Curriculum Vitae
Philip Bradford Stark

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Biographical Information

Born: 7 October 1960, Houston, Texas.

Citizenship: U.S.A.

Interests

Theory: Inference, inverse problems, nonparametrics, optimization, restricted parameters, sampling

Applications: Astrophysics, cosmology, ecology, elections, geophysics, health, legislation, litigation, marketing, physics, public policy, risk assessment and control, uncertainty quantification

Appointments

7/2019–6/2021 Regional Associate Dean (interim), College of Chemistry and Division of Mathematical and Physical Sciences (ChaMPS), University of California, Berkeley

10/2015–6/2021 Associate Dean, Division of Mathematical and Physical Sciences, University of California, Berkeley

6/2016–8/2016 Visiting Professor of Theoretical Computer Science, IT University of Copenhagen

7/2012–6/2015 Chair, Department of Statistics, and Director, Statistical Computing Facility, University of California, Berkeley

7/2011–6/2012 Vice Chair, Department of Statistics, University of California, Berkeley

7/2011–8/2011 Acting Chair, Department of Statistics, University of California, Berkeley

7/2008–present Faculty, Designated Emphasis in Computational and Data Science and Engineering, University of California, Berkeley

7/1998–present Professor, Department of Statistics, University of California, Berkeley

7/2001–6/2003 Faculty Assistant in Educational Technology (to Vice Provost for Undergraduate Education), University of California, Berkeley

6/1996 Visiting Associate Professor, School of Mathematical Sciences, Tel Aviv University, Tel Aviv, Israel

7/1994–6/1998 Associate Professor, Department of Statistics, University of California, Berkeley

7/1988–6/1994 Assistant Professor, Department of Statistics, University of California, Berkeley

7/1987–6/1990 National Science Foundation Postdoctoral Fellow in Mathematical Sciences

1/1987–6/1987 Postgraduate Research, Department of Statistics, University of California, Berkeley

8/1986–12/1986 Postgraduate Research, Institute for Geophysics and Planetary Physics, UC San Diego

Awards and Fellowships

IEEE Cybersecurity Award for Practice (2023)

Velux/Villum Foundation Visiting Professor Programme (2015–2016)

Leamer-Rosenthal Prize for Transparency in Social Science (2015)

Chancellor's Award for Public Service, Research in the Public Interest, University of California, Berkeley (2011)

John Gideon Award for Election Integrity, Election Verification Network (2011)

Mellon Library/Faculty Fellow for Undergraduate Research (2006–2007)

Presidential Chair Fellow, University of California, Berkeley (2003–2004)

Fellow, American Statistical Association (selected 2014)

Fellow, Institute of Physics (elected 1999)

Miller Research Professor, Miller Institute for Basic Research in Science (1999)

Dobson Fellow, University of California at Berkeley (1998, 1999)

Presidential Young Investigator (1989–1995)

National Science Foundation Postdoctoral Fellowship in Mathematical Sciences (1987–1989)

University Fellowship, University of Texas at Austin (1982–1983)

Professional Societies

American Statistical Association: Fellow and Accredited Professional Statistician

Association of Foragers

Bernoulli Society for Mathematical Statistics and Probability

Institute of Mathematical Statistics

Institute of Physics: Fellow and Chartered Physicist

International Statistical Institute

Royal Astronomical Society: Fellow

Education

A.B. 1980, Princeton University, Princeton, New Jersey

Ph.D. 1986, University of California, San Diego, La Jolla, California

Mentors

Robert L. Parker, Institute for Geophysics and Planetary Physics, Scripps Institution of Oceanography, University of California, San Diego (PhD dissertation advisor)

George E. Backus, Institute for Geophysics and Planetary Physics, Scripps Institution of Oceanography, University of California, San Diego (postdoctoral advisor)

David L. Donoho, Department of Statistics, Stanford University (postdoctoral advisor)

Publications

Refereed Publications

1. Stark, P.B. and C. Frohlich, 1985. The depths of the deepest deep Earthquakes, *Journal of Geophysical Research*, *90*, 1859–1869.

2. Stark, P.B., R.L. Parker, G. Masters, and J.A. Orcutt, 1986. Strict bounds on seismic velocity in the spherical Earth, *Journal of Geophysical Research*, *91*, 13,892–13,902.

3. Stark, P.B., 1986. *Travel-Time Inversion: Regularization and Inference*, Ph.D. Thesis, Scripps Instution of Oceanography, University of California, San Diego, 106pp.

4. Stark, P.B., and R.L. Parker, 1987. Smooth profiles from tau(p) and X(p) data, *Geophysical Journal of the Royal Astronomical Society*, *89*, 2713–2719.

5. Stark, P.B., and R.L. Parker, 1987. Velocity bounds from statistical estimates of tau(p) and X(p), *Journal of Geophysical Research*, *92*, 2713–2719.

6. Stark, P.B., 1987. Rigorous velocity bounds from soft tau(p) and X(p) data, *Geophysical Journal of the Royal Astronomical Society*, *89*, 987–996.

7. Orcutt, J.A., R.L. Parker, P.B. Stark, and J.D. Garmany, 1988. Comment concerning "A method of obtaining a velocity-depth envelope from wide-angle seismic data" by R. Mithal and J.B. Diebold. *Geophysical Journal*, *95*, 209–212.

8. Stark, P.B. and R.L. Parker, 1988. Correction to "Velocity bounds from statistical estimates of tau(p) and X(p)." *Journal of Geophysical Research*, *93*, 13,821–13,822.

9. Donoho, D.L. and P.B. Stark, 1989. Uncertainty principles and signal recovery. *SIAM Journal of Applied Mathematics*, *49*, 906–931.

10. Stark, P.B., 1992. Affine minimax confidence intervals for a bounded Normal mean, *Statistics and Probability Letters*, *13*, 39–44.

11. Stark, P.B., 1992. Minimax confidence intervals in geomagnetism, *Geophysical Journal International*, *108*, 329–338.

12. Stark, P.B., 1992. Inference in infinite-dimensional inverse problems: Discretization and duality, *Journal of Geophysical Research*, *97*, 14,055–14,082. Reprint:
`http://onlinelibrary.wiley.com/doi/10.1029/92JB00739/epdf`

13. Donoho, D.L. and P.B. Stark, 1993. A note on rearrangements, spectral concentration, and the zero-order prolate spheroidal wavefunction. *IEEE Transactions on Information Theory*, *39*, 257–260.

14. Pulliam, R.J. and P.B. Stark, 1993. Bumps on the core-mantle boundary: Are they facts or artifacts?, *Journal of Geophysical Research*, *98*, 1943–1956.

15. Stark, P.B. and N.W. Hengartner, 1993. Reproducing Earth's kernel: Uncertainty of the shape of the core-mantle boundary from PKP and PcP travel-times, *Journal of Geophysical Research*, *98*, 1957–1972.

16. Stark, P.B., 1993. Uncertainty of the COBE quadrupole detection, *Astrophysical Journal Letters*, *408*, L73–L76.

17. Stark, P.B. and D.I. Nikolayev, 1993. Toward tubular tomography, *Journal of Geophysical Research*, *98*, 8095–8106.

18. Constable, C.G., R.L. Parker, and P.B. Stark, 1993. Geomagnetic field models incorporating frozen-flux constraints, *Geophysical Journal International*, *113*, 419–433.

19. Gough, D.O. and P.B. Stark, 1993. Are the 1986–1988 changes in solar free-oscillation frequency splitting significant?, *Astrophysical Journal*, *415*, 376–382.

20. Stark, P.B., M.M. Herron, and A. Matteson, 1993. Empirically minimax affine mineralogy estimates from Fourier-transform infrared spectroscopy data using a decimated wavelet basis, *Applied Spectroscopy*, *47*, 1820–1829.

21. Pulliam, R.J. and P.B. Stark, 1994. Confidence regions for mantle heterogeneity, *Journal of Geophysical Research*, *99*, 6931–6943.

22. Genovese, C.R., P.B. Stark, and M.J. Thompson, 1995. Uncertainties for Two-Dimensional Models of Solar Rotation from Helioseismic Eigenfrequency Splitting, *Astrophysical Journal*, *443*, 843–854.

23. Stark, P.B. and R.L. Parker, 1995. Bounded-variable least-squares: an algorithm and applications, *Computational Statistics*, *10*, 129–141. Preprint:
`https://www.stat.berkeley.edu/~stark/Preprints/bvls.pdf`

24. Hengartner, N.W. and P.B. Stark, 1995. Finite-sample confidence envelopes for shape-restricted densities, *The Annals of Statistics*, *23*, 525–550.

25. Stark, P.B., 1995. Reply to Comment by Morelli and Dziewonski, *Journal of Geophysical Research*, *100*, 15,399–15,402.

26. Gough, D.O., T. Sekii, and P.B. Stark, 1996. Inferring spatial variation of solar properties from helioseismic data, *Astrophysical Journal*, *459*, 779–791.

27. Benjamini, Y. and Stark, P.B., 1996. Non-equivariant simultaneous confidence intervals less likely to contain zero, *Journal of the American Statistical Association*, *91*, 329–337.

28. Hill, F., P.B. Stark, R.T. Stebbins, E.R. Anderson, H.M. Antia, T.M. Brown, T.L. Duvall, Jr., D.A. Haber, J.W. Harvey, D.H. Hathaway, R. Howe, R. Hubbard, H.P. Jones, J.R. Kennedy, S.G. Korzennik, A.G. Kosovichev, J.W. Leibacher, K.G. Libbrecht, J.A. Pintar, E.J. Rhodes, Jr., J. Schou, M.J. Thompson, S. Tomczyk, C.G. Toner, R. Toussaint, and W.E. Williams, 1996. The solar acoustic spectrum and eigenmode parameters, *Science*, *272*, 1292–1295.

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30. Stark, P.B., 1996. A few considerations for ascribing statistical significance to earthquake predictions, *Geophysical Research Letters*, *23*, 1399–1402.

31. Evans, S.N., and P.B. Stark, 1996. Shrinkage estimators, Skorokhod's problem, and stochastic integration by parts, *The Annals of Statistics*, *24*, 809–815.

32. Genovese, C.R. and P.B. Stark, 1996. Data Reduction and Statistical Consistency in Linear Inverse Problems, *Physics of the Earth and Planetary Interiors*, *98*, 143–162.

33. Stark, P.B., 1997. Earthquake prediction: the null hypothesis, *Geophysical Journal International*, *131*, 495–499.

34. Benjamini, Y., Y. Hochberg, and P.B. Stark, 1998. Confidence Intervals with more Power to determine the Sign: Two Ends constrain the Means, *Journal of the American Statistical Association*, *93*, 309–317.

35. Tenorio, L., P.B. Stark, and C.H. Lineweaver, 1999. Bigger uncertainties and the Big Bang, *Inverse Problems*, *15*, 329–341.

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37. Komm, R., Y. Gu, P.B. Stark, and I. Fodor, 1999. Multitaper Spectral Analysis and Wavelet Denoising Applied to Helioseismic Data, *Astrophysical Journal*, *519*, 407–421.

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41. D.A. Freedman and P.B. Stark, 2001. The swine flu vaccine and Guillain-Barré syndrome. *Law and Contemporary Problems*, *64*, 49–62. Reprint:
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    SSRN's Top Ten download list for ERN: Models of Political Processes: Rent-Seeking, Elections, Legislatures, & Voting Behavior

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59. Miratrix, L.W. and P.B. Stark, 2009. Election Audits using a Trinomial Bound. *IEEE Transactions on Information Forensics and Security: Special Issue on Electronic Voting*, *4*, 974–981. Reprint: `https://www.stat.berkeley.edu/~stark/Preprints/trinomial09.pdf`

60. Stark, P.B., 2009. Risk-limiting post-election audits: P-values from common probability inequalities. *IEEE Transactions on Information Forensics and Security: Special Issue on Electronic Voting*, *4*, 1005–1014. Reprint: `https://www.stat.berkeley.edu/~stark/Preprints/pvalues09.pdf`

61. Stark, P.B., 2009. Efficient post-election audits of multiple contests: 2009 California tests. Refereed paper presented at the 2009 Conference on Empirical Legal Studies. Preprint: `http://ssrn.com/abstract=1443314`

62. Stark, P.B., 2010. Risk-Limiting Vote-Tabulation Audits: The Importance of Cluster Size. *Chance*, *23*(3), 9–12. Preprint: `https://www.stat.berkeley.edu/~stark/Preprints/auditingChance10.pdf`

63. Stark, P.B., 2010. Super-simple simultaneous single-ballot risk-limiting audits. *2010 Electronic Voting Technology Workshop/Workshop on Trustworthy Elections (EVT/WOTE '10)*, D. Jones, J.J. Quisquater and E.K. Rescorla, eds. Reprint: `http://www.usenix.org/events/evtwote10/tech/full_papers/Stark.pdf`

64. Stark, P.B. and L. Tenorio, 2010. A Primer of Frequentist and Bayesian Inference in Inverse Problems. In *Large Scale Inverse Problems and Quantification of Uncertainty*, Biegler, L., G. Biros, O. Ghattas, M. Heinkenschloss, D. Keyes, B. Mallick, L. Tenorio, B. van Bloemen Waanders and K. Willcox, eds. John Wiley and Sons,

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265. Stark, P.B., 2024. Philip B. Stark's contribution to the Discussion of "Estimating means of bounded random variables by betting" by Ian Waudby-Smith and Aaditya Ramdas, *Journal of the Royal Statistical Society*, *86*, Issue 1, 49–51, https://doi.org/10.1093/jrsssb/qkad122

Software

1. Stark, P.B., and R.L. Parker, 1994. BVLS (Bounded-Variable Least Squares), STATLIB (Carnegie-Mellon University ftp server) http://lib.stat.cmu.edu/general/bvls

2. Java Applets for Statistics https://www.stat.berkeley.edu/~stark/Java/Html/index.htm

3. Millman, K., K. Ottoboni, P.B. Stark, and S. van der Walt, 2015. permute — a Python package for permutation tests https://github.com/statlab/permute

4. Ottoboni, K., and P.B. Stark, 2018. cryptorandom—a Python package for pseudorandom number generation and pseudorandom sampling using cryptographic hash functions https://github.com/statlab/cryptorandom

5. Tools for election audits
   https://www.stat.berkeley.edu/~stark/Vote/auditTools.htm
   https://www.stat.berkeley.edu/~stark/Vote/ballotPollTools.htm
   https://github.com/pbstark/auditTools
   https://github.com/pbstark/DKDHondt14
   https://github.com/pbstark/CORLA18
   https://github.com/pbstark/SHANGRLA

6. Tools to assess suspected lottery fraud
   https://github.com/pbstark/Lotto

7. Miscellaneous software and teaching materials:
   `https://www.stat.berkeley.edu/~stark/Code`
   `https://github.com/pbstark`
   `https://github.com/pbstark/StatNotes`
   `https://github.com/statlab`

Patents

1. McDonald, T., S. Smuin, B. Smuin, and P.B. Stark, 6 December 2012. United States Patent 9,510,638. Securement strap for a sandal.

