

DANIEL L. CHEN

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CURRENT POSITION

Lead Principal Investigator, World Bank DE JURE (Data and Evidence for Justice Reform), 2020–
Directeur de Recherche, Centre National de la Recherche Scientifique (CNRS), 2018–
Professor, Toulouse School of Economics, 2017–
Institute for Advanced Study at Toulouse, 2015–

PAST POSITIONS

Chair of Law and Economics (with tenure), ETH Zurich (Swiss Federal Institute of Technology), 2012–2015
Assistant Professor of Law (primary), Economics, and Public Policy, Duke University, 2010–2012

EDUCATION

Harvard Law School, JD 2009
Massachusetts Institute of Technology, Economics PhD 2004
Harvard University, Applied Mathematics/Economics MS/AB 1999, *summa cum laude*
Montgomery Blair High School, Science, Mathematics, Computer Science Magnet, 1995

ARTICLES

INVITED TO RESUBMIT

- [The Deterrent Effect of the Death Penalty? Evidence from British Commutations During World War I](#) ([American Economic Review](#))
- [Covering: Mutable Characteristics and Perceptions of Voice in the U.S. Supreme Court](#) ([Review of Economic Studies](#); Y. Halberstam, A. Yu)
- [Can Policies Affect Preferences? Theory and Evidence from Random Variation in Abortion Jurisprudence](#) ([American Economic Journal: Economic Policy](#); V. Levonyan, S. Yeh)
- [Markets and Morality: Do Free Markets Corrode Moral Values?](#) ([Journal of Law, Economics, and Organization](#); E. Reinhart)
- [The Disavowal of Decisionism in American Law: Political Motivation in the Judiciary](#) ([Journal of Law and Courts](#); E. Reinhart)
- [Mapping the Geometry of Law using Document Embeddings](#) ([Science Advances](#); E. Ash)
- [Testing Axiomatizations of Ambiguity Aversion](#) ([Theory and Decision](#); M. Schonger)
- [A Theory of Experiments: Invariance of Equilibrium to the Strategy Method of Elicitation and Implications](#) ([Journal of Economic Science Association](#); M. Schonger)
- [The Political Economy of Beliefs: Why Fiscal and Social Conservatives/Liberals Come Hand-in-Hand](#) ([Journal of Comparative Economics](#); J. Lind)
- [Judicial Compliance in District Courts](#) ([Economic Inquiry](#); J. Frankenreiter, S. Yeh)

[Causal Effects of Judicial Sentiment: Methods and Application to U.S. Circuit Courts](#) ([Económica](#); E. Ash, S. Galletta)

2020

[Incarceration and its Disseminations: COVID-19 Pandemic Lessons from Chicago's Cook County Jail](#) ([Health Affairs](#); E. Reinhart)

[Automated Fact-Value Distinction in Court Opinions](#) ([European Journal of Law and Economics](#), 1-17, lead article; E. Ash, Y. Cao)

[Incremental AI](#) ([American Journal of Evaluation](#), forthcoming)

[The Better Way to Onboard AI](#) ([Harvard Business Review](#), forthcoming; B. Babic, T. Evgeniou, A. Fayard)

[Gender Violence and the Price of Virginty: Theory and Evidence of Incomplete Marriage Contracts](#) ([Journal of Religion and Demography](#), forthcoming)

2019

[Judicial Analytics and the Great Transformation of American Law](#) ([Artificial Intelligence and Law](#), 27(1), 15-42, 2019)

[Mandatory Disclosure: Theory and Evidence from Industry-Physician Relationships](#) ([Journal of Legal Studies](#), 48(2), 409-440, 2019; V. Levonyan, E. Reinhart, G. Taksler)

[A Decision-Theoretic Approach to Understanding Survey Response: Likert vs. Quadratic Voting for Attitudinal Research](#) ([University of Chicago Law Review Online](#), 22(2019); C. Cavaille, K. Van der Straeten)

[Machine Learning and Rule of Law](#) (in [Law as Data](#), Santa Fe Institute Press, ed. M. Livermore and D. Rockmore, 2019(16))

[Case Vectors: Spatial Representations of the Law Using Document Embeddings](#) (in [Law as Data](#), Santa Fe Institute Press, ed. M. Livermore and D. Rockmore, 2019(11); E. Ash)

[Attorney Voice and the U.S. Supreme Court](#) (in [Law as Data](#), Santa Fe Institute Press, ed. M. Livermore and D. Rockmore, 2019(13); Y. Halberstam, M. Kumar, A. Yu)

