### Elliott Ash

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## Research Appointments

ETH Zurich

Assistant Professor (Professorship 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

#### Service Positions

Section Editor, AI for Empirical Legal Research, Artificial Intelligence and Law (2022-) Associate Editor, The Economic Journal (2021-2024)

Reviewer, Association for Computational Linguistics Rolling Review (2021-)

# Publications (Peer-Reviewed Journals)

- 1 Elliott Ash and W. Bentley MacLeod. "Mandatory Retirement Reforms for Judges Improved Performance on U.S. State Supreme Courts". American Economic Journal: Economic Policy (conditionally accepted).
- 2 Elliott Ash and Sergio Galletta. "<u>How Cable News Reshaped Local Government</u>". American Economic Journal: Applied Economics (forthcoming).
- 3 Elliott Ash, Daniel L. Chen, Arianna Ornaghi. "Gender Attitudes in the Judiciary: Evidence from U.S. Circuit Courts". American Economic Journal: Applied Economics (conditionally accepted).
- 4 Elliott Ash, Germain Gauthier, and Philine Widmer, "Relatio: Text Semantics Capture Political and Economic Narratives". Political Analysis (2023).
- 5 Elliott Ash and Michael Poyker, "Conservative News Media and Criminal Justice: Evidence from Fox News Channel". The Economic Journal (conditionally accepted).
- 6 Elliott Ash, Dominik Stammbach, and Kevin Tobia, "What is a person? Evidence on mind perceptions from natural language". Cognition (conditionally accepted).

- 7 Benjamin Minhao Chen, Zhiyu Li, David Cai, and Elliott Ash. "<u>Detecting the Influence of Chinese Guiding Cases: A Text Reuse Approach</u>". Artificial Intelligence and Law (2023).
- 8 Elliott Ash, Sergio Galletta, Dominik Hangartner, Yotam Margalit, and Matteo Pinna. "The Effect of Fox News on Health Behavior during COVID-19". Political Analysis (conditionally accepted).
- 9 Dominik Stammbach, Boya Zhang, Elliott Ash, "The Choice of Textual Knowledge Base in Automated Claim Checking". Journal of Data and Information Quality (2023).
- 10 Elliott Ash, Daniel Sgroi, Anthony Tuckwell, Shi Zhuo, "Mindfulness reduces information avoidance". Economics Letters (2023)
- 11 Tinghua Yu and Elliott Ash, "Polarization and Political Selection". Journal of Political Institutions and Political Economy (2023).
- 12 Gloria Gennaro and Elliott Ash, "Emotion and Reason in Political Language". Economic Journal (2022).
- 13 Elliott Ash and W. Bentley MacLeod, "Reducing Partisanship in Judicial Elections

  Can Improve Judge Quality: Evidence from U.S. State Supreme Courts". Journal of

  Public Economics (2021).
- 14 Moritz Osnabruegge, Elliott Ash, and Massimo Morelli, "Cross-Domain Topic Classification for Political Texts". Political Analysis (2021).
- 15 Elliott Ash, Daniel L. Chen, and Sergio Galletta. "Measuring Judicial Sentiment: Methods and Application to U.S. Circuit Courts". Economica (2021).
- 16 Matia Vannoni, Elliott Ash, and Massimo Morelli. "Measuring Discretion and Delegation in Legislative Texts: Methods and Application to U.S. States". Political Analysis (2020).
- 17 Allison Harris, Elliott Ash, and Jeffrey Fagan. "Fiscal pressures and discriminatory policing: Evidence from traffic stops in Missouri". Journal of Race, Ethnicity, and Politics (2020).
- 18 Elliott Ash, Massimo Morelli, and Matia Vannoni. "<u>Divided Government</u>, <u>Delegation</u>, and <u>Civil Service Reform</u>". Political Science Research and Methods (2020).
- 19 Elliott Ash and Miguel Urquiola. "A research-based ranking of public policy schools". Scientometrics (2020).
- 20 Yu Cao, Elliott Ash, and Daniel L. Chen. "Automated fact-value distinction in court opinions". European Journal of Law and Economics (2020).
- 21 Carina Hausladen, Marcel Schubert, and Elliott Ash. "Text classification of political ideology labels in judicial opinions". International Review of Law and Economics (2020).