2. Stark, 2023. U.S. Application No. 18/505,109 "SYSTEMS AND METHODS FOR PERFORMING A BALLOT-LEVEL COMPARISON RISK-LIMITING AUDIT WHILE ENSURING VOTER PRIVACY" Pending.

Selected Presentations

352. When Audits and Recounts Distract from Election Integrity: The 2020 U.S. Presidential Election in Georgia, E-Vote-ID, Tarragona, Spain, 1–4 October 2024. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditEVote24.slides.pdf`

351. Panel on the Curling v. Raffensperger litigation, DEF CON Voting Village, Las Vegas, NV, 9–10 August 2024

350. How to conduct a risk-limiting election audit: hands-on, DEF CON Voting Village, Las Vegas, NV, 9–10 August 2024. Materials: `https://github.com/pbstark/rla_demo/`

349. Risk-limiting audits: theory and practice, DEF CON Voting Village, Las Vegas, NV, 9–10 August 2024. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditDefCon24.slides.pdf`

348. Under Oath: Observations from the Curling v. Raffensperger Election Trial, Scrutineers, 21 February 2024.

347. Risk-limiting audits in theory, law, and practice, acceptance talk for the IEEE Cybersecurity Award for Practice, IEEE Secure Development Conference, Atlanta, GA, 18–20 October 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditIEEE23.slides.pdf`

346. Botanical Bonds—the interplay of plants & people, Ruth Bancroft Garden and Nursery, Walnut Creek, CA, 14 October 2023. `https://www.ruthbancroftgarden.org/event/event-botanical-bonds-the-interplay-of-plants-people/`

345. Verification and verifiability, Invited Panelist, E-Vote-ID 2023, Luxembourg, 4–6 October 2023.

344. A novel failure mode in elections, E-Vote-ID 2023, Luxembourg, 4–6 October 2023.

343. Exact and Conservative Inference in Blocked Experiments with Binary Outcomes, Permutation and Causal Inference: Connections and Applications, IMSI, Chicago, IL, 22–25 August 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/stratIMSI23.slides.pdf`

342. Election Integrity and Electronic Voting Machines in 2018 Georgia, USA, Berkeley–Tuskegee Data Science Initiative, Data Science Scholars Program, 31 July 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditTuskegee23.slides.pdf`

341. Conversation with Philip B. Stark, "Risk reconsidered: Histories, theories, applications: A workshop and public forum," Calleva Research Centre for Evolution and Human Science (Magdalen College, Oxford) and the Oxford Martin School, Oxford, UK, 6–7 June 2023.

340. Commencement Speech, "Shamelessness and Modesty," Lincoln University, Oakland, CA, 27 May 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/lincoln23.slides.pdf` Video: `https://drive.google.com/file/d/1Ue1fGF5-JcheSg27AmdbK4DhVX7ZnqTf/view?ts=64829015&pli=1`

339. Urban Foraging: Nutrition, Safety, and Food Security, Garden to Table Nutrition Dietetic Internship, 12 May 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/forageRD23.slides.pdf`

338. Overstatement-Net-Equivalent Risk-Limiting Audit: ONEAudit, Voting '23, Brač, Croatia, 5 May 2023. (presented by Jacob Spertus). Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditOneAuditVoting23.slides.pdf`

337. A taxonomy of audits, and a root-cause audit in New Hampshire. U.S. Election Assistance Commission Board of Advisors, Washington, DC, 25 April 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditEAC23.slides.pdf`

336. Preproducibility: What we may not, with advantage, omit. UCLA Center for Population Research, University of California, Los Angeles, CA, 19 April 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/reproUCLA23.slides.pdf`

335. Invited panelist, Emerging Election Technologies Enhancing Integrity, Transparency, and Confidence, AAAS Annual Meeting, Washington, DC, 3 March 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditAAAS23.slides.pdf`

334. Student evaluations of teaching: time to stop pretending. Faculty Association, University of Windsor, Windsor, Ontario, 28 February 2022.

333. Pay No Attention To the Model Behind the Curtain, International Seminars in Stochastics, Amirkabir University of Technology, 8 February 2023. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/curtainIR23.slides.pdf`

332. Evidence-Based Elections, Panel on Securing the Election Infrastructure: Challenges and Opportunities, IEEE International Conference on Collaboration and Internet Computing, 15 December 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditIEEE22.slides.pdf`

331. Evidence-Based Elections, Statistics 20 Plenary Guest Lecture, University of California, Berkeley, 9 November 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditStat20-22.slides.pdf`

330. Riffing On (and Ripping Off) Ron, RivestFest, MIT, Boston, MA, 7 October 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/rivestMIT22.slides.pdf`

329. Non(c)esuch Ballot-Level Risk-Limiting Audits, 1st International Workshop on Election Infrastructure Security, ESORICS, Copenhagen, DK, 30 September 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/noncesuchEIS22.slides.pdf`

328. Through the looking-glass, or sabbatical adventures in post-2020 election integrity, Department of Statistics, University of California, Berkeley, 31 August 2022 Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditUCBStat22.slides.pdf`

327. Evidence-based elections, Joint Statistical Meetings (JSM) invited session on Modern Machine Learning Tools for Social Science, 8 August 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditJSM22.slides.pdf`

326. Traffic is a moving target, Caltrans Active Transportation Census Workshop, University of California, Davis, 25 July 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/active-caltrans-ucd-22.slides.pdf`

325. Urban Foraging: Nutrition, Safety, and Food Security, Garden to Table Nutrition Dietetic Internship, 22 July 2022. `http://www.gardentotablenutrition.com/` Slides: `https://www.stat.berkeley.edu/~stark/Seminars/forageRD22.slides.pdf`

324. Student Evaluations of Teaching, Canadian Statistical Sciences Institute, Vancouver, BC, Canada, 11 May 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setCSSI22.htm`

323. Type III error: a bigger problem than P-values, BFF7: Bayesian, Fiducial & Frequentist, Toronto, Ontario, Canada, 2–4 May 2022. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/bff-p-values-22.pdf`

322. Nonparametric and adaptive methods for causal inference, auditing, and litigation, University of Melbourne, 11–12 April 2022. `https://events.unimelb.edu.au/event/14646-nonparametric-and-adaptive-methods-for-causal`

321. Invited Panelist, "Best Practices for Responding to Glitches During an Election," Election Verification Network Annual Conference, Washington, DC, 17–18 March 2022. Slides: https://www.stat.berkeley.edu/~stark/Seminars/auditEVN22.pdf

320. Evidence-Based Elections, Georgia Tech School of Cybersecurity and Privacy, Atlanta, Georgia, 3 February 2022. Video: https://smartech.gatech.edu/bitstream/handle/1853/66285/stark_videostream.html?sequence=2&isAllowed=y Slides: https://www.stat.berkeley.edu/~stark/Seminars/auditGATech22.slides.pdf

319. Do pre-analysis plans protect against false discoveries?, Workshop on Pre-Analysis Plans for the Statistical Analysis of Large-Scale and Complex Datasets, British National Centre for Research Methods, Edinburgh, Scotland, UK, 28 October 2021. https://www.stat.berkeley.edu/~stark/Seminars/reproEdinb21.slides.pdf

318. Eat the Weeds with Professor Philip Stark, *Foodie Pharmacology with Dr. Cassandra Quave*, July 2021. https://foodiepharmacology.podbean.com/e/eat-the-weeds-with-prof-philip-stark

317. Today's Electronic Voting Machines, An Examination of the Use and Security of Ballot Marking Devices, Free Speech For People, 21 June 2021. Slides: https://www.stat.berkeley.edu/~stark/Seminars/bmd-p-fsfp-21.slides.pdf Video: https://www.youtube.com/watch?v=aQXYHaHCjRA&t=361s

316. Evidence-Based Elections and the status of the Windham, NH, forensic audit, CCR-L, La Jolla, CA, 9 June 2021. Slides: https://www.stat.berkeley.edu/~stark/Seminars/auditCCRL21.slides.pdf, https://www.stat.berkeley.edu/~stark/Seminars/auditNH.pdf

315. Preproducibility: What may we, with advantage, omit? Dow Chemical, 10 May 2021. Slides: https://www.stat.berkeley.edu/~stark/Seminars/reproDow21.slides.pdf

314. Faculty Evaluation Forum, Austin Community College, 23 April 2021.

313. Evidence-Based Elections, New Hampshire Election Integrity Project, 14 April 2021. Slides: https://www.stat.berkeley.edu/~stark/Seminars/auditNH21.slides.pdf

312. Student Evaluations of Teaching, Denison University, 14 April 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setDenison21.htm`

311. Invited panelist, NSF Workshop, *Lessons Learned: Navigating a Presidential Election Through a Pandemic*, 25–26 March 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditNSF21.slides.pdf`

310. Invited panelist, Free and Fair Elections: Securing the Vote and Preparing for What's Next, Center for Security in Politics, University of California, Berkeley, 10 March 2021. Video: `https://www.youtube.com/watch?v=z5ovPya7P1M`

309. Evaluating the Evaluation of Teaching in Higher Education: What the Data from Student Surveys Do and Don't Tell Us, Berkeley Evaluation and Assessment Research (BEAR) Center, University of California, Berkeley, 9 March 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setUCBED21.htm` Video: `https://berkeley.app.box.com/s/dh4x3w9s3voqm9dqiwrmmeumctl5hzg7`

308. Urban Foraging, Sustainability, Biodiversity, and Food Security, *Wild and Fermented Foods DeCal*, University of California, Berkeley, 1 March 2021.

307. Evidence-based elections, Special Physics/Applied Mathematics Colloquium, University of Colorado, Boulder, CO, 24 February 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditCU21.slides.pdf`

306. Evidence-based elections, Department of Statistics, Carnegie-Mellon University, Pittsburgh, PA, 22 February 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditCMU21.slides.pdf`

305. Evidence-based elections, Santa Fe Institute, 27 January 2021. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditSantaFe21.slides.pdf`

304. Election Integrity, Bruin Republicans at UCLA, University of California, Los Angeles, 18 November 2020.

303. Urban Foraging, Sustainability, Biodiversity, and Food Security, *Wild and Fermented Foods DeCal*, University of California, Berkeley, 16 November 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/forageDecal20-2.slides.pdf`

302. Berkeley Conversations: Election Integrity and Security, Division of Computing, Data Science, and Society, University of California, Berkeley, 26 October 2020. `https://bids.berkeley.edu/events/election-integrity-and-security`

301. Evidence-Based Elections, *The Influencers Salon*, 10 October 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditInfluencers20.slides.pdf`

300. Guest lecturer, EECS 34525, *Election Cybersecurity*, University of Michigan, Ann Arbor, MI 5 October 2020.

299. Testing Cannot Tell Whether Ballot-Marking Devices Alter Election Outcomes, Institute for Social Research, Center for Political Studies, University of Michigan, Ann Arbor, MI, 30 September 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/bmd-p-um-20.slides.pdf`

298. Evidence-Based Elections, Stanford Biostatistics Workshop, Stanford University, Stanford, CA, 24 September 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditStanfordBio20.slides.pdf`

297. Evidence-Based Elections, Center for Data Analysis and Risk (CDAR), University of California, Berkeley, 15 September 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/auditCDAR20.slides.pdf`

296. Your Prior Can Bite You on the Posterior: Contrasting Bayesian and Frequentist Measures of Uncertainty, JPL Science Visitor and Colloquium Program – Earth Science Seminar, 1 September 2020. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/uqJPL20.slides.html`

295. Testing cannot tell whether Ballot-Marking Devices alter election outcomes, Def Con Voting Village, 6–8 August 2020.