[Intermediated Social Preferences: Altruism in an Algorithmic Era](#) (in [Advances in the Economics of Religion](#), Volume 158, Palgrave Macmillan, 2019, ed. J. P. Carvalho, S. Iyer, J. Rubin)

2018

[What Kind of Judge is Brett Kavanaugh? A Quantitative Analysis](#) ([Cardozo Law Review de novo](#), 2018; E. Ash)

[Kavanaugh is radically conservative. Here's the data to prove it](#) ([Washington Post](#); Jul 10, 2018, E. Ash) based on [Research Note: Trump's Supreme Court Picks are Divisive, Just Like Him](#)

[Automated Classification of Modes of Moral Reasoning in Judicial Decisions](#) ([Computational Legal Studies](#), 2018; E. Ash, N. Mainali, L. Meier)

[Law and Literature: Theory and Evidence on Empathy and Guile](#) ([Review of Law and Economics](#), 15(1), 2018)

[Tastes for Desert and Placation: A Reference Point-Dependent Model of Social Preferences](#) ([Research in Experimental Economics](#), *Experimental Economics and Culture*, Volume 20, 205-226, 2018; Bingley, UK: Emerald; ed. A. Gunnthorsdottir and D. A. Norton)

[Non-Segmental Conditioning of Sibilant Variation in American English](#) ([Proceedings of the 9th International Conference on Speech Prosody](#), 2018; J. Phillips, A. Yu)

[Analysis of Vocal Implicit Bias in SCOTUS Decisions Through Predictive Modeling](#) ([Proceedings of Experimental Linguistics](#), 2018; R. Vunikili, H. Ochani, D. Jaiswal, R. Deshmukh, E. Ash)

2017

[Electoral Cycles Among U.S. Courts of Appeals Judges](#) (Journal of Law and Economics, 60(3), 479-496, 2017; C. Berdejo)

[The Shareholder Wealth Effects of Delaware Litigation](#) (American Law and Economics Review, 19(2), 287-326, 2017; A. Badawi)

[The Genealogy of Ideology: Identifying Persuasive Memes and Predicting Agreement in the U.S. Courts of Appeals](#) (Proceedings of the ACM Conference on AI and the Law, 2017; A. Parthasarathy, S. Verma)

[Early Predictability of Asylum Court Decisions](#) (Proceedings of the ACM Conference on AI and the Law, 2017; M. Dunn, L. Sagun, H. Sirin)

[Can Machine Learning Help Predict the Outcome of Asylum Adjudications?](#) (Proceedings of the ACM Conference on AI and the Law, 2017; J. Eigel)

2016

[Decision-Making Under the Gambler's Fallacy: Evidence From Asylum Courts, Loan Officers, and Baseball Umpires](#) (Quarterly Journal of Economics, 131(3), 1181-1241, 2016; T. Moskowitz, K. Shue)

[oTree: An Open Source Platform for Online, Lab, and Field Experiments](#) (Journal of Behavioral and Experimental Finance, 9(1), 88-97, 2016; M. Schonger, C. Wickens) <http://www.otree.org>

- Our mailing list [here](#) has 2,758 discussion topics (as of April 2020)

[What Matters: Agreement Between U.S. Courts of Appeals Judges](#) (Journal of Machine Learning Research (W&CP), 2016; X. Cui, L. Shang, J. Zheng)

- [NIPS 2016 \(Machine Learning and the Law\)](#)

[Perceived Masculinity Predicts U.S. Supreme Court Outcomes](#) (PLoS-ONE, 11(10), e0164324; Y. Halbestam, A. Yu)

[Are Online Labor Markets Spot Markets for Tasks? A Field Experiment on the Behavioral Response to Wages Cuts](#) (Information Systems Research, 27(2), 403-423, 2016; J. Horton)

2015

[Can Markets Stimulate Rights? On the Alienability of Legal Claims](#) (RAND Journal of Economics, 46(1), 23-65, 2015)

[Investigating Variation in English Vowel-to-Vowel Coarticulation in a Longitudinal Phonetic Corpus](#) (Proceedings of the 18th International Congress of Phonetic Sciences, 2015; C. Abrego-Collier, J. Phillips, B. Pillion, A. Yu)

2014

[The Construction of Morals](#) (Journal of Economic Behavior and Organization, 104, 84-105, 2014; S. Yeh)

[Economics, Religion, and Culture: A Brief Introduction](#) (Journal of Economic Behavior and Organization, 104, 1-3, 2014; D. Hungerman)

2013

[A Market for Justice: A First Empirical Look at Third Party Litigation Funding](#) (Journal of Business Law, 15(3), 2013; D. Abrams)