- 22 Jessica Van Parys and Elliott Ash. "Sequential Decision-Making with Group Identity". Journal of Economic Psychology (2018).
- 23 Danny Price, Ellert van der Velden, Sebastien Celles, Peter Eendebak, Michael M. McKerns, Eben M. Olson, Colin Raffel, Bairen Yi, and Elliott Ash. "<u>Hickle: A HDF5-based python pickle replacement</u>". Journal of Open Source Software (2018).
- 24 Elliott Ash, Massimo Morelli, and Richard Van Weelden. "<u>Elections and divisiveness: Theory and evidence</u>". Journal of Politics (2017).
- 25 Elliott Ash and Bentley MacLeod. "Intrinsic Motivation in Public Service: Theory and Evidence from State Surpeme Courts". Journal of Law and Economics (2015).
- 26 Frans van Winden and Elliott Ash. "On the Behavioral Economics of Crime". Review of Law and Economics (2012).

## Invitations to Resubmit (Peer-Reviewed Journals)

- 1 Elliott Ash, Daniel L. Chen, and Suresh Naidu. "<u>Ideas have Consequences: The Impact of Law and Economics on American justice</u>". R&R at *Quarterly Journal of Economics*.
- 2 Elliott Ash, Massimo Morelli, and Matia Vannoni. "More Laws, More Growth? Evidence from U.S. States". R&R at Journal of Political Economy.
- 3 Elliott Ash, Johann Kruemmel, and Jonathan B. Slapin, "Better to be jeered than ignored? Gender and reactions during parliamentary debates". R&R at American Journal of Political Science.
- 4 Elliott Ash, Sergio Galletta, and Tommaso Giommoni. "A Machine Learning Approach to Analyze and Support Anti-Corruption Policy". R&R at American Economic Journal: Economic Policy.
- 5 Elliott Ash, Sam Asher, Aditi Bhowmick, Sandeep Bhupatiraju, Daniel L. Chen, Tanaya Devi, Christoph Goessmann, Paul Novosad, Bilal Siddiqi, "In-group bias in the Indian judiciary: Evidence from 5 million criminal cases", R&R at Review of Economics and Statistics.

# Publications (Peer-Reviewed Conference Proceedings)

- 1 Florian Dorner, Momchil Peychev, Nikola Konstantinov, Naman Goel, Elliott Ash, Martin Vechev, "<u>Human-Guided Fair Classification for Natural Language Processing</u>" *ICLR* (2023).
- 2 Nianyun Li, Naman Goel, and Elliott Ash, "<u>Data-Centric Factors in Algorithmic Fairness</u>," AAAI/ACM Conference on AI, Ethics, and Society (2022).
- 3 Dominik Stammbach, Maria Antoniak, and Elliott Ash, "Heroes, Villains, and Victims, and GPT-3: Automated Extraction of Character Roles Without Training Data", Workshop on Narrative Understanding (2022)

- 4 Nianlong Gu, Elliott Ash, and Richard Hahnloser, "MemSum: Extractive Summarization of Long Documents using Multi-step Episodic Markov Decision Processes", ACL Main Conference (2022).
- 5 Dominik Stammbach and Elliott Ash, "<u>DocSCAN: Unsupervised Text Classification via Learning from Neighbors</u>", KONVENS (2022).
- 6 Elliott Ash, Malka Guillot, and Luyang Hang, "Machine Extraction of Tax Laws from Legislative Texts", Natural Legal Language Processing (2021).
- 7 Malte Ostendorff, Elliott Ash, Terry Ruas, Bela Gipp, Julian Moreno-Schneider, and Georg Rehm, "Evaluating Document Representations for Content-based Legal Literature Recommendations" International Conference on AI and Law (2021).
- 8 Elliott Ash, Jeff Jacobs, Bentley MacLeod, Suresh Naidu, and Dominik Stammbach. "Unsupervised Extraction of Workplace Rights and Duties from Collective Bargaining Agreements". International Workshop on Mining and Learning in the Legal Domain (2020).
- 9 Lazar Peric, Stefan Mijic, Dominik Stammbach, and Elliott Ash. "Legal Language Modeling with Transformers". Automated Semantic Analysis of Information in Legal Text (2020).
- 10 Dominik Stammbach and Elliott Ash. "e-FEVER: Explanations and Summaries for Automated Fact Checking". Truth and Trust Online (2020).
- 11 Roland Friedrich, Mauro Luzzatto, and Elliott Ash. "Entropy in Legal Language". NLLP @ KDD (2020).
- 12 Ramya Vunikili, Hitesh Ochani, Divisha Jaiswal, Richa Deshmukh, Elliott Ash, and Daniel L. Chen. "Analysis of Vocal Implicit Bias in SCOTUS Decisions Through Predictive Modeling". Proceedings of Experimental Linguistics (2018).