Slides: https://www.stat.berkeley.edu/~stark/Seminars/bmd-p-talk-20.slides.pdf

294. Representing Certainties in Uncertainty Quantification: Constraints Versus Priors, Mathematical and Statistical Synergies in Uncertainty Quantification—Invited Papers Section on Physical and Engineering Sciences, Uncertainty Quantification in Complex Systems Interest Group, Quality and Productivity Section, Joint Statistical Meetings (JSM), 2–6 August 2020. Slides: https://www.stat.berkeley.edu/~stark/Seminars/uqJSM20.slides.html

293. The Future of Food: Our Salvation in Urban Foraging, San Francisco Design Week, 20 June 2020. https://sfdesignweek.org/events/the-future-of-food-our-salvation-in-urban-foraging/

292. Risk-Limiting Audits, Michigan Association of Municipal Clerks, 11 June 2020. https://www.stat.berkeley.edu/~stark/Seminars/auditMI20.slides.pdf

291. Panelist, The Bounty of Biodiversity: Empowering Cultural Connections to Nature through Foraging, 30 May 2020. https://onblend.tealeaves.com/biodiversity-virtual-event/

290. Panelist, How COVID-19 will shape the 2020 election, University of California, Berkeley, 8 May 2020. https://news.berkeley.edu/2020/05/08/how-covid-19-will-shape-the-2020-election/

289. Panelist, The Fight For Election Security, Electronic Frontier Foundation and Free Speech for People, 6 May 2020. https://www.youtube.com/watch?v=mVcTs9H62SE

288. Student Evaluations of Teaching: Incomplete, or Fail? EECS 375, University of California, Berkeley, 24 April 2020. https://www.stat.berkeley.edu/~stark/Seminars/setUCBEECS20.htm

287. Risk-Limiting Audits and Evidence-Based Elections, Joint UC Berkeley – UC Davis Statistics Colloquium, 21 April 2020. https://www.stat.berkeley.edu/~stark/Seminars/auditUCBUCD20.slides.pdf

286. Why is securing elections the hardest problem in IT security? RSA Conference, San Francisco, CA, 26 February

2020. https://www.rsaconference.com/usa/agenda/why-is-securing-elections-the-hardest-problem-in-it-security

285. Evidence-Based Elections: The Role of Risk-Limiting Audits, Election Integrity in the Networked Information Era, Georgetown Law, Washington, DC, 7 February 2020. https://www.georgetowntech.org/electionintegrity https://www.stat.berkeley.edu/~stark/Seminars/auditGLaw20.slides.pdf

284. Copyright, Academic Freedom, and Moral Hazard, Publish or Perish Reframed: Navigating the New Landscape of Scholarly Publishing, UC Berkeley Library, Berkeley, CA, 31 January 2020. https://www.stat.berkeley.edu/~stark/Seminars/reproUCBLib20.slides.pdf

283. Risk-Limiting Audits, MAA Invited Paper Session on "Can Mathematics Help Us Trust Our Elections Again?," Joint Mathematics Meetings, Denver, CO, 15–18 January 2020. https://www.stat.berkeley.edu/~stark/Seminars/auditMAA20.slides.pdf

282. Election Hacking and Security, Kensington Public Library, Kensington, CA, 13 January 2020. https://www.stat.berkeley.edu/~stark/Seminars/auditKensing20.slides.pdf

281. Eat your Weedies: How Wild and Feral Foods can be a Delicious & Nutritious Addition to your Diet, *Seabourn Ovation*, 25 November 2019. https://www.stat.berkeley.edu/~stark/Seminars/forageSeabourn19.slides.pdf (with D. Miller)

280. The Shape of Truth: Perspectives from Science and the Humanities, panelist (with John Campbell, Randy Schekman, Namwali Serpell), Flatiron Institute, New York, NY, 5 November 2019.

279. Practical Countermeasures for Election Hacking, Influencers *Miror*, San Francisco, CA, 18 October 2019. https://www.stat.berkeley.edu/~stark/Seminars/auditInfluencers19.html

278. Seismic Salad: Fresh Food after The Big One, Berkeley Emergency Prep Fair, Berkeley, CA, 12 October 2019.

277. RLAs and my Beefs with BMDs, The Coming 2020 Election Crisis: In Paper We Trust—3rd National Election Integrity Conference, Berkeley,

CA, 5–6 October 2019. https://www.stat.berkeley.edu/~stark/Seminars/auditVRTF19.slides.pdf. Video: https://youtu.be/3kICZB1pq0A

276. Trustworthy Elections: Evidence and Dispute Resolution, Voting Village, Def Con, Las Vegas, NV, 8–11 August 2019. https://www.stat.berkeley.edu/~stark/Seminars/auditDefcon19.slides.pdf

275. P-values are really quite nifty, Invited panel: "The P-Value Controversy: Where Do We Go from Here?," 2019 Joint Statistical Meetings, Denver, Colorado, 29 July 2019. https://www.stat.berkeley.edu/~stark/Seminars/jsm-p-values-19.slides.pdf

274. Growing Food on a Changing Planet: Roles for Biomimicry San Francisco Design Week, San Francisco, CA, 27 June 2019. https://www.stat.berkeley.edu/~stark/Seminars/forageTeaLeaves19.slides.pdf

273. Evidence-Based Elections and Risk-Limiting Audits, University of Melbourne, Melbourne, Australia, 17 April 2019. https://www.stat.berkeley.edu/~stark/Seminars/auditUMelb19.htm

272. Student Evaluations of Teaching Do Not Measure Teaching Effectiveness. What Do They Measure? School of Computing and Information Systems, University of Melbourne, Melbourne, Australia, 16 April 2019. https://www.stat.berkeley.edu/~stark/Seminars/setUMelb19.htm

271. Wild/Feral Food Identification Walk, Society for Conservation Biology, Berkeley Chapter, University of California, Berkeley, 13 March 2019.

270. Preproducibility: What may we, with advantage, omit?, Aquaculture 2019 Workshop on Zebrafish Husbandry, Keynote lecture, New Orleans, LA, 7–11 March 2019, https://www.stat.berkeley.edu/~stark/Seminars/reproZebra19.pdf

269. Protecting the Front Line: County Election Security in the 21st Century, Panel on election and voting technology, Google, Mountain View, CA, 6 March 2019.

268. Predictive Policing and the ETAS Model, National Association of Criminal Defense Lawyers, San Francisco, CA, 11 February 2019. https://www.stat.berkeley.edu/~stark/Seminars/nacdl19.pdf

267. Student Evaluations, Quantifauxcation, and Gender Bias, Information Theory Forum, Stanford University, Stanford, CA, 8 February 2019. https://www.stat.berkeley.edu/~stark/Seminars/setStanford19.htm, Video: https://youtu.be/xo_ECVymy7Y

266. TweetChat on Risk-Limiting Audits, MIT Election Data and Science Lab, 7 February 2019.

265. Student Evaluations, Quantifauxcation, and Gender Bias, The Science of Teaching: Evidence-Based Approaches in Biology Education Division of Biological Sciences Seminar Program, University of California, San Diego, San Diego, CA, 4 February 2019. https://www.stat.berkeley.edu/~stark/Seminars/setUCSD19.htm

264. Risk-Limiting Audits, Making Every Vote Count: A Practical Guide to Risk-Limiting Audits, Washington, DC, 31 January 2019. https://www.stat.berkeley.edu/~stark/Seminars/auditDC19.pdf Video: https://youtu.be/gMbz0_dizoA

263. Classical Statistics in Modern Elections, Conference in Honor of Prof. Yoav Benjamini's 70th Birthday, Jerusalem, Israel, 17–20 December 2018. https://www.stat.berkeley.edu/~stark/Seminars/auditBenja18.htm

262. Simulating a Ballot-Polling Risk-Limiting Audit with Cards and Dice, Multidisciplinary Conference on Election Auditing, MIT, Cambridge, MA, 7–8 December 2018. https://www.stat.berkeley.edu/~stark/Seminars/ballotPollingSimulation.pdf

261. Risk-Limiting Audits and Evidence-Based Elections, Multidisciplinary Conference on Election Auditing, MIT, Cambridge, MA, 7–8 December 2018. https://www.stat.berkeley.edu/~stark/Seminars/auditMIT18.htm

260. The Shape of Truth: Perspectives from Science and the Humanities, panelist (with Randy Schekman and John Campbell), Los Angeles, CA, 28 November 2018.

259. How to Tell if an Election Has Been Hacked, Nerd Nite, Oakland, CA, 26 November 2018. https://www.stat.berkeley.edu/~stark/Seminars/auditNerdNite18.htm

258. Student Evaluations of Teaching: Managing Bias and Increasing Utility, Center for Education Innovation and Learning in the Sciences, University of California, Los Angeles, Los Angeles, CA, 2 November 2018. https://www.stat.berkeley.edu/~stark/Seminars/setUCLA18.htm

257. Student evaluations of teaching do not measure teaching effectiveness. What do they measure?, Stanford-Berkeley Joint Colloquium, Department of Statistics, Stanford University, Stanford, CA, 30 October 2018. https://www.stat.berkeley.edu/~stark/Seminars/setStanford18.htm

256. Will my vote count? Political Science 191, University of California, Berkeley, 23 October 2018.

255. Availability, Safety, Palatability, and Nutrient Density of Wild and Feral Foods in Urban Ecosystems, ESPM 117, University of California, Berkeley, 16 October 2018. https://www.stat.berkeley.edu/~stark/Seminars/forageESPM18.pdf

254. Preproducibility, STEM Carib Conference, University College of the Cayman Islands, Grand Cayman Island, 9–12 October 2018 https://www.stat.berkeley.edu/~stark/Seminars/preproducibilityUCCI18.htm

253. Measuring Gender Bias in Student Evaluations of Teaching, STEM Carib Conference, University College of the Cayman Islands, Grand Cayman Island, 9–12 October 2018 https://www.stat.berkeley.edu/~stark/Seminars/setUCCI18.htm

252. PSHA is naked—and it doesn't work, Workshop: Which Way SPRA?, 14th Conference on Probabilistic Safety Assessment and Management, UCLA, Los Angeles, CA, 16 September 2018. https://www.stat.berkeley.edu/~stark/Seminars/psha-ucla-18.slides.html

251. Resilient Greens: Nutrition, Toxicology, & Availability of Edible Weeds in the East Bay, with D. Miller, T. Carlson, and K.R. de Vasquez,

Global Climate Summit, University of California, Davis, 10 September 2018.

250. Statistical Modeling, Machine Learning, and Inference, Machine Learning for Science Workshop, Lawrence Berkeley National Laboratory, Berkeley, CA, 4–6 September 2018. `https://www.stat.berkeley.edu/~stark/Seminars/lbl-ml18.slides.html`

249. Securing our Elections, Town Hall Meeting with Congressman Mark DeSaulnier and Secretary of State Alex Padilla, Walnut Creek, CA, 13 August 2018. `https://desaulnier.house.gov/media-center/press-releases/congressman-desaulnier-announces-town-hall-securing-our-elections`

248. Soil to Belly, Health from the Soil Up: A Soil Health to Human Health Learning Lab, Paicines Ranch, Paicines, CA, 9–12 August, 2018.

247. You want flies with that? Farm Biodiversity and Food Safety, Health from the Soil Up: Bridging the Silos of Health and Agriculture, Center for Occupational and Environmental Health, University of California, Berkeley, 9 August 2018. `https://www.stat.berkeley.edu/~stark/Seminars/flies18.pdf`

246. Lectures on Foundations of Statistics and Inference, Tokyo-Berkeley Data Science Boot-Up Camp, 9–19 July 2018, Graduate School of Mathematical Sciences, University of Tokyo, 9–19 July 2018. (3 lectures) Syllabus: `https://github.com/pbstark/basicsKavli18/blob/master/kavliStat18.pdf`

245. With Great Power Comes Great Responsibility: Multivariate Permutation Tests and Their Numerical Implementation, International Society for Nonparametric Statistics (ISNPS2018), Salerno, Italy, 11–15 June 2018. `https://www.stat.berkeley.edu/~stark/Seminars/prngISNPS18.slides.html`

244. Preproducibility, Reproducibility, Replicability: First Things First, Conference on Geodynamics and Big Data, Palau, Sardinia, 9–11 June 2018. `https://www.stat.berkeley.edu/~stark/Seminars/reproYuen18.htm`

243. Preproducibility, Reproducibility, Replicability: First Things First, All Souls College, University of Oxford, 29 May 2018. lides: `https://www.stat.berkeley.edu/~stark/Seminars/reproOX18.htm`

242. Separating Signal from Noise: Measuring Gender Bias in Student Evaluations of Teaching, International Conference on Software Engineering, Gothenburg, Sweden, 27 May–3 June 2018. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setICSE18.htm`

241. Where the Wild Foods Are: Everywhere!, Nordic Food Lab, University of Copenhagen, Copenhagen, Denmark, 24 May 2018. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/bosf18.pdf`

240. Wild and Feral Foods in the Mission District—and how to use them, Wildhawk, San Francisco, CA, 17 May 2018.

239. Don't bet on your random number generator, Department of Statistics and Data Science, University of Texas, Austin, TX 4 May 2018.

238. Student evaluations of teaching (mostly) do not measure teaching effectiveness, Simon Fraser University, Burnaby, BC, 26 April 2018. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setSFU18.htm` Video: `https://www.youtube.com/watch?v=5haOjlfJDb8&feature=youtu.be`

237. Public Engagement with Science, Molecular and Cell Biology 15, University of California, Berkeley, CA, 27 February 2018.

236. FoodInno: Wild Food, Statistics 98, University of California, Berkeley, 12 February 2018.

235. Quantifying Uncertainty in Inferences in Physics and Astronomy, Kavli IPMU–Berkeley Symposium "Statistics, Physics and Astronomy," Kavli Institute for the Physics and Mathematics of the Universe, Tokyo, Japan, 11–12 January 2018. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/uqKavli18.htm`

234. Teaching Evaluations (Mostly) Do Not Measure Teaching Effectiveness, American Association of Physics Teachers Winter Meeting, San Diego, CA, 6–9 January 2018. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setAAPT18.htm`

233. Big Data, Society, and Data Science Education, University of Hong Kong, Shenzhen Campus, Shenzhen, China, 29 December 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/bigDataHKUSZ17.pdf`

232. Big Data and Social Good, Institute for Geodesy and Geophysics, Wuhan, China, 27 December 2017.

231. Big Data, Quantifauxcation, and Cargo-Cult Statistics, Big Data Conference, China University of Geosciences, Wuhan, China, 26 December 2017.

230. P-values, Probability, Priors, Rabbits, Quantifauxcation, and Cargo-Cult Statistics, Statistics 159, Reproducible and Collaborative Data Science, University of California, Berkeley, CA, 14 November 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/rabbits157-17.ipynb`

229. Opportunities in applied statistics: an $n = 1$ observational study, Statistics Undergraduate Student Association (SUSA), University of California, Berkeley, CA, 30 October 2017.

