel Schubert), *International Review of Law and Economics* (forthcoming).

"Automated Classification of Modes of Moral Reasoning in Judicial Decisions" (with Nischal Mainali, Liam Meier, and Daniel L. Chen), in: *Computational legal studies: The promise and challenge of data-driven research*, Edward Elgar (forthcoming).

"Case Vectors: Spatial Representations of the Law using Document Embeddings" (with Daniel L. Chen), in: *Law as Data*, SFI Press (2019).

"Sequential decision-making with group identity" (with Jessica Van Parys), *Journal of Economic Psychology* (2018).

"Hickle: A HDF5-based python pickle replacement" (with Danny C. Price, Ellert van der Velden, Sebastien Celles, Peter T. Eendebak, Michael M. McKerns, Eben M. Olson, Colin Raffel, and Bairen Yi), *Journal of Open Source Software* (2018).

- "Analysis of Vocal Implicit Bias in SCOTUS Decisions Through Predictive Modelling" (with Ramya Vunikili, Hitesh Ochani, Divisha Jaiswal, Richa Deshmukh, and Daniel L. Chen), *Proceedings of Experimental Linguistics* (2018).
- "Comment: Emerging tools for a 'driverless' legal system," *Journal of Institutional and Theoretical Economics* (2018).
- "What kind of judge is Brett Kavanaugh? A quantitative analysis" (with Daniel Chen), *Cardozo Law Review Online* (2018).
- "Elections and divisiveness: Theory and evidence" (with Massimo Morelli and Richard Van Weelden), *Journal of Politics* (2017).
- "New Policing, New Segregation: From Ferguson to New York" (with Jeffrey Fagan), *Georgetown Law Journal Online* (2017).
- "Intrinsic motivation in public service: Theory and evidence from state supreme courts" (with Bentley MacLeod), *Journal of Law and Economics* (November 2015).
- "On the behavioral economics of crime" (with Frans van Winden), *Review of Law and Economics* (2012).

Grants

- Swiss Data Science Center Grant, "Narratives in law and politics: A computational linguistics approach" (2020-2022).
- Swiss National Science Foundation Spark Grant, "Mining Narratives from Text" (2019-2020).
- Russell Sage Foundation Presidential Grant (with Daniel L. Chen and Arianna Ornaghi), "Lexical gender bias in the judiciary", (2019-2020).
- Innosuisse Innovation Grant, "Monitoring Regulatory Change" (2019).
- Mind & Life Europe Research Award (with Daniel Sgroi, Anthony Tuckwell, and Shi Zhuo), "Mindfulness and Economic Behaviour," (2019-2021).
- NVIDIA GPU Grant, "Deep Learning Models for Legal Prediction," (2019).
- ETH Internal Research Grant, "Doctoral Research in Empirical Political Economy," (2019-2022).
- Swiss National Science Foundation, Scientific Exchanges Award, "Data Science for Law Conference," (2019).
- Turing Economic Data Science Award (with Thiemo Fetzer), "Letting Text Speak to Economic Data," (2018-2019).
- Princeton University Center for Health and Wellbeing Seed Grant (with Bentley MacLeod), "Aging and Work: The Health Consequences," (2018-2020).
- European Research Council Extension Grant (PI: Massimo Morelli), "Bureaucracy, Populism, and Political Stability: Theory and Evidence," (2017-2019).
- Washington Center for Equitable Growth Research Grant (with Bentley MacLeod and Suresh Naidu), "Language, Laws, and Labor Contracts" (2017-2019)
- National Science Foundation Grant SES-1459932 (PI's: Bentley MacLeod and Suresh Naidu), "Language, Laws, and Labor Contracts in the 20th Century," (2015-2017)

National Science Foundation Grant SES-1260875 (PI: Bentley MacLeod), "A Study into the Effect of Employment Conditions upon Judicial Behavior and Performance," (2013-2016)

Teaching

ETH Zurich

Co-organizer, Law and Data Science Interdisciplinary Master (2018-)

Lecturer, Sequencing Legal DNA: NLP for Law and Political Economy (Spring 2020)

Co-Lecturer, Big Data for Public Policy (Spring 2020)

Lecturer, Building a Robot Judge: Data Science for the Law (Spring 2019)

PhD Sponsor, Claudia Marangon (2019-)

Lecturer, Fiscal Policy and Inequality (Fall 2018)

POLTEXT

Tutorial, Introduction to machine learning with text (2019 conference, Tokyo)

Alliance Graduate Summer School in Sustainable Development (Columbia University and Sciences Po)

Instructor, Introduction to Text Mining (Summer 2019)

Russell Sage Summer Institute in Computational Social Science

ETH Zurich Site Organizer (Summer 2019)

Bocconi University

Visiting Instructor, Text Analysis and Machine Learning for Social Science (Fall 2018)

University of Warwick

Dissertation Supervisor (11 Msc students, Summer 2018)

Lecturer, Topics in Public Finance (Msc, Spring 2018)

Lecturer, Making of Economic Policy (Bsc, Fall 2017, Spring 2018)