# Publications (not Peer-Reviewed)

- 1 Elliott Ash and Stephen Hansen, "<u>Text Algorithms in Economics</u>". Annual Review of Economics (forthcoming).
- 2 Daniel Walters and Elliott Ash, "<u>If We Build It, Will They Legislate? Empirically Testing the Potential of the Nondelegation Doctrine to Curb Congressional 'Abdication'</u>", Cornell Law Review (2023).
- 3 Arun Advani, Elliott Ash, David Cai, and Imran Rasul, "Race-related research in economics and other social sciences", Econometric Society Monograph Series (forthcoming).
- 4 Elliott Ash and Omri Marian. "The making of international tax law: Empirical evidence from tax treaties text". Florida Tax Review (2020).
- 5 Nischal Mainali, Liam Meier, Elliott Ash, and Daniel L. Chen. "Automated Classification of Modes of Moral Reasoning in Judicial Decisions", in: Computational legal studies: The promise and challenge of data-driven research, Edward Elgar (2020).

- 6 Elliott Ash and Daniel L. Chen. "Case Vectors: Spatial Representations of the Law using Document Embeddings", in: Law as Data, SFI Press (2019).
- 7 Elliott Ash, "Comment: Emerging tools for a 'driverless' legal system," Journal of Institutional and Theoretical Economics (2018).
- 8 Elliott Ash and Daniel L. Chen. "What kind of judge is Brett Kavanaugh? A quantitative analysis". Cardozo Law Review Online (2018).
- 9 Jeffrey Fagan and Elliott Ash. "New Policing, New Segregation: From Ferguson to New York". Georgetown Law Journal Online (2017).

### Grants

- 1 European Research Council Starting Grant, "Tools from AI for Law and Social Science" (1.5M EUR, 2022-2027, funded by SERI).
- 2 Swiss National Science Foundation Sinergia Consortium Funding (with Marco D'Ambros, Tina Freyburg, Raphael Parchet), "Institutional Foundations of Industrialization, Financialization, and Globalization of the Swiss Economy: Evidence from 140 Years of the Commercial Registry" (3M CHF, 2022-2025).
- 3 Swiss National Science Foundation, Trilateral Call with India ICSSR and MoESS, "Big Data for Justice in India" (247K CHF, 2022-2025).
- 4 Hasler Foundation Responsible AI Project Grant (with Markus Leippold and Mrinmaya Sachan), "AI for Verification of Scientific Claims" (440K CHF, 2021-2024).
- 5 Swiss Network for International Studies Project Funding (with Lukas Fesenfeld and Yixian Sun), "The Political Economy of Meat System Transformation" (252K CHF, 2021-2023).
- 6 Swiss National Science Foundation Project Funding, "Deep causal models for legal and political texts" (573K CHF, 2020-2024).
- 7 Swiss Data Science Center Academic Collaboration Grant, "Narratives in law and politics: A computational linguistics approach" (591K CHF, 2020-2022).
- 8 Swiss National Science Foundation Spark Grant, "Mining Narratives from Text" (100K CHF, 2019-2020).
- 9 Russell Sage Foundation Presidential Grant (with Daniel L. Chen and Arianna Ornaghi), "Lexical gender bias in the judiciary", (35K USD, 2019-2020).
- 10 Mind & Life Europe Research Award (with Daniel Sgroi, Anthony Tuckwell, and Shi Zhuo), "Mindfulness and Economic Behaviour," (17.5K EUR, 2019-2021).
- 11 ETH Internal Research Grant, "Doctoral Research in Empirical Political Economy," (194K CHF, 2019-2022).
- 12 Swiss National Science Foundation, Scientific Exchanges Award, "Data Science for Law Conference," (11K CHF, 2019).
- 13 Turing Economic Data Science Award (with Thiemo Fetzer), "Letting Text Speak to Economic Data," (15K GBP, 2018-2019).
- 14 Princeton University Center for Health and Wellbeing Seed Grant (with Bentley MacLeod), "Aging and Work: The Health Consequences," (40K USD, 2018-2020).