228. Don't Bet on Your Random Number Generator, Consortium for Data Analytics in Risk (CDAR) Annual Colloquium, University of California, Berkeley, CA, 27 October 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/prngCDAR17.slides.html`

227. Leave Election Integrity to Chance, *Science @ Cal*, University of California. Berkeley, CA, 21 October 2017.

226. Audits and Evidence-Based Elections, 2nd *Take Back the Vote Conference*, Berkeley, CA, 7–8 October 2017. Video: `https://www.youtube.com/watch?v=pPGTkgpijUU`

225. Wild And Feral Foods: Increasing Nutrition, Food Security, Farm Biodiversity, and Farm Revenue; Decreasing Herbicides, Water Use, and the Carbon Footprint of the Food System, *2nd AgroecoWeb—International Online Congress on Agro-ecology and Permaculture*, Brazil, 4–10 October 2017. Video: `https://vimeo.com/235073616`

224. How Statistics can improve election integrity, PoliSci 191, *The Right to Vote in America*, University of California, Berkeley, 4 October 2017.

223. Wild and Feral Food Identification Walk, ESPM 98, *Berkeley Urban Garden Internship (BUGI)*, University of California, Berkeley, 27 September 2017.

222. Urban Foraging and Gleaning, *FoodInno*, University of California, Berkeley, 16 September 2017.

221. ETAS-trophic failures: fit, classification, and forecasting, *Big Data in Geosciences: From Earthquake Swarms to Consequences of Slab Dynamics*, a conference in honor of Robert Geller, University of Tokyo, Tokyo, Japan, 25–27 May 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/gellerFest17.pdf`

220. Risk-Limiting Audits, *Global Election Technology Summit*, San Francisco, CA, 17 May 2017. `https://www.getsummit.org/`

219. Where the Wild Things Grow, *Berkeley Path Wanderers Association*, Berkeley, CA, 22 April 2017. `http://berkeleypaths.org/events/event/where-the-wild-things-grow-2/`

218. Sometimes a Paper Trail Isn't Worth the Paper It's Written On, Keynote lecture, Workshop on Advances in Secure Electronic Voting, Financial Crypto 2017, Malta, 3–7 April 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/malta17.htm`

217. Don't Bet on Your Random Number Generator, Distinguished Lecture (`http://wwwen.uni.lu/snt/distinguished_lectures`), Center for Security, Reliability, and Trust, University of Luxembourg, Luxembourg, 31 March 2017. Slides: `https://github.com/pbstark/pseudorandom/blob/master/prngLux17.ipynb`

216. Faculty-Student Feedback: End-of-Semester Teaching Evaluations, Dialogues, Center for Teaching and Learning, University of California, Berkeley, 20 March 2017. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setUCBDialogue17.htm`

215. Edible Weeds Tour of South Hayward, Seed Lending Library, Hayward Public Library, Weekes Branch, Hayward, CA, 11 March

2017. http://www.libraryinsight.com/eventdetails.asp?jx=hzp&lmx=%C7cn%2D%AA%AE&v=3

214. Risk-limiting Audits and Evidence-based Elections, Santa Clara County Citizens Advisory Committee on Elections, San Jose, CA, 7 March 2017. Slides: https://www.stat.berkeley.edu/~stark/Seminars/santaClara17.pdf

213. Causal Inference from Data, Emerging Science for Environmental Health Decisions, Workshop on Advances in Causal Understanding of Human Health Risk-Based Decision Making, National Academy of Sciences, Engineering, and Medicine, Washington, DC, 6–7 March 2017. Slides: https://www.stat.berkeley.edu/~stark/Seminars/nasCause17.htm

212. BRII and Brie, Berkeley Research Impact Initiative (BRII), University of California, Berkeley, CA 22 February 2017.

211. Uncertainty Quantification, Conférence Universitaire de Suisse Occidentale, Les Diablerets, Switzerland, 5–8 February 2017. Slides: https://www.stat.berkeley.edu/~stark/Seminars/lesDiablerets17-1.pdf, https://www.stat.berkeley.edu/~stark/Seminars/lesDiablerets17-2.pdf, https://www.stat.berkeley.edu/~stark/Seminars/lesDiablerets17-3.pdf

210. Whose Votes (were) Counted in the Election of 2016?, ISF 198, *The 2016 U.S. Elections in Global Context: A Semester-Long Teach-In*, University of California, Berkeley, 24 January 2017. Slides: https://www.stat.berkeley.edu/~stark/Seminars/teachIn17.pdf

209. Invited panelist, "How Blockchain Technology Will and Won't Change the World," University of California, Berkeley, College of Letters and Sciences, hosted by Glynn Capital and Boost VC, San Mateo, CA, 30 November 2016.

208. Teaching Evaluations (Mostly) Do Not Measure Teaching Effectiveness, Distinguished Lecture Series, Department of Computer Science and Engineering, University of California, San Diego, San Diego, CA, 14 November 2016. Slides: https://www.stat.berkeley.edu/~stark/Seminars/setUCSD16.htm

207. Simple Random Sampling is not that Simple, *Random Processes And Time Series: Theory And Applications, A Conference In Honor Of Murray Rosenblatt*, UC San Diego, San Diego, CA, 21–23 October 2016.

206. Invited panelist, "Productive Ecologies in the Anthropocene: Foraging Systems," *Sixth International Conference on Food Studies*, Berkeley, CA, 12–13 October 2016.

205. Teaching Evaluations (Mostly) Do Not Measure Teaching Effectiveness, Ethics Colloquium Series, Colorado State University, Fort Collins, CO, 3 October 2016. Slides: `https://www.stat.berkeley.edu/~stark/Seminars/setCSU16.htm` Video: `https://echo.colostate.edu/ess/echo/presentation/64309bd5-6afd-4394-b5d3-5e6748f545f1`

204. Simple Random Sampling is not that Simple, Neyman Seminar, Department of Statistics, University of California, Berkeley, Berkeley, CA 21 September 2016.

203. The Aliens Have Landed ... and They Are Delicious, *Visions of the Wild*, Vallejo, CA, 15 September 2016.

202. Simple Random Sampling: Not So Simple, Section of Theoretical Computer Science, IT University of Copenhagen, Copenhagen, Denmark, 27 June 2016.

201. Simple Random Sampling: Not So Simple, Section of Mathematics, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, 24 June 2016.

200. Invited panelist, "Carrot vs. Stick: approaches to encouraging reproducibility," Moore-Sloan Data Science Environment Reproducibility Conference, New York University, New York, 3 May 2016.

199. Guest lecturer, MCB 15 (Public Understanding of Science), University of California, Berkeley, 12 April 2016.

198. Teaching Evaluations: Biased Beyond Measure, Center for Studies in Higher Education, and The Social Science Matrix, University of California, Berkeley, CA 11 April 2016. `https://www.stat.berkeley.edu/~stark/Seminars/setCSHE16.htm` Video: `https://www.youtube.`

com/watch?v=yhxUxBk-6GE, http://uctv.tv/shows/Teaching-Evaluations-Biased-Beyond-Measure-30870

197. Teaching Evaluations (Mostly) Do Not Measure Teaching Effectiveness, Wharton Statistics Department, University of Pennsylvania, Philadelphia, PA, 17 March 2016. https://www.stat.berkeley.edu/~stark/Seminars/setPenn16.htm

196. Invited Panelist, "The potentials and pitfalls of electronic auditing," Election Verification Network Conference: Securing Elections in the 21st Century, George Washington University, Washington, DC, 10–11 March 2016.

195. Invited Panelist, "Interoperability standards, proprietary codes, and verification/testing," III Arnold Workshop: Reproducibility in Modeling and Code, American Association for the Advancement of Science, Washington, DC, 16–17 January 2016. http://www.aaas.org/event/iii-arnold-workshop-modeling-and-code

194. Teaching Evaluations (Mostly) Do Not Measure Teaching Effectiveness, Department of Applied Mathematics and Statistics, University of California, Santa Cruz, 1 February 2016. https://www.stat.berkeley.edu/~stark/Seminars/setUCSC16.htm

193. A Noob's Guide to Reproducibility and Open Science, Department of Nuclear Engineering, Berkeley Institute for Data Science, and Berkeley Initiative for Transparency in Social Science, University of California, Berkeley, 25 January 2016. https://www.stat.berkeley.edu/~stark/Seminars/reproNE16.htm Video: http://www.ustream.tv/recorded/81987743

192. Chair, Wild Edibles Taste Workshop, 2015 Indigenous Terra Madre Conference, Shillong, Meghalaya, India, 3–7 November, 2015.

191. Invited Panelist, "From Field to Fork, the Stories of Chefs, Communities, and Writers," 2015 Indigenous Terra Madre Conference, Shillong, Meghalaya, India, 3–7 November, 2015. https://www.stat.berkeley.edu/~stark/Seminars/forageITM15.htm

190. Guest lecturer, ESPM 117 (Urban Garden Ecosystems), University of California, Berkeley, 20 October 2015. https://www.stat.berkeley.edu/~stark/Seminars/forageAgroEcol15.htm

189. Invited Panelist, "Statistical Implications of Big Data Applied to Risk Modeling," Consortium for Data Analytics in Risk (CDAR) Symposium, University of California, Berkeley, 16 October 2015. http://cdar.berkeley.edu/events/2015cdarsymposium/

188. Guest lecturer, Statistics 210A (Theoretical Statistics), University of California, Berkeley, 13–15 October 2015. https://github.com/pbstark/Nonpar

187. Risk-Limiting Audits and the Colorado Uniform Voting System Pilot, Colorado Pilot Election Review Committee Meeting, Office of the Colorado Secretary of State, Denver, CO, 9 October 2015. https://www.stat.berkeley.edu/~stark/Seminars/auditCO15.pdf

186. Wild and Feral Food in EBRPD, East Bay Regional Park District Volunteer Meeting, Oakland, CA, 15 September 2015. https://www.stat.berkeley.edu/~stark/Seminars/forageEBRPD15.htm

185. Probability and Statistics for Physical Science and Engineering PhD Students (a 15-hour course), University of Tokyo, 23–26 August 2015. Materials: http://www.github.com/pbstark/PhysEng

184. Statistics for Engineering PhD students (a 30-hour course), University of Padova, Padova, Italy, 29 June–7 July 2015. Materials: http://www.github.com/pbstark/Padova15

183. Pay no attention to the model behind the curtain, Significant Digits: Responsible Use of Quantitative Information, European Commission Joint Research Centre, Brussels, Belgium, 9–10 June 2015. https://www.stat.berkeley.edu/~stark/Seminars/rabbitsBrux15.htm

182. Reaping without Sowing: Wild Food and Urban Foraging, Berkeley Food Institute Seed Grant Forum, Berkeley, CA, 6 May 2015. https://www.stat.berkeley.edu/~stark/Seminars/bfi-15-5-6.htm Video: http://food.berkeley.edu/seed-grant-forum/

181. Invited panelist, Data Science: Supporting new Modes of Research, Annual Meeting of the Association of Research Libraries, Berkeley, CA, 28–30 April, 2015.

180. Teaching evaluations: class act or class action?, National Center for the Study of Collective Bargaining in Higher Education and the Professions, Annual Conference, Hunter College, New York, NY, 19–21 April 2015. `https://www.stat.berkeley.edu/~stark/Seminars/setNCSCB15.htm`

179. Where the Wild Things Grow, Berkeley Path Wanderers Association, Berkeley, CA, 4 April 2015. `http://berkeleypaths.org/events/event/where-the-wild-things-grow/`

178. Invited panelist, Brave New Audits: How We Can Implement Risk-Limiting Audits with Today's Machines, Off-the-Shelf Hardware, and Open Source Software, 2015 Election Verification Network Annual meeting, New Orleans, LA, 4–6 March 2015. `https://www.stat.berkeley.edu/~stark/Seminars/evn15.htm` Video: `https://youtu.be/DBcVicxJigs`

177. Co-chair, Election Auditing, NIST / U.S. Election Administration Commission Future of Voting Systems Symposium II, Washington, DC, 9–10 February 2015.

176. Teaching evaluations: truthful or truthy?, European Commission Joint Research Centre *Third Lisbon Research Workshop on Economics, Statistics and Econometrics of Education*, Lisbon, Portugal, 23–24 January 2015. `http://cemapre.iseg.ulisboa.pt/educonf/3e3/` `https://www.stat.berkeley.edu/~stark/Seminars/setLisbon15.htm`

175. Bad Numbers, Bad Policy, 5th Impact Assessment Course by the Joint Research Centre and the Secretariat General of the European Commission, Brussels, Belgium, 20–21 January 2015. `https://ec.europa.eu/jrc/en/event/training-course/5th-impact-assessment-course` `https://www.stat.berkeley.edu/~stark/Seminars/fauxBrux15.htm`

174. Quantifauxcation, European Commission Joint Research Centre, Ispra, Italy, 19 January 2015. `https://www.stat.berkeley.edu/~stark/Seminars/fauxIspra15.htm`

173. Preproducibility for Research, Teaching, Collaboration, and Publishing, Replicability and Reproducibility of Discoveries in Animal Phenotyping, Tel Aviv University, Tel Aviv, Israel, 5–7 January 2015. https://www.stat.berkeley.edu/~stark/Seminars/reproTAU15.htm Video: http://video.tau.ac.il/events/index.php?option=com_k2&view=item&id=5563:preproducibility-for-research-teaching-collaboration-and-publishing&Itemid=552

172. Urban Foraging—Real Street Food, Discover Cal: A Menu for Change, Los Angeles, CA, 18 November 2014. https://www.stat.berkeley.edu/~stark/Seminars/discoverCalLA14.htm

171. Guest lecturer, 6.S897/17.S952: Elections and Voting Technology, MIT, 13 November 2014.

170. Open Geospatial Data Down in the Weeds: Urban Foraging, Food Deserts, Citizen Science, Sustainability, and Reproducibility, Assessing the Socioeconomic Impacts and Value of 'Open' Geospatial Information, The George Washington University, Washington DC, 28–29 October 2014. https://www.stat.berkeley.edu/~stark/Seminars/openGeospatial14.htm

169. Student Evaluations of Teaching, University of San Francisco, 23 October 2014. https://www.stat.berkeley.edu/~stark/Seminars/setUSF14.htm

168. Guest lecturer, CS 76N: Elections and Technology, Stanford University, 14 October 2014.

167. Statistical Evidence and Election Integrity, XXIX International Forum on Statistics, UPAEP, Puebla, Mexico, 29 September–3 October 2014. https://www.stat.berkeley.edu/~stark/Seminars/foro14.pdf

166. Nonparametric Inference, Auditing, and Litigation, Short course at XXIX International Forum on Statistics, UPAEP, Puebla, Mexico, 29 September–3 October 2014. https://github.com/pbstark/MX14

165. Invited participant, Pew Charitable Trusts roundtable: Challenges Related to the Voting Systems Marketplace, Chicago, IL, 8 September 2014.