[Does Appellate Precedent Matter? Stock Price Responses to Appellate Court Decisions of FCC Actions](#) (in Empirical Legal Analysis: Assessing the Performance of Legal Institutions, 2013; A. Araiza, S. Yeh)

[Distinguishing Between Custom and Law: Empirical Examples of Endogeneity in Property and First Amendment Precedents](#) (William & Mary Bill of Rights Journal, 21(1081), 2013; S. Yeh)

2012

[Sparse Models and Methods for Optimal Instruments with an Application to Eminent Domain](#) (Econometrica, 80(6), 2369-2429, 2012; A. Belloni, V. Chernozhukov, C. Hansen)

[Does Disclosure Matter?](#) (Journal of Institutional and Theoretical Economics, 168(1), 120-123, 2012)

['Not that Smart': Sonia Sotomayor and the Construction of Merit](#) (Emory Law Journal, 61(4), 2012; G. Charles, M. Gulati)

2011

[Designing Incentives for Inexpert Human Raters](#) (Proceedings of the ACM Conference on Computer Supported Cooperative Work, 2011; J. Horton, A. Shaw)

[Can Countries Reverse Fertility Decline? Evidence from France's Marriage and Baby Bonuses, 1929-1981](#) (International Tax and Public Finance, 18(3), 253-272, 2011)

[Trading Off Reproductive Technology and Adoption: A Response to Appleton and Pollak](#) (Minnesota Law Review, 95(6), 2011; G. Cohen)

2010

[Club Goods and Group Identity: Evidence from Islamic Resurgence During the Indonesian Financial Crisis](#) (Journal of Political Economy, 118(2), 300-354, 2010)

[Trading Off Reproductive Technology and Adoption: Does Subsidizing IVF Decrease Adoption Rates and Should It Matter?](#) (Minnesota Law Review, 95(2), 2010; G. Cohen)

2007

[Islamic Resurgence and Social Violence During the Indonesian Financial Crisis](#) (in Institutions and Norms in Economic Development, MIT Press, ed. M. Gradstein and K. Konrad, 179-200, 2007)

[Religion, Welfare Politics, and Church-State Separation](#) (Journal of Ecumenical Studies; 42(1), 42-52, 2007; J. Lind)

2002

[Income Distribution Dynamics with Endogenous Fertility](#) (Journal of Economic Growth, 7(3), 227-258, 2002; M. Kremer)

1999

[Income Distribution Dynamics with Endogenous Fertility](#) (American Economic Review: Papers and Proceedings, 89(2), 155-160, 1999; M. Kremer)

1995

[An Empirical Study Comparing the Controlled Random Search Procedure and the General Simulated Annealing Method for Function Optimization](#) (Proceedings of the Fourth Annual District of Columbia Computer Science Conference, 1995)

GRANTS

PI: Knowledge for Change Trust Fund, 2020 - The Impact of Justice Innovations on Development (\$180,000)

PI: The Alfred P. Sloan Foundation, 2018 - oTree: An Open Source Platform for Experiments (\$300,000)

PI: ERC Consolidator Grant, 2014 - Origins and Effects of Normative Commitments (\$2,200,000)

PI: Swiss NSF, 2014 - Digital Humanities: Legal Analysis in a Big Data World" (\$413,000)

PI: Swiss NSF, 2014 - Positive Foundations of Normative Commitments" (\$545,000)

PI: ETH Fellowship Program Postdoctoral Sponsor, 2014 - High-Dimensional Econometrics in Law (\$223,000)

PI: Templeton Foundation, 2011 - Markets and Morality: Do Free Markets Corrode Moral Values? (\$200,000)

Co-PI: 3ie, 2019 - Law and Development (\$800,000)

Co-PI: DFID, 2019 - Using Administrative Data Systems to Improve Court Efficiency (\$643,000)

Co-PI: Jan Wallanders and Tom Hedelius Foundation, 2018 - Ideological Extremism or Integration (\$352,000)

KEYNOTES

[Keynote](#), International Conference on Computational Social Science – MIT (7/20)

[Keynote](#), AI and Law – Gothenberg (12/19)

[Keynote](#), Inauguration Law & Tech Lab – Maastricht (10/19)

[Plenary](#), Behavior and Data Science – Dijon (11/18)

[Keynote](#), French Law and Economics Association (10/18)

[Keynote](#), European Law and Economics Association (9/18)

2018 Heremans Lectures in Law & Economics – KU Leuven (3/18)

16th Spring School: Institutional and Organizational Economics Academy – Corsica (5/17)

Distinguished Lecture, Vienna – Inauguration for Law and Economics Center (12/14)