15 Washington Center for Equitable Growth Grant(with Bentley MacLeod and Suresh Naidu), "Language, Laws, and Labor Contracts" (80K USD, 2017-2019)

## Teaching (Supervision and Mentorship)

Postdoc Advisor

Philine Widmer, 2023-

Germain Gauthier, 2023 (Assistant Professor at Bocconi starting Sept 2023)

Benjamin Arold, 2022-

Lena Song, 2022-2023 (joint with Columbia University Department of Economics)

Sergio Galletta, 2018-2020

Malka Guillot, 2018-2021, now Assistant Professor of Economics at HEC Liege.

#### PhD First Advisor

Claudia Marangon (2019-)

Christoph Goessmann (2020-)

Matteo Pinna (2020-)

Dominik Stammbach (2020-)

Isabelle Siegrist (2023-)

Jingwei Ni (2023-)

#### PhD Second Advisor

Alessandra Stampi-Bombelli (2019-), with Dominik Hangartner.

Afra Amini (2021-), with Ryan Cotterell.

Nianlong Gu (2021-2022), with Richard Hahnloser, now postdoc at ETH Zurich.

Alexis Perakis (2021-), with Samad Sarferad.

Germain Gauthier (2019-2023), Assistant Professor at Bocconi starting Sept 2023

Peng Cui (2023-), with Mrinmaya Sachan.

Jessica Lam (2023-), with Richard Hahnloser.

#### PhD Committee Member

Milena Djourelova (UPF, 2021), now Assistant Professor in Economics, Cornell.

Nikolas Kuhlen (Cambridge, 2021).

Oda Nedregard (Norwegian Business School, 2021-)

Sascha Langenbach (ETH, 2019), now ETH Postdoc.

#### Startups

DeepJudge (Paulina Grnarova, Yannic Kilcher, Kevin Roth, Florian Schmidt)

<u>Kwame AI</u> (George Boateng)

midpage (Otto Von Zastrow-Marcks)

# Teaching (Lectures)

#### ETH Zurich

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

Lecturer, Building a Robot Judge: Data Science for Decision-Making, 2019-

Lecturer, Natural Language Processing for Law and Social Science, 2020-

Co-Lecturer, Big Data for Public Policy Analysis, 2020-2021

Lecturer, Fiscal Policy and Inequality, 2018

University of Zurich

Instructor, "Text Data in Economics" Doctoral Seminar, 2022-

University of Warwick

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

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

Columbia University

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

## Teaching (Guest Instruction)

Text as Data in Economics Summer School, University of Warwick (2022).

International Conference on Computational Social Science: Tutorial on Transformers for Social Science (2021).

Russell Sage Summer Institute in Computational Social Science: ETH Zurich Site Organizer (2019 and 2021)

POLTEXT: Tutorial, Introduction to ML with text (2019 conference, Tokyo)

Alliance Graduate Summer School in Sustainable Development (Columbia University and Sciences Po): Instructor, Introduction to Text Mining (Summer 2019)

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

New York University. Center for Data Science: Project Advisor, Machine Learning and Computational Statistics (Spring 2017, Spring 2018)

International Max Planck Research School: Instructor, Text Analysis and Machine Learning for Social Science (Summer 2017)

Columbia University: Adjunct Assistant Professor, Master of Arts Thesis Course (Spring/Summer 2017).

# Teaching (Professional Trainings)

ETH Basic Teacher Training, 2020-2021

ETH Leadership Training, 2021

ETH Advanced Teacher Training, 2021-2022

# **Professional Memberships**

Bocconi Pericles Research Fellow (2021-)

ETH AI Center Associated Faculty (2020-)

Monash SoDa Labs Research Affiliate (2020-)

Co-PI, Zurich Digital Democracy Lab (2020-)

Zurich Center for Comparative and International Studies (2019-)

University of Warwick CAGE Research Associate (2018-)