164. Invited panelist, U.S. Election Assistance Commission roundtable: Expanding the Body of Knowledge of Election Administration–Reflections and Future Direction, 3 September 2014. http://www.eac.gov/eac_grants_expanding_the_body_of_knowledge_of_election_administration_%E2%80%93_reflections_and_future_dire/ Video: http://mediasite.yorkcast.com/webcast/Play/a90f223fa61940cd893b70fab55fe1b51d

163. Reproducibility, Evidence, and the Scientific Method, Late-breaking session on Reproducibility, Joint Statistical Meetings, Boston, MA, 2–7 August 2014. https://www.stat.berkeley.edu/~stark/Seminars/reproJSM14.htm

162. Invited panelist, Big Data & Academic Libraries, International Alliance of Research Universities, 3rd Librarians' Meeting, University of California, Berkeley, CA, 23–24 June 2014.

161. Mini-Minimax Uncertainty Quantification for Emulators, 2nd Conference of the International Society for Nonparametric Statistics, Cadiz, Spain, 11–16 June 2014. https://www.stat.berkeley.edu/~stark/Seminars/emulatorISNPS14.pdf

160. Reproducible and Collaborative Statistical Data Science, Transparency Practices for Empirical Social Science Research, 2014 Summer Institute, University of California, Berkeley, CA, 2–6 June 2014. https://www.stat.berkeley.edu/~stark/Seminars/bitss14.pdf

159. Risk-Limiting Audits for Denmark and Mongolia, Third DemTech Workshop on Danish Elections, Trust, and Technology for the Mongolian General Election Commission, IT University of Copenhagen, Copenhagen, Denmark, 24 May 2014. https://www.stat.berkeley.edu/~stark/Seminars/itu14.pdf

158. How to Lie With Big Data (and/or Big Computations), Panel on Data Deluge or Drought (Quality and Quantity), MPE13+ Workshop on Global Change, DIMACS Special Program: Mathematics of Planet Earth 2013+, University of California, Berkeley, CA, 19–21 May 2014. https://www.stat.berkeley.edu/~stark/Seminars/mpe14.pdf

157. Invited panelist, Relying on Data Science: Reproducible Research and the Role of Policy, DataEDGE conference, UC Berkeley School of Information, Berkeley, CA, 8–9 May 2014.

156. Invited panelist, Some Tools and Solutions, University of Washington / Moore–Sloan First Reproducibility Workshop, eScience Institute, University of Washington, Seattle, WA, 8 May 2014 `https://www.stat.berkeley.edu/~stark/Seminars/reproUW14.pdf`

155. Some people have all the luck, Institute for Pure and Applied Mathematics, UCLA, Los Angeles, CA, 28 April 2014. (with Skip Garibaldi and Lawrence Mower) `http://www.ipam.ucla.edu/programs/PUBLEC2014/` Video: `https://www.youtube.com/watch?v=s8cHHWNblA4`

154. Invited panelist, Ask a Statistician, SIAM/ASA/GAMM/AGU Conference on Uncertainty Quantification, Savannah, GA, 29 March – 3 April 2014.

153. Invited panelist, The Reliability of Computational Research Findings: Reproducible Research, Uncertainty Quantification, and Verification & Validation, SIAM/ASA/GAMM/AGU Conference on Uncertainty Quantification, Savannah, GA, 29 March – 3 April 2014. `https://www.stat.berkeley.edu/~stark/Seminars/reproUQ14.pdf` Video: `http://client.blueskybroadcast.com/SIAM14/UQ/siam_uq14_MS42_3`

152. Invited panelist, New Paradigms for Voting Systems, 2014 Election Verification Network Annual meeting, San Diego, CA, 5–7 March 2014. `https://www.stat.berkeley.edu/~stark/Seminars/evn14NewParadigms.pdf` Video: `https://www.youtube.com/watch?v=bTlHYkiYBZI`

151. Invited panelist, End-to-End Verifiable Voting Roundtable, 2014 Election Verification Network Annual meeting, San Diego, CA, 5–7 March 2014. Video: `https://www.youtube.com/watch?v=jsGSQV_rFzA`

150. Invited panelist, Improving Teaching through uncharted Waters: Peer Observation and other Approaches, Dialogues, a Colloquium Series on Teaching, Center for Teaching and Learning, University of California, Berkeley, 26 February 2014. `http://teaching.berkeley.edu/dialogues-colloquium-series-teaching`

149. Invited panelist, Unpacking the Voting Technology Debate, 2014 Voting and Elections Annual Summit, Overseas Vote Foundation and U.S. Vote Foundation, George Washington University, Washington, D.C., 30 January 2014. https://www.overseasvotefoundation.org/initiatives-UOCAVAsummit-summit2014-agenda Video: http://www.youtube.com/watch?v=UXqqnOWhsmA&list=PLtRB8fQ0zBR8Nza-G-RGln-HTrkp4UM6F&feature=share&index=1#t=23m30s

148. Risk-Limiting Audits for Party-List Elections. IT University of Copenhagen, Copenhagen, Denmark, 21 November 2013. https://www.stat.berkeley.edu/~stark/Seminars/itu13.pdf

147. Selective Inference and Conditional Tests. Department of Statistics and Operations Research, Tel Aviv University, Tel Aviv, Israel, 28 October 2013.

146. Ontology of Earthquake Probability: Metaphor. Dynamics of Seismicity, Earthquake Clustering and Patterns in Fault Networks, Statistical and Applied Mathematical Sciences Institute (SAMSI), Research Triangle Park, NC, 9–11 October 2013. https://www.stat.berkeley.edu/~stark/Seminars/samsiSeis13.pdf

145. Invited panelist, Innovations in On-line Learning, Designing a World University, World Academy Forum on Global Higher Education, Berkeley, California, 2–3 October 2013.

144. E2E to Hand-to-Eye: Verifiability, Trust, Audits, Vote ID 2013: The 4th International Conference on e-Voting and Identity, University of Surrey, Guildford, UK 17–19 July 2013. https://www.stat.berkeley.edu/~stark/Seminars/voteID13.pdf

143. Mini-Minimax Uncertainty of Emulators, Center for Security, Reliability, and Trust, University of Luxembourg, Luxembourg, 9 July 2013. https://www.stat.berkeley.edu/~starkstark/Seminars/emulatorLux13.pdf

142. Invited panelist, Extracting Actionable Insight From Dirty Time-Series Data, Berkeley Research Data Science Lectures, University of California, Berkeley, 21 June 2013. Video: http://vcresearch.berkeley.edu/datascience/webcast-data-science-lecture-series-june-21

141. Uncertainty quantification for emulators, Dipartimento di Fisica e Astronomia, Università di Bologna, Bologna, Italy, 5 June 2013. https://www.stat.berkeley.edu/~stark/Seminars/emulatorUniBo13.pdf

140. Leveraging Paper Ballots, Running Elections Efficiently, A Best Practices Convening, Common Cause – Common Cause / NY – Columbia University School of International and Public Affairs, Columbia University, New York, NY, 20 May 2013. https://www.stat.berkeley.edu/~stark/Seminars/ccNY13.pdf

139. Uncertainty quantification for emulators, University of California, Los Angeles, 11 April 2013. https://www.stat.berkeley.edu/~stark/Seminars/emulatorUCLA13.pdf

138. Brittle and Resilient Verifiable Voting Systems, Verifiable Voting Schemes Workshop: from Theory to Practice, Interdisciplinary Centre for Security, Reliability and Trust, University of Luxembourg, Luxembourg 21–22 March 2013. https://www.stat.berkeley.edu/~stark/Seminars/vv13.pdf

137. Now What?, Election Verification Network Annual Conference, The Right to a Secure, Transparent and Accurate Election, Atlanta, Georgia 14–15 March 2013. https://www.stat.berkeley.edu/~stark/Seminars/evn13nowWhat.pdf

136. Machine-Assisted Transitive Audits, Election Verification Network Annual Conference, The Right to a Secure, Transparent and Accurate Election, Atlanta, Georgia 14–15 March 2013.

135. Risk-limiting Audits and Evidence-Based Elections in a Nutshell, Election Verification Network Annual Conference, The Right to a Secure, Transparent and Accurate Election, Atlanta, Georgia 14–15 March 2013. https://www.stat.berkeley.edu/~stark/Seminars/evn13nutshell.pdf

134. Reproducibility in Computational and Experimental Mathematics, ICERM, Brown University, Providence, RI, 10–14 December 2012. http://icerm.brown.edu/tw12-5-rcem

133. Whaddya know? Bayesian and Frequentist approaches to inverse problems, Inverse Problems: Practical Applications and Advanced Analysis,

Schlumberger WesternGeco, Houston, TX, 12–15 November 2012. https://www.stat.berkeley.edu/~stark/Seminars/swg12.pdf

132. Evidence-Based Elections, E-Voting: Risk and Opportunity Conference, Center for Information Technology Policy, Princeton University, Princeton, NJ, 1 November 2012. https://www.stat.berkeley.edu/~stark/Seminars/princeton12.pdf Video: http://youtu.be/1Z6JW1t_sFI

131. Evidence-Based Elections, Berkeley/Stanford Data, Society and Inference Seminar, Stanford University, Stanford, CA 8 October 2012. https://www.stat.berkeley.edu/~stark/Seminars/dataSocietyInference12.pdf

130. Voting Technology Exploratory Meeting, The Pew Charitable Trusts Center on the States, Santa Monica, CA 23–24 August 2012.

129. Lightning Debates, Workshop on Electronic Voting Technology / Workshop on Transparent Elections, (EVT/WOTE '12), USENIX, Bellevue, WA, 6–7 August 2012. Video: https://www.usenix.org/conference/evtwote12/panel-2-title-tbd

128. BRAVO: Ballot-polling Risk-limiting Audits to Verify Outcomes, Workshop on Electronic Voting Technology / Workshop on Transparent Elections, (EVT/WOTE '12), USENIX, Bellevue, WA, 6–7 August 2012. https://www.stat.berkeley.edu/~stark/Seminars/evt12.pdf Video: https://www.usenix.org/conference/evtwote12/s6-paper-title-tbd

127. The Will of the People and the Luck of the Draw: Using Statistics to Limit the Risk of Wrong Electoral Outcomes, Joint Statistical Meetings, San Diego, CA, 29 July 2012. https://www.stat.berkeley.edu/~stark/Seminars/jsm12.pdf

126. Evidence-Based Elections, Risk-Limiting Audits, and Resilient Canvass Frameworks, SecVote 2012 Summer School on Secure Voting, Leibniz-Zentrum für Informatik, Schloss Dagstuhl, Germany, 16 July 2012. https://www.stat.berkeley.edu/~stark/Seminars/dagstuhl12.pdf

125. The Effectiveness of Internet Content Filters, Distinguished Lecture (http://wwwen.uni.lu/snt/distinguished_lectures), Center for Security, Reliability, and Trust, University of Luxembourg, Luxembourg, 13 July 2012. https://www.stat.berkeley.edu/~stark/Seminars/luxembourg12.pdf

124. Evidence-Based Elections, International Association of Clerks, Recorders, Election Officials & Treasurers (IACREOT) annual conference, Albuquerque, NM, 30 June 2012. https://www.stat.berkeley.edu/~stark/Seminars/iacreot12.pdf

123. Confidence Limits, Progress on Statistical Issues in Searches, SLAC National Accelerator Laboratory, Stanford, CA, 4–6 June 2012. https://www.stat.berkeley.edu/~stark/Seminars/slac12.pdf

122. UQQ, UQ: Transition Workshop, Statistical and Applied Mathematical Sciences Institute (SAMSI), Research Triangle Park, NC, 21–23 May 2012. https://www.stat.berkeley.edu/~stark/Seminars/samsi12.pdf

121. Testing for Poisson Behavior, Seismological Society of America Annual Meeting, San Diego, CA, 17–19 April 2012. https://www.stat.berkeley.edu/~stark/Seminars/ssa12.pdf

120. Get Out The Audit (GOTA), Election Verification Network Annual Conference, Santa Fe, NM, 29–30 March 2012. https://www.stat.berkeley.edu/~stark/Seminars/evnGOTA12.pdf

119. The Long View: Evidence-Based Elections, Election Verification Network Annual Conference, Santa Fe, NM, 29–30 March 2012. https://www.stat.berkeley.edu/~stark/Seminars/evnLongView12.pdf

118. The Will of the People and the Luck of the Draw: Risk-Limiting Audits and Resilient Canvass Frameworks, San Francisco Chapter of the American Statistical Association, Berkeley, CA, 16 February 2012. https://www.stat.berkeley.edu/~stark/Seminars/asa12.pdf

117. Evidence-Based Elections: Colorado's Future?, Colorado Elections Best Practices & Vision Commission, Denver, CO, 14 December 2011. https://www.stat.berkeley.edu/~stark/Seminars/co-11-12-14.pdf Audio: mms://pub.sos.state.co.us/20111214130705B

116. From the Virtual Trenches, *Letters and Sciences Colloquium on Undergraduate Education:* The Virtual University—Challenges and Opportunities, University of California, Berkeley, CA, 16 November 2011. http://ls.berkeley.edu/stories/archive/fall-2011-colloquium-undergraduate-education-0 https://www.stat.berkeley.edu/~stark/Seminars/onlineEd11.pdf Video: http://www.youtube.com/watch?v=40vGDuPSJso

115. Earthquake Clustering and Declustering, Institute de Physique du Globe de Paris, Paris, France, 4 October 2011. https://www.stat.berkeley.edu/~stark/Seminars/ipg11.pdf