New York University. Center for Data Science

Project Advisor, Machine Learning and Computational Statistics (Spring 2017, Spring 2018)

Columbia University

Adjunct Assistant Professor, Master of Arts Thesis Course (Spring/Summer 2017)

Instructor, Law and Economics (undergraduate) (Summer 2014)

TA, Perspectives on Economic Studies (PhD), Profs. Joe Stiglitz and Jeff Sachs (Spring 2013)

TA, Political Economy (undergraduate), Prof. Massimo Morelli (Fall 2012)

International Max Planck Research School

Instructor, Text Analysis and Machine Learning for Social Science (Summer 2017)

Memberships and Awards

Royal Economic Society, Programme Committee for Machine Learning (2020-2022)

Center for Comparative and International Studies (2019-)

University of Warwick CAGE Research Associate (2018-)

Ronald H. Coase Best Dissertation Award (2017)
Russell Sage Foundation Summer Institute in Computational Social Science (2017)
C. Lowell Harriss Dissertation Fellowship, Lincoln Institute of Land Policy (2014-2015)
NSF Graduate Research Fellowship (2011-2014)

Referee Service

American Economic Journal: Economic Policy, American Journal of Political Science, American Political Science Review, Artificial Intelligence Review, Association for Computational Linguistics, Data Mining and Knowledge Discovery, Economica, Economics Letters, European Journal of Law and Economics, Journal of Law and Economics, Journal of Legal Studies, Journal of Politics, Journal of Public Economics, Journal of the European Economic Association, Justice System Journal, Law & Society Review, Macroeconomic Dynamics, Political Communication, Routledge, Russel Sage Foundation, Scandinavian Journal of Economics, Stanford Law Review

Seminar and Conference Activities (since 2017)

Organizer:

- 2020 (incl. expected): Zurich Text as Data Workshop, AI for Governance Conference.
- 2019 (incl. expected): Zurich Text as Data Workshop, Conference on Empirical Legal Studies, eScience International Conference, Workshop on Automated Semantic Analysis of Information in Legal Text, Conference on Data Science and Law, NAACL Workshop in Natural Legal Language Processing.
- 2018: European Association of Law and Economics (Area Organizer for Law and Machine Learning).
- 2017: Princeton CSDP Conference on Real-World Impacts of Legal Text.

Presenter:

- 2020: (incl. expected): Venice Summer Institute, St. Gallen Media Economics Workshop, Paris CREST Seminar, Harvard Empirical Legal Studies Workshop, Basel Economics Research Seminar, PolMeth Europe, World Economic Forum Trust in the 21st Century, Bologna Workshop on Elections, Democracy, and Populism.
- 2019: Stockholm Institute for International Economic Studies, New Directions in Analyzing Text as Data, Berkeley Law, Accounting, and Business Workshop, POLTEXT Tokyo, EEA/ESEM Manchester, CAGE Workshop on the use of Language and Text in the Social Sciences, Conference on Data Science and Law
- 2018: KU Leuven Empirical Legal Studies Seminar, Universita della Svizzera Italiana IdEP Seminar, ETH Political Economy Workshop, Conference on Empirical Legal Studies, TEDxZurich Connecting for Better Decisions, ETH Inaugural Lecture, New Directions in Analyzing Text as Data, HKU Computational Legal Studies Workshop, BGSE Summer Forum Organizational Economics, CAGE-SMF Briefing, Tinbergen Econometric Institute Workshop, Center for Empirical Legal Studies in Europe, Warwick PEPE Research Day, IZA Labor Statistics

Workshop, Reach Panel on Algorithmic Justice, Universite Paris Nanterre LIEN Seminar, NYU NLP and Text as Data Speaker Series, Online Workshop on Computational Analysis of Law, Manifestos Corpus Conference, Bonn Law & Economics Workshop.

2017: Santa Fe Institute Computational Study of the Law Working Group, Warwick CAGE Research Workshop, National Tax Association, Conference on Empirical Legal Studies, American Political Science Association, Society for Institutional & Organizational Economics, World Bank Workshop on Data and Evidence for Justice Reform, American Law and Economics Association, Israel Law and Economics Association, Princeton Public Law Working Group, Association for the Study of Religion, Economics, and Culture, Northwestern University Colloquium on Law and Economics, ETH Zurich Center for Law & Economics.

Co-author:

2019: MIT Governance Lab, NBER Summer Institute Aging Meeting, PolMeth Annual Meeting, BGSE Summer Forum Forecasting Political and Economic Crisis, Basel Political Methodology Conference, Empirical Legal Studies Replication Conference, Bocconi Workshop on Causes and Consequences of Populism.

2018: NBER Culture & Institutions Spring Meeting.

Consultancy

Asia Development Bank: Judicial Reform in People's Republic of China: Using Big Data to Improve Delivery of Justice, Project 51086-001 (2019-2021).

U.S. Department of Justice: Statistical Analysis for Civil Rights Investigation into Ferguson Police Department, 207-42-6 (2015).

Updated February 2020.