### Referee Service

Journals. American Economic Journal: Applied Economics; American Economic Journal: Economic Policy; American Economic Review; American Economic Review: Insights; American Journal of Political Science; American Political Science Review; Artificial Intelligence Review; Artificial Intelligence and Law; British Journal of Political Science; Data Mining and Knowledge Discovery; Digital Scholarship in the Humanities; Economic Journal; Economica; Economics Letters; Economics & Politics; European Journal of Law and Economics; European Journal of Political Economy; International Journal of Communication; International Review of Law and Economics; Journal of Computational Social Science; Journal of Economic Behavior and Organization; Journal of the European Economics Association; Journal of Human Capital; Journal of International Trade Law and Policy; Journal of Law and Courts; Journal of Law and Economics; Journal of Law, Economics, and Organization; Journal of Legal Studies; Journal of Politics; Journal of Public Administration Research and Theory; Journal of Public Economics; Journal of the European Economic Association; Justice System Journal; Law and Social Inquiry; Law & Society Review; Legislative Studies Quarterly; Macroeconomic Dynamics; Oxford Bulletin of Economics and Statistics; PLOS One; PNAS Nexus; Political Communication; Political Science Research and Methods; Quarterly Journal of Economics; Review of Economics and Statistics; Scandinavian Journal of Economics; Social Justice Research; Soft Computing; Southern Economic Journal; Stanford Law Review.

Conferences. American Law and Economics Association; Association for Computational Linguistics; Conference on Empirical Legal Studies; Empirical Methods in Natural Language Processing; eScience International; European Association of Law and Economics, Natural Legal Language Processing Workshop; Royal Economic Society (Programme Committee for Machine Learning); Workshop on Automated Semantic Analysis of Information in Legal Text.

**Grants.** European Research Council (Advanced Grant), Israel Science Foundation, KU Leuven Research Council, Russel Sage, Swiss National Science Foundation, U.S. National Science Foundation.

**Books.** Routledge, Springer.

# Seminar/Conference Organization

Ongoing:

Zurich Workshop in AI+Economics (since 2022)

AI Policy Summit (since 2020)

ETH/UZH Workshop and Lecture Series in Law & Economics (since 2019)

Online Seminar in Economics + Data Science (since 2020)

Monash-Warwick-Zurich Text-as-Data Workshop (since 2021)

2023: Conference on Data Science and Law, Latsis Symposium on Strengthening Public Discourse.

2021: American Law and Economics Association Area Organizer in Judicial Behavior; European Association of Law and Economics Area Organizer in Employment Law and Discrimination, RES Conference, ACL Workshop on Causal Inference and NLP.

- 2020: Automated Semantic Analysis of Information in Legal Texts (ASAIL), Zurich Digital Democracy Workshop, CIS Mini-Workshops in Empirical Political Economy, UZH Empirical Legal Studies Workshop.
- 2019: 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.
- 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.

### Seminars and Presentations (since 2017)

- 2023: Oxford NLP for Social Data Science Conference, LMU Economics Seminar, Vanderbilt Physics of Law Conference, Bocconi PERICLES Seminar, Basel Workshop on Political Economy of Attention and Electoral Accountability, Institut d'Economia de Barcelona, Imperial College Business School, American Economic Association
- 2022: NBER Summer Institute (Development of the American Economy and Crime Working Groups), Columbia Law and Economics Workshop, LSE Conference on Economics of Narratives, Stanford Hoover Institute Workshop Series in Using Text as Data in Policy Analysis, EMNLP NLP+CSS Workshop (Invited Talk), Bocconi Economics Research Seminar, St. Gallen Lgal NLP Workshop, Economic Development and Institutions Online Conference, Venice Summer Institute in Non-Standard Data, Erasmus Institute Crime Workshop.
- 2021: Economic Development and Institutions Online Conference, Hoover Institution Workshop Series in Using Text as Data in Policy Analysis, Erasmus Institute Crime and Computational Methods Workshop, University of Zurich Empirical Legal Research Workshop, UCL Political Science Seminar, Natural Legal Language Processing Workshop, Causal Inference and Natural Language Processing Workshop, Hamburg Lecture Series in law and Economics, University of Chicago Law and Economics Workshop, American Law and Economics Association Conference, Digital Methods in History and Economics Workshop, ETH Z-PESS, Basel Economics Research Seminar, SciPy Mini Symposium on Computational Social Science & Digital Humanities, ACM COMPASS (Best Paper Award), Basel Robotics in Nursing Conference, Online Workshop in Computational Analysis of Law, NYU Law and Economics Seminar, University of Pittsburgh Applied Legal Analytics and AI Seminar, Economics of Crime Online Seminar, AI for Behavioral Change Workshop (poster), Bocconi CLEAN Economics of Crime Seminar, Norwegian Business School Seminar, Dartmouth Economics Seminar, Basel Economics Research Seminar, Lucerne Economics Seminar.
- 2020: Econometric Society Winter Meeting, Ljubljana Judicial Politics Workshop, Hertie School Political Economy Seminar, Marist College Economics Seminar, Zurich Digital Democracy Workshop, NBER Political Economy Winter Meeting, Harvard Empirical Legal Studies Seminar, Junior Americanist Workshop Series, Georgetown Law and Economics Seminar, Harvard Political Economy Seminar, University of Virginia Law and Economics Seminar, ETH Computational Social Science Seminar,