114. Fears, Predictions, Hopes & Plans, *Panel on the Future*, Election Integrity: Past, Present, and Future, Caltech/MIT Voting Technology Project, Cambridge, MA, 1 October 2011. https://www.stat.berkeley.edu/~stark/Seminars/mit11.pdf Video: http://techtv.mit.edu/collections/vtp/videos/14802-eippf-2011-3-the-future

113. Risk-limiting Audits: Soup to Nuts, and Beyond, Workshop on Electronic Voting Technology / Workshop on Transparent Elections, (EVT/WOTE '11), USENIX, San Francisco, CA, 9 August 2011. https://www.stat.berkeley.edu/~stark/Seminars/evtRLA11.pdf

112. SOBA: Secrecy-preserving Observable Ballot-level Audit, Workshop on Electronic Voting Technology / Workshop on Transparent Elections, (EVT/WOTE '11), USENIX, San Francisco, CA, 9 August 2011. https://www.stat.berkeley.edu/~stark/Seminars/evtSoba11.pdf

111. The Effectiveness of Internet Content Filtering, Workshop on Free and Open Communication on the Internet (FOCI '11), USENIX, San Francisco, CA, 8 August 2011. https://www.stat.berkeley.edu/~stark/Seminars/foci11.pdf

110. SticiGui, Onsophic, and Statistics W21, Panel on online instruction, Joint Statistical Meetings, Miami Beach, FL, 31 August 2011. https://www.stat.berkeley.edu/~stark/Seminars/jsm11.pdf

109. Risk Limiting Audits, Colorado Secretary of State, Colorado Risk Limiting Audit (CORLA) Kick-off Meeting, Denver, CO, 16 June 2011. https://www.stat.berkeley.edu/~stark/Seminars/co-11-6-16.pdf

108. Simultaneous Confidence Intervals with more Power to Determine Signs, Conference in honor of Erich Lehmann, Rice University, Houston, TX, 12 May 2011. https://www.stat.berkeley.edu/~stark/Seminars/lehmann11.pdf

107. Close enough for government [to] work, Verified Voting Foundation, Palo Alto, CA, 27 April 2011. https://www.stat.berkeley.edu/~stark/Seminars/vv-11-4-27.pdf

106. Close enough for government [to] work: Risk-limiting post-election audits, Berkeley-Stanford Joint Statistics Colloquium, Stanford University, Stanford, CA, 12 April 2011. https://www.stat.berkeley.edu/~stark/Seminars/stanford11.pdf

105. Audits: The After-Math of Elections, Verify early, verify often: creating secure, transparent and accurate elections, Election Verification Network, Chicago, IL, 25–26 March 2011. https://www.stat.berkeley.edu/~stark/Seminars/reed11.pdf

104. Simultaneous Confidence Intervals with more Power to Determine Signs, Department of Mathematics, Reed College, Portland, OR, 10 March 2011. https://www.stat.berkeley.edu/~stark/Seminars/reed11.pdf

103. Close enough for government work: Risk-Limiting Post-Election Audits, Wharton Statistics Department, University of Pennsylvania, Philadelphia, PA, 26 January 2011. https://www.stat.berkeley.edu/~stark/Seminars/penn11.pdf

102. Audits: The After-Math of Election Reform, Conference on Innovative Electoral Reforms and Strategies, Washington, DC, 10–11 December 2010. https://www.stat.berkeley.edu/~stark/Seminars/innovative10.pdf

101. Risk-Limiting Post-Election Audits: Statistics, Policy, and Politics, Department of Statistics, Rice University, Houston, TX, 1 November 2010. https://www.stat.berkeley.edu/~stark/Seminars/rice10.pdf

100. Are Declustered Earthquake Catalogs Poisson?, Department of Statistics, Pennsylvania State University, State College, PA, 14 October 2010. https://www.stat.berkeley.edu/~stark/Seminars/psu10.pdf

99. Super-simple simultaneous single-ballot risk-limiting audits, 2010 Electronic Voting Technology Workshop / Workshop on Trustworthy Elections (EVT/WOTE '10), Washington, DC, 9–10 August 2010. https://www.stat.berkeley.edu/~stark/Seminars/evtwote10.pdf

98. AB 2023 and Risk-Limiting Audits, California Association of Clerks and Election Officials Legislative Committee Meeting, 14 May 2010. https://www.stat.berkeley.edu/~stark/Seminars/caceo-legis10.pdf

97. Justice and inequalities, Department of Statistics and Operations Research, Tel Aviv University, Tel Aviv, Israel, 13 April 2010. https://www.stat.berkeley.edu/~stark/Seminars/tau10.pdf

96. Size Matters: Smaller Batches Yield More Efficient Risk-Limiting Audits, Small-Batch Audit Meeting, Washington, DC, 27–28 March 2010. https://www.stat.berkeley.edu/~stark/Seminars/smallBatch10.pdf

95. Sexy Audits and the Single Ballot, Election Verification Network (EVN) annual conference, Washington, DC, 25–27 March 2010. https://www.stat.berkeley.edu/~stark/Seminars/evn10.pdf

94. Simple, Affordable, Post-Election Audits, Institute for Mathematical Behavioral Sciences, University of California, Irvine, CA, 7 January 2010. https://www.stat.berkeley.edu/~stark/Seminars/uci10.pdf

93. Efficient Post-Election Audits of Multiple Contests: 2009 California Tests, Conference on Empirical Legal Studies, University of Southern California Gould School of Law, Los Angeles, CA, 20–21 November 2009. https://www.stat.berkeley.edu/~stark/Seminars/cels09.pdf

92. Risk-Limiting Audits, Audit Working Meeting, American Statistical Association, Arlington, VA, 23–24 October 2009. https://www.stat.berkeley.edu/~stark/Seminars/asa09.pdf

91. Invited panelist, Uncertainty Quantification and Error Analysis, Scientific Grand Challenges in National Security: the Role of Computing at the Extreme Scale, Washington, DC, 6–8 October 2009.

90. Some Ado about (mostly) Nothing: zero-dominated data, Alameda County Workshop on Avian Mortality at Altamont, Emeryville, CA, 22 September 2009. https://www.stat.berkeley.edu/~stark/Seminars/altamont09.pdf

89. Freedman's Dialogue with the Social Sciences, 2009 Joint Statistical Meetings, Washington, DC, 5 August 2009.

88. Invited panelist, David A. Freedman's Dialogue with the Social Sciences, The Society for Political Methodology 26th Annual Summer Meeting, Institution for Social and Policy Studies, Yale University, New Haven, CT, 23 July 2009.

87. Election Auditing: How Much is Enough?, The Society for Political Methodology 26th Annual Summer Meeting, Keynote lecture, Institution for Social and Policy Studies, Yale University, 23 July 2009. https://www.stat.berkeley.edu/~stark/Seminars/polMeth09.pdf

86. Risk-Limiting Post-Election Audits, Department of Statistics, University of California, Berkeley, CA, 31 March 2009. https://www.stat.berkeley.edu/~stark/Seminars/ucb09.pdf

85. Uncertainty Quantification Qualification, Lawrence Livermore National Laboratory, Livermore, CA, 26 March 2009. https://www.stat.berkeley.edu/~stark/Seminars/llnl09.pdf

84. 2008 Risk-limiting Audits in California, The Pew Charitable Trusts Audit Workshop, Salt Lake City, UT, 23–24 February 2009. https://www.stat.berkeley.edu/~stark/Seminars/pew09.pdf

83. Election Auditing and Nonparametric Confidence Bounds, Department of Mathematics, Reed College, Portland, OR, 20 November 2008. https://www.stat.berkeley.edu/~stark/Seminars/reed08.pdf

82. Risk-Limiting Post-Election Audits, Department of Statistics, Kansas State University, Manhattan, KS, 2 October 2008. https://www.stat.berkeley.edu/~stark/Seminars/ksu08.pdf

81. CAST: Canvass Audits by Sampling and Testing, 2008 American Political Science Association Annual Meeting, Panel 2008MP04292: Catch Me If You Can: Techniques to Detect Electoral Fraud, Boston, MA,

28–31 August 2008. https://www.stat.berkeley.edu/~stark/Seminars/apsa08.pdf

80. Invited panelist, Joint Statistical Meetings session, Statistical Measures Can Help Restore Confidence in U.S. Elections, Denver, CO, 3–7 August 2008.

79. Invited Panel on Post-Election Auditing: The Academic & Advocacy Perspective, California Association of Clerks and Election Officials (CACEO) 100th Anniversary Celebration Conference, Long Beach, CA, 8–11 July 2008.

78. Statistical Audits: Why and How Much?, Invited Panel on Post-Election Auditing: Practical Experience and Best Practices, California Association of Clerks and Election Officials (CACEO) 100th Anniversary Celebration Conference, Long Beach, CA, 8–11 July 2008. https://www.stat.berkeley.edu/~stark/Seminars/caceo08.pdf

77. Invited Panel on Online Learning, UC21st Century, Teaching, Learning and Technology: Past, present and future, University of California, Davis, 20–21 June 2008.

76. SticiGui—What is it?, Department of Statistics, University of California, Los Angeles, CA, 29 May 2008. https://www.stat.berkeley.edu/~stark/Seminars/ucla08.pdf

75. Election Auditing: How Much Is Enough?, Mathematical Sciences Research Institute, Annual Meeting of Academic Sponsors and Steering Committee, Berkeley, CA, 7 March 2008. https://www.stat.berkeley.edu/~stark/Seminars/msri08.pdf

74. Invited panelist, 2007 Post Election Audit Summit, Minneapolis, MN, 25–27 October 2007. https://www.stat.berkeley.edu/~stark/Seminars/peaSummit07.pdf

73. Urning Voter Confidence, Department of Mathematics, Reed College, Portland, OR, 11 October 2007. https://www.stat.berkeley.edu/~stark/Seminars/reed07.pdf

72. Frequentist Methods in Inverse Problems, Sandia CSRI Workshop on Large-Scale Inverse Problems and Quantification of Uncertainty, Santa

Fe, NM, 10–12 September 2007. https://www.stat.berkeley.edu/~stark/Seminars/sandia07.odp

71. How Statistics Helps, 9th US Congress on Computational Mechanics, San Francisco, CA, 22–26 July 2007. https://www.stat.berkeley.edu/~stark/Seminars/compMech07.odp

70. Nonparametrics: nonpareil?, Veterans Administration Hospital, Neuropsychology Brown Bag Lunch, Martinez, CA, 15 May 2007. https://www.stat.berkeley.edu/~stark/Seminars/ebire-5-15-07.pdf

69. The Null Hypothesis: Are Earthquakes Predictable?, Assessment schemes for earthquake prediction, Royal Astronomical Society/Joint Association for Geophysics Discussion Meeting 7–8 November 1996, the Geological Society, London

68. Shaking Down Earthquake Predictions, Department of Statistics, University of California, Davis, 25 May 2006 https://www.stat.berkeley.edu/~stark/Seminars/ucd-5-25-06.pdf

67. Measuring Resolution in Nonlinear and Constrained Inverse Problems, Workshop on Statistical Inverse Problems, Institute for Mathematical Stochastics, Göttingen, Germany, 23–25 March 2006. http://www.num.math.uni-goettingen.de/gk/?Workshops:Workshop_on_Statistical_Inverse_Problems

66. Resolution in Nonlinear and Constrained Inverse Problems, Workshop on Computational and Mathematical Geoscience, Colorado School of Mines, Golden CO, 15–17 June 2005.

65. Quantifying uncertainty in inverse problems, Summer school: Mathematical Geophysics and Uncertainty in Earth Models, Colorado School of Mines, Golden CO, 14–25 June 2004. https://www.stat.berkeley.edu/~stark/Seminars/mines04.pdf

64. Estimating power spectra of galaxy structure: can Statistics help?, Penetrating bars through masks of cosmic dust: the Hubble tuning fork strikes a new note, Pilanesberg National Park, South Africa, 7–12 June 2004. http:www.stat.berkeley.edu/~stark/Seminars/bars04.ppt

63. Quantifying uncertainty in inverse problems, Institute for Pure and Applied Mathematics (IPAM) Conference on Statistical Methods for Inverse Problems, IPAM, Los Angeles, CA, 5–6 November 2003. `https://www.stat.berkeley.edu/~stark/Seminars/ipam03.ppt`

62. Using what we know: inference with physical constraints, PhyStat 2003: Statistical Problems in Particle Physics, Astrophysics and Cosmology, Stanford Linear Accelerator Center, Stanford, CA, 8–10 September 2003. `https://www.stat.berkeley.edu/~stark/Seminars/phyStat03.pdf`

61. Statistical Approaches to Inverse Problems. Danish Interdisciplinary Inversion Group Seminars on Inverse Problems: Insight and Algorithms. Niels Bohr Institute, Copenhagen University, Copenhagen, Denmark, 27–29 May 2002. `https://www.stat.berkeley.edu/~stark/Seminars/bohr02.ppt`

60. Statistical Measures of Uncertainty in Inverse Problems. Institute for Mathematics and its Applications Tutorial on Inverse Problems and the Quantification of Uncertainty, Annual Program Mathematics in the Geosciences, Minneapolis, MN, 19 March 2002. `https://www.stat.berkeley.edu/~stark/Seminars/ima02.ppt`

59. Data Errors, Model Errors, and Estimation Errors, Frontiers of Geophysical Inversion Workshop, Waterways Experiment Station, U.S. Army Corps of Engineers Engineer Research and Development Center, Vicksburg, MS, 17–19 February 2002. `https://www.stat.berkeley.edu/~stark/Seminars/wes02.ppt`

58. Strategic Planning and Implementation I: The Challenge of Adapting Organizations and Creating Partnerships to Target New Markets, University Teaching as E-business?, Center for Studies in Higher Education, Berkeley, CA, 26–27 October 2001.

57. Inverse Problems and Data Errors, New Developments in Astrophysical Fluid Dynamics, Chateau de Mons, Caussens, France, 25–29 June 2001.

56. Data Reduction and Inverse Problems in Helioseismology, Workshop Statistics of inverse problems, Institut Henri Poincaré, Paris, France, 28–29 May 2001.

55. Why Statistics is worth the Stigma, Letters and Sciences Faculty Forum, University of California, Berkeley, CA, 23 April 2001. `https://www.stat.berkeley.edu/~stark/Seminars/stigma01.ppt`

54. Inverse Problems in Helioseismology, Second MaPhySto Workshop on Inverse Problems: Inverse problems from a Statistical Perspective, Aalborg, Denmark, 28–31 March 2001.

53. What are the Chances?, NATO Advanced Research Workshop: State of scientific knowledge regarding earthquake occurrence and implications for public policy, Le Dune, Piscinas — Arbus, Sardinia, Italy, 15–19 October 2000.

52. Why Unadjusted Census Results should be Used for Reapportionment and Funding within the State of California, 13th Annual Demographic Workshop, U.S. Bureau of the Census, California State Census Data Center, and the Population Research Laboratory of the University of Southern California, Los Angeles, CA, 15 May 2000.

51. Invited discussant, Workshop of the National Academy of Sciences Panel to Review the 2000 Census, Washington, D.C., 2–3 February 2000.

50. Invited discussant, Panel discussion on the role of sampling in the US Census, San Francisco Bay Area Chapter of the American Statistical Association, 20 December 1999.

49. Lecturer, Mathematical Geophysics Summer School, Stanford University, Stanford, CA, 2–20 August 1999.

48. Less Asymptotic Tomography. 9th SOHO Workshop: Helioseismic Diagnostics of Solar Convection and Activity, Stanford University, Stanford, CA, 12–15 July 1999.

47. Invited panelist, Reinventing Undergraduate Education: Technology Enhanced Learning in the Sciences, Math, and Engineering, University of California, Berkeley, CA, 23 April 1999.

46. Error in Numerical Models Fitted to Data. DSRC/DARPA Study on Numerical Simulation of Physical Systems: The State of the Art, and Opportunities for Further Advances, Kick-Off Meeting, Arlington, VA,

19–20 January 1999. https://www.stat.berkeley.edu/~stark/Seminars/dsrc99.htm

45. Sampling to Adjust the U.S. Census. Miller Institute for Basic Research in Science, University of California, Berkeley, CA, 12 January 1999. https://www.stat.berkeley.edu/~stark/Seminars/mibrs99.htm

44. A Statistician's Perspective on Census Adjustment, Berkeley Breakfast Club, Berkeley, CA, 5 December 1998. https://www.stat.berkeley.edu/~stark/Seminars/bbc98.htm

43. SticiGui: Melts in your Browser, not in your Brain, Joint Berkeley-Stanford Statistics Colloquium, Department of Statistics, Stanford University, Stanford, CA, 27 October 1998. https://www.stat.berkeley.edu/~stark/Seminars/bsc98.htm

42. SticiGui: Statistics Tools for Internet and Classroom Instruction with a Graphical User Interface, 1998 Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, Orlando, FL, 12 August 1998.

41. Presidential Panel on Statistics in Public Policy, 1998 Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, Orlando, FL, 10 August 1998.

40. Misfit Measures and Statistical Inconsistency in Linear Inverse Problems. AMS/IMS/SIAM Joint Summer Research Conferences in the Mathematical Sciences, Mathematical Methods in Inverse Problems for Partial Differential Equations, Mt. Holyoke, MA, 4–9 July 1998. https://www.stat.berkeley.edu/~stark/Seminars/ams-ims-siam-98.pdf

39. Uncertainties for functions from incomplete, erroneous data. NSF/DOE Workshop on Uncertainty in Modeling, National Science Foundation, Arlington, VA, 11–12 June 1998. https://www.stat.berkeley.edu/~stark/Seminars/nsf-doe-98.htm

38. Sampling to adjust the 1990 Census for Undercount. U.S. House of Representatives Subcommittee on the Census, May 1998. https://www.stat.berkeley.edu/~stark/Census/house-5-5-98-pbs.pdf

37. Sounding the Sun: Helioseismology. 1998 American Association for the Advancement of Science (AAAS) Annual Meeting and Science Innovation Exposition, Philadelphia, PA., February 1998. `https://www.stat.berkeley.edu/~stark/Seminars/Aaas/helio.htm`

36. Data Sampling Rate Reduction for the OERSTED geomagnetic Satellite, Department of Geological Sciences, Stanford University, Stanford, CA, 28 July 1997. `https://www.stat.berkeley.edu/~stark/Preprints/Oersted/writeup.htm`

35. Does God play dice with the Earth, and if so, are they loaded? Fourth SIAM Conference on Mathematical and Computational Methods in the Geosciences, Albuquerque, NM, 16 June 1997. `https://www.stat.berkeley.edu/~stark/Seminars/doesgod.htm`

34. Solving Problems for a Large Statistics Lecture Course using a Website UC Berkeley Academic Senate Workshop on Classroom Technology, Berkeley, CA, 11 April 1997. `https://www.stat.berkeley.edu/~stark/Seminars/itpTalk.htm`

33. Deficiencies of the simple theories, Local Helioseismology Workshop, University of Cambridge, Cambridge, England, 1997.

32. CMB's, Royal Astronomical Society Ordinary Meeting, London, England, 1996.

31. The Null Hypothesis, Royal Astronomical Society and Joint Associations for Geophysics discussion meeting on Assessment of Schemes for Earthquake Prediction, London, England, 1996.

30. On the consistency of multiple inference in inverse problems using l_p confidence sets, International Conference on Multiple Comparisons, Tel Aviv, Israel, 1996.

29. Confidence Intervals in Inverse Problems, Conference in Honor of George Backus, Institute for Geophysics and Planetary Physics, La Jolla, CA, 1995.

28. The Need for Wave-Equation Travel-Time Tomography, Institute for Mathematics and Its Applications, Conference on Tomography, Minneapolis, MN, 1995.

27. Inference, Prior Information, and Misfit Measures, Interdisciplinary Inversion Conference on Methodology, Computation and Integrated Applications, University of Aarhus, Aarhus, Denmark, 1995.

26. Optimization and Inference in Travel-Time Seismology, National Research Council Board on Mathematical Sciences Symposium on Mathematical Sciences in Seismology, Washington, DC, 1995.

25. Prior Information and Confidence Intervals in Inverse Problems, International Union of Geodesy and Geophysics Meeting, Boulder, CO, 1995.

24. Something AGAINST Nothing: A Confidence Game, Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, Orlando, FL, 1995.

23. Uncertainties in Travel-Time Seismology, SIAM/GAMM Symposium on Inverse Problems: Geophysical Applications, Fish Camp, CA, 1995.

22. Toward Tubular Tomography, 27th General Assembly of the Int. Assoc. of Seismology and Phys. of the Earth's Inter. (IASPEI), Wellington, New Zealand, 1994.

21. Alternative Data Analysis Techniques, Global Oscillation Network Group annual meeting, Los Angeles, CA, (presented by C. Genovese due to illness), 1994.

20. Mathematical Aspects of Integral Equation Inversion, Global Oscillation Network Group workshop, Sydney, Australia, 1994.

19. Conservative Finite-Sample Confidence Envelopes for Monotone and Unimodal Densities, Mathematisches Forschungsinstitut Oberwolfach meeting on Curves, Images and Massive Computation, Oberwolfach, Germany, 1993.

18. Invited discussant, Joint IMS/ASA/ENAR Meeting, Philadelphia, PA, 1993.

17. Uncertainty of the Quadrupole Component of the Cosmic Microwave Background, Israel Statistical Association Annual Meeting, Tel Aviv, 1993.

16. Brute-Force Minimax Estimation in Geochemistry, Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, San Francisco, CA, 1993.

15. Conservative Numerical Uncertainty Estimates in Inverse Problems, SIAM 40th Anniversary Meeting, Los Angeles, CA, 1992.

14. Minimax Estimation in Geomagnetism, European Geophysical Society Annual Meeting, Wiesbaden, Germany, 1991.

13. Minimax Estimation in Geophysical Inverse Problems: Applications to Seismic Tomography and Geomagnetism, Schmitt Institute for Physics of the Earth, Academy of Sciences of the USSR, Moscow, 1991.

12. Imagining Earth's Interior: Controversies in Seismology and Geomagnetism, Mathematical Sciences Research Institute Workshop on Statistical Methods in Imaging, Berkeley, CA, 1991.

11. Discretization and its Discontents: New Methods in Inverse Theory, Institute for Theoretical Physics program Helioseismology—Probing the Interior of a Star, National Science Foundation Institute for Theoretical Physics, University of California, Santa Barbara, 1990.

10. Inference in Infinite-Dimensional Inverse Problems, Schmitt Institute for Physics of the Earth, Academy of Sciences of the USSR, Moscow, 1990.

9. Inference in Infinite-Dimensions: Discretization and Duality, Israel Statistical Association Annual Meeting, Jerusalem, 1990.

8. Superresolution: What, When and How?, Institute for Theoretical Physics program Helioseismology—Probing the Interior of a Star, National Science Foundation Institute for Theoretical Physics, University of California, Santa Barbara, 1990.

7. Sparsity-Constrained Deconvolution, International Union of Radio Science Meeting, Boulder, CO, 1989.

6. Invited discussant, Statistics, Earth and Space Sciences Meeting of the Bernoulli Society, Leuven, Belgium, 1989.

5. Rigorous Computer Solutions to Infinite-Dimensional Inverse Problems, rcp 264 problemes inverses, Montpellier, France, 1989.

4. Duality and Discretization Error, Conference on Mathematical Geophysics, Blanes, Spain, 1988.

3. Spectral extrapolation with positivity, International Union of Radio Science Meeting, Boulder, CO, 1987.

2. Travel-Time Constraints on Core Structure, Special Session on Geophysics of the Core and Core-Mantle Boundary, American Geophysical Union Spring Meeting, Baltimore, MD, 1986.

1. Smooth Models from tau(p) and X(p) Data, Scripps Industrial Associates Short Course on Inverse Theory, Scripps Institution of Oceanography, La Jolla, CA, 1986.

Other Invited Seminars

California State University, Chico (Mathematics 1993)

Colorado School of Mines (Mathematical and Computer Sciences 1997)

Copenhagen University (Niels Bohr Institute for Astronomy, Physics, and Geophysics 1996)

Hebrew University of Jerusalem (Statistics 1993)

IT University of Copenhagen (2013, 2014, 2016)

Kansas State University (Statistics 2008)

Pennsylvania State University (Statistics 2010)

National Solar Observatory (1997)

Naval Postgraduate School (Operations Research, 2001)

Reed College (Mathematics, 2007, 2008, 2011)

Rice University (Statistics, 2010)

Schlumberger-Doll Research (1988, 1990, 1991, 1992)

Southern Methodist University (Statistical Sciences, 1998)

Stanford University (Center for Space Physics and Astrophysics 1992; Mathematics 1997; Geology and Geophysics 1993, 1997; Statistics 1988, 1993, 1995, 2011, 2018; Computer Science 2019)

The Technion (Statistics 1987)

Tel Aviv University (Geology and Geophysics 1988, 1991; Statistics 1991, 2010)

University of Bologna (Physics and Astronomy, 2013)

University of British Columbia (Geophysics and Astronomy 1996)

University of California, Berkeley (Astronomy 1996; Center for Pure and Applied Mathematics 1988; Geology and Geophysics 1988; Materials Science and Mineral Engineering 1988; Physics, 2001; Seismographic Stations, 1991, 1992, 1996; Statistics 1987, 1988(2),1989(2), 1990, 1991, 1992, 1994, 1996(2), 1997, 2006, 2009, 2011)

University of California, Davis (Statistics 1995, 2006; Mathematics 2000)

University of California, Los Angeles (Mathematics 1992; Statistics 2000, 2008, 2013)

University of California, Riverside (Earth Sciences 1996; Statistics 1996)

University of California, San Diego (Institute for Geophysics and Planetary Physics 1985, 1986, 1987, 1988(2), 1990, 1998, 2005; Mathematics 1994)

University of Cambridge (Institute for Astronomy 1992, 1997)

University of Chicago (Statistics 1990)

University of Edinburgh (Earth Sciences, 1998)

University of Luxembourg (Interdisciplinary Centre for Security, Reliability and Trust 2012)

University of Paris, Institute de Physique du Globe de Paris (2011)

University of Pennsylvania (Wharton Statistics Department, 2011, 2016)

University of Texas at Austin (Geological Sciences 1988; Mathematics 1990, 1991; Institute for Geophysics 1990)

Veterans Affairs Northern California Health Care System, Martinez, CA (East Bay Institute for Research and Education, 2007)

Yale University (Geology and Geophysics 1988; Statistics 1988)

Press and Media Appearances

315. Background Briefing with Ian Masters, *KPFA* Public Radio, 24 September 2024. `https://kpfa.org/episode/background-briefing-5am-september-25-2024/` Audio: `https://soundcloud.com/user-830442635`

314. Elections expert says analysis endorsed by Minnehaha County auditor 'doesn't make sense', *Argus Leader*, 19 June 2024. `https://www.google.com/url?rct=j&sa=t&url=https://www.argusleader.com/story/news/city/2024/06/18/elections-expert-describes-issues-with-minnehaha-county-auditor-claims-absentee-ballots/74131770007/`

313. Johnson County primary voting machines were accurate, audit says, Elissa Maudlin, *Daily Journal*, 3 June 2024. `https://dailyjournal.net/2024/06/03/johnson-county-primary-voting-machines-were-accurate-audit-says/`

312. District 16 recount reveals that one county was plagued with thumb flubs and other voting errors—and it's not the first time, Grace Hase and Harriet Blair Rowan, *The Mercury News*, 6 May 2024. `https://www.mercurynews.com/2024/05/06/why-did-santa-clara-county-see-46-vote-changes-in-the-congressional-district-16-recount-while-san-mateo-county-saw-virtually-none/`

311. Terremoti, il modello italiano MPS19.S e il problema della stima affidabile della pericolosità sismica (Earthquakes, the Italian model MPS19.S and the problem of reliable estimation of seismic hazard), Beatrice Raso, *Meteoweb*, 17 November 2023. https://www.meteoweb.eu/2023/11/terremoti-modello-italiano-mps19-s-problema-stima-affidabile-pericolosita-sismica/1001327511/

310. Interview with "Colonel of Truth" Conrad Reynolds on secure voting, 3 August 2023. Part 1 https://www.youtube.com/watch?v=dfY-vfWmd2E, Part 2 https://www.youtube.com/watch?v=fe81KAkl66A.