NBER Summer Institute Law & Economics Meeting, Bonn Law & Economics Workshop, St. Gallen Media Economics Workshop, ETH Law and Economics Speaker Series, Paris CREST Seminar, PolMeth Europe, St. Gallen Economics Research Seminar, Bologna Workshop on Elections, Democracy, and Populism.

2019: Stockholm Institute for International Economic Studies, MIT Governance Lab (co-author), New Directions in Analyzing Text as Data, Berkeley Law, Accounting, and Business Workshop, NBER Summer Institute Aging Meeting, POLTEXT Tokyo, EEA/ESEM Manchester, CAGE Workshop on the use of Language and Text in the Social Sciences.

2018: KU Leuven Empirical Legal Studies Seminar, Universita della Svizzera Italiana IdEP Seminar, ETH Political Economy Workshop, Conference on Empirical Legal Studies, ETH Inaugural Lecture, New Directions in Analyzing Text as Data, HKU Computational Legal Studies Workshop, BGSE Summer Forum Organizational Economics, Tinbergen Econometric Institute Workshop, Center for Empirical Legal Studies in Europe, Warwick PEPE Research Day, IZA Labor Statistics Workshop, Universite Paris Nanterre LIEN Seminar, NBER Culture & Institutions Spring Meeting (co-author), NYU NLP and Text as Data Speaker Series, Online Workshop on Computational Analysis of Law, Manifesto Corpus Conference, Bonn Law & Economics Workshop.

2017: Santa Fe Institute Computational Study of the Law, Warwick CAGE Workshop, National Tax Association, Conference on Empirical Legal Studies, American Political Science Association, Society for Institutional & Organizational Economics (Ronald H. Coase Best Dissertation Award), 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.

## Public Engagement

AI Policy Summit (ongoing)

ETH SDG Monitor (since 2022)

• available at <a href="https://sdg-monitor.ethz.ch/">https://sdg-monitor.ethz.ch/</a>.

Article on white collar crime in "Die Volkswirtschaft".

 $\bullet \qquad \text{available at https://dievolkswirtschaft.ch/de/2023/03/im-kopf-des-kriminellen/}\\$ 

Davos World Economic Forum: Panelist for AI, Future, Europe (2023).

Turing Centre Zurich, Images of the Human Lecture Series (November 2021)

ETH Golden Dandelion Award for Supporting Entrepreneurship (October 2021)

ETH VisCon (October 2021)

Zurich Digital Festival (September 2021)

ETH Scientifica (September 2021)

AI and Society - Analytics Club at ETH (June 2021)

ETH AI Center AI+X Lab and Dialogue (May 2021)

• available at <a href="https://www.youtube.com/watch?v=8S3d4nEHTAk">https://www.youtube.com/watch?v=8S3d4nEHTAk</a>.

ETH VisCon Student Conference (October 2020)

DataBeers Zurich (February 2020)

Davos World Economic Forum, House of Switzerland: Trust in the 21<sup>st</sup> Century (Jan. 2020)

Finimize Data and Finance Panel (December 2019)

ETH Podcast: "Which is fairer - human or machine?"

• available at <a href="https://ethz.ch/en/news-and-events/eth-news/news/2019/05/fair-algorithms.html">https://ethz.ch/en/news-and-events/eth-news/news/2019/05/fair-algorithms.html</a>.

Presentation to U.S. Congress Delegation to Swiss Embassy (April 2019)

TEDxZurich Connecting for Better Decisions (October 2018)

• available at <a href="https://youtu.be/6qIj7xSZKd0">https://youtu.be/6qIj7xSZKd0</a>.

Social Market Foundation Briefing: Judge, Jury, and EXEcute File (June 2018)

Reatch Panel on Algorithmic Justice (April 2018)

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

Updated May 2023.