309. Georgia election security showdown over Dominion arrives ahead of 2024, Mark Niesse, *The Atlanta Journal-Constitution*, 26 July 2023. https://www.ajc.com/politics/georgia-election-security-showdown-over-dominion-arrives-ahead-of-2024/RP5ZVDVYMZGRVGNOXMH4OJS77I/

308. Forager, runner, election auditor: This expert seeks answers on the trail. Jason Pohl, *Berkeley News*, 5 July 2023. https://news.berkeley.edu/2023/07/05/forager-runner-election-auditor-this-expert-seeks-answers-on-the-trail/

307. *The Brad Blog*, 28 June 2023. https://bradblog.com/?cat=675 Audio: https://bradblog.com/audio/BradCast_BradFriedman-LuttigISLRuling-AlitoOilGas_PhilipStark-RaffenspergerDominionPushBack_062823.mp3

306. Brad Raffensperger's refusal to fix voting machine bugs sets up 2024 election fight, John Sakellariadis, *Politico*, 22 June 2023. https://www.politico.com/news/2023/06/23/brad-raffensperger-georgia-dominion-voting-00103298

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2. KQED-FM Forum program on the 2000 Census, San Francisco, CA, 17 July 1998. (live appearance re census) http://www.kqed.org/radio/programs/forum/

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Teaching and Advising

Courses

BerkeleyX 2.1x* `https://www.edx.org/course/uc-berkeleyx/uc-berkeleyx-stat2-1x-introduction-594`, an Introductory Statistics MOOC (52,661 students enrolled in first offering; 15.5% completion rate. As of 21 October 2015, this was one of the 50 most popular MOOCs of all time)

BerkeleyX 2.2x* `https://www.edx.org/course/uc-berkeleyx/uc-berkeleyx-stat2-2x-introduction-685`, an Introductory Statistics MOOC (20,871 students enrolled in first offering; 17% completion rate)

BerkeleyX 2.3x* `https://www.edx.org/course/uc-berkeleyx/uc-berkeleyx-stat2-3x-introduction-825`, an Introductory Statistics MOOC (22,443 students enrolled in first offering; 12% completion rate)

Introduction to Statistics (Statistics 2)

Introduction to Probability and Statistics (Statistics 20)

Introductory Probability and Statistics for Business (Statistics 21, N21*, W21*)

Introduction to Probability and Statistics for Scientists and Engineers (Statistics 25)

Societal Risks and the Law* (Statistics C79)

Freshman Seminar on Statistics (Statistics 39)

Statistical Inferences for Social and Life Scientists (Statistics 131A)

Concepts of Probability (Statistics 134)

Concepts of Statistics (Statistics 135)

Linear Modeling: Theory and Applications (Statistics 151A)

Nonparametric Inference and Sensitivity Auditing with Applications to Social Good* (Statistics 157)

Reproducible and Collaborative Statistical Data Science* (Statistics 157, now 159/259). Video review: `http://youtu.be/Bq71Pqdukeo`

Probability and Statistics for Physical Science and Engineering PhD Students*

Statistics for Engineering PhD students*

Introduction to Probability and Statistics at an Advanced Level (Statistics 200A)

Theoretical Statistics (Statistics 210B)

Statistical Models: Theory and Applications (Statistics 215A, Statistics 215B)

Not enough Statistics for Journalists* (Journalism 219)

Statistics Masters Program Capstone* (Statistics 222)

Nonparametric and Robust Methods (Statistics 240)

Topics in Probability and Statistics (Statistics 260)

Statistical Consulting (Statistics 272)

* Course I created or co-created.

Former Graduate Students and Postdocs

Imola K. Fodor, Roche

Johann Gagnon-Bartsch, University of Michigan

Christopher R. Genovese, Carnegie Mellon University

Amanda Glazer, University of Texas at Austin

Niklaus W. Hengartner, Los Alamos National Laboratory

Janne Huttunen, University of Auckland and University of Kuopio

Bradley Luen, Indiana University

Tian Luo, U.S. Bureau of Labor Statistics

Dmitry I. Nikolayev, Schmidt Institute for Physics of the Earth

Kellie Ottoboni, Fable

R. Jay Pulliam, University of Texas at Austin

Karthik Ram, University of California, Berkeley

Jeffery Regier, University of Michigan

Chad M. Schafer, Carnegie Mellon University

Daniel Turek, University of California, Berkeley

Vincent S. Yates, Yammer

Graduate Committees

1. Alameida, Jose, Mathematics. Ph.D. qualifying examination, 2008
2. Asemoto, Alexander, Statistics. Ph.D. qualifying examination, 2023
3. Atz, Milos, Nuclear Engineering. Ph.D. qualifying examination, 2018
4. Bach, Andre, Physics. Ph.D. qualifying examination, 2011
5. Bar-Yossef, Ziv, Computer Science. Ph.D. qualifying examination, 2001; dissertation committee, "The Complexity of Massive Data Set Computations," 2002
6. Bein, Ed, Biostatistics. MA examination, 2002
7. Berny, Axel Dominique, EECS. Ph.D. qualifying examination, 2004; dissertation committee, "Analysis and Design of Wideband LC VCOs," 2006
8. Bertelli, E., IEOR. Ph.D. qualifying examination, 2018
9. Bloniarz, Adam, Statistics. Ph.D. qualifying examination, 2014

10. Bodik, Peter, Computer Science. Ph.D. qualifying examination, 2007; dissertation committee, "Automating Datacenter Operations Using Machine Learning," 2010

11. Bowman, John Penfield, IEOR. Ph.D. qualifying examination, 2003

12. Bunn, Emory Freeman, Physics. Ph.D. qualifying examination, 1994; dissertation committee, "Statistical Analysis of Cosmic Microwave Background Anisotropy," 1995

13. Burleigh, Kaylan, Astronomy. Ph.D. qualifying examination, 2016, 2017; dissertation committee, "A Monte Carlo Method for Identifying Imaging Systematics in Galaxy Surveys," 2018

14. Burstein, Richard David II, Mathematics. Ph.D. qualifying examination, 2004; dissertation committee, "Hadamard Subfactors of Bisch-Haagerup Type," 2008

15. Buttrey, Samuel Edward, Statistics. Ph.D. qualifying examination, 1994; dissertation committee, "Nearest-Neighbor Classification with Categorical Variables," 1996

16. Calef, Brandoch Hugh, Applied Mathematics. Ph.D. qualifying examination, 1997; dissertation committee, "Optimal Sampling of the Discrete Fourier Transform," 2002

17. Charman, Andrew Emile, Physics. Ph.D. qualifying examination, 2003; dissertation committee, "Random Aspects of Beam Physics and Laser-Plasma Interactions," 2006

18. Chen, Raymond Lei, EECS. Ph.D. qualifying examination, 1993; dissertation committee, "A Qualitative Modeling Framework of Semiconductor Manufacturing Processes: Self-Learning Fuzzy Inference System and the Statistical Analysis of Categorical Data," 1994

19. Chien, George, EECS. Ph.D. qualifying examination, 1998

20. Davis, William, Earth and Planetary Sciences. Ph.D. qualifying examination, 2019; dissertation committee, "Stochastic Models of Geodynamo Simulations," 2022

21. Fernandez, Arturo, Statistics. Ph.D. qualifying examination, 2017

22. Feldman, Arnold R., EECS. Ph.D. qualifying examination, 1995; dissertation committee, "High-Speed, Low-Power Sigma-Delta Modulators for RF Baseband Channel Applications," 1997

23. Fodor, Imola K., Statistics. Ph.D. qualifying examination, 1997; chair, dissertation committee, "Spectrum Estimation in Helioseismology," 1999

24. Fong, Keng Leong, EECS. Ph.D. qualifying examination, 1996; dissertation committee, "Design and Optimization Techniques for Monolithic RF Downconversion Mixers," 1997

25. Gagnon-Bartsch, Johann, Statistics. Ph.D. qualifying examination, 2009; co-chair, dissertation committee "Removing Unwanted Variation from Microarray Data with Negative Controls," 2012

26. Gawiser, Eric Joseph, Physics. Ph.D. qualifying examination, 1998

27. Genovese, Christopher Ralph, Statistics. Ph.D. qualifying examination, 1992; chair, dissertation committee, "Statistical Problems in Helioseismology," 1994

28. Glazer, Amanda, Statistics. Ph.D. qualifying examination, 2021; chair, dissertation committee, "From Bikers to Batters: Steering Statistics Through Real-World Problems," 2024.

29. Goldman, Megan, Biostatistics. Chair, Ph.D. qualifying examination, 2009

30. Gung, Yuan-Cheng, Geophysics. Dissertation committee, "Q Tomography of the Earth Mantle," 2003

31. Hansen, Bendek, Statistics. Chair, MA thesis committee, "Minimax Expected Length Confidence Intervals," 2000

32. Hansen, Mark Henry, Statistics. Chair, Ph.D. qualifying examination, 1992

33. Hengartner, Niklaus Walther, Statistics. Co-chair, dissertation committee, "Topics in Density Estimation," 1993

34. Higgins, Mike, Statistics. Ph.D. qualifying examination, 2009, 2010

35. Huang, Hsiang-Ping, Mathematics. Ph.D. qualifying examination, 1996

36. Huang, Jianhua, Statistics. Ph.D. qualifying examination, 1994; dissertation committee, "Topics in Extended Linear Modeling," 1997

37. Huang, Yuanlin, Civil Engineering. Ph.D. qualifying examination, 1993, 1994

38. Jiang, Xuesong, EECS. Ph.D. qualifying examination, 2001

39. Jones, David Morgan, Mathematics. Ph.D. qualifying examination, 1994; dissertation committee, "On Modular Galois Representations in Characteristic 3," 1998

40. Katsis, Dimitrios, EECS. Ph.D. qualifying examination, 2005

41. Kiesling, Max Karl, Civil Engineering. Ph.D. qualifying examination, 1994

42. Kuusela, Mikael Johan, Statistics, École Polytechnique Fédérale de Lausanne, dissertation committee, "Uncertainty quantification in unfolding elementary particle spectra at the Large Hadron Collider," 2016

43. Lara, Jose Daniel, Energy and Resources Group. Ph.D. qualifying examination, 2018; dissertation committee, "Modeling and Simulation of Electric Power Systems with Large Shares of Renewable Energy," 2022

44. Li, Bo, Statistics. Ph.D. qualifying examination, 2004

45. Li, Wenyu, Mechanical Engineering. Ph.D. qualifying examination, 2017

46. Lim, Shiyin, Mechanical Engineering. Ph.D. qualifying examination, 2022; dissertation committee, "Mechanics of the Intervertebral Disc: Considerations for Experimental Design," 2023

47. Loscutoff, Peter, Physics. Ph.D. qualifying examination, 2011; dissertation committee, "Search for resonant $WZ \to \ell\nu\ell\ell$ production using $13fb^{?1}$ in $\sqrt{s} = 8TeV$ pp collisions with the ATLAS detector," 2013

48. Luen, Bradley, Statistics. Ph.D. qualifying examination, 2006; Chair, dissertation committee, "Earthquake Prediction: Simple Methods for Complex Phenomena," 2010

49. Luo, Tian, Statistics. MA thesis chair, "Nonparametric estimation of business survival with an application to restaurant startups," 2014

50. Madar, Vered, Statistics and Operations Research, Tel Aviv University. MA thesis committee, "Non-equivariant confidence intervals," 2002; Ph.D. committee, "Simultaneous Confidence Intervals for Multiple Parameters with More Power to Determine the Sign," 2007

51. Maurer, Tessa, Civil and Environmental Engineering. Ph.D. qualifying examination, 2018

52. Megnin, Charles Henri, Geophysics. Ph.D. qualifying examination, 1996; dissertation committee, "The Shear Velocity Structure of the Mantle from the Inversion of Time-Domain Waveform Data," 1999

53. Mieler, Michael William, Civil Engineering. Ph.D. qualifying examination, 2011

54. Millman, Kenneth Jarrod, Biostatistics. MA thesis committee, "permute—a Python package for permutation tests and confidence sets," 2015

55. Miratrix, Luke W., Statistics. Chair, Ph.D. qualifying examination, 2010

56. Mohanty, Sudatta, Civil Engineering. Ph.D. qualifying examination, 2017

57. Murmann, Boris, EECS. Ph.D. qualifying examination, 2002; dissertation committee, "Digital Calibration for Low-Power High-Performance A/D Conversion," 2003

58. Oreluk, James, Mechanical Engineering. Ph.D. qualifying examination, 2017; dissertation committee, "Role of Experimental Data in Validating and Quantifying Uncertainties in Complex Physical Systems," 2019

59. Ottoboni, Kellie, Statistics. Ph.D. qualifying examination, 2017; chair, dissertation committee, "Classical Nonparametric Hypothesis Tests with Applications in Social Good," 2019

60. Ou, Jeffrey Jiajiunn, EECS. Ph.D. qualifying examination, 1995

61. Petkov, Vladimir Plamenov, EECS. Ph.D. qualifying examination, 2003

62. Poobuapheun, Nuntachai, EECS. Ph.D. qualifying examination, 2005; dissertation committee, "LNA and Mixer Designs for Multi-Band Receiver Front-Ends," 2009

63. Puente, Suzette, Statistics. M.A. committee, 2013

64. Pulliam, R. Jay, Geophysics. Ph.D. dissertation committee, "Imaging Earth's Interior: Tomographic Inversion of Mantle P-Wave Velocity Structure," 1991

65. Qian, Kun, EECS. Ph.D. qualifying examination, 2009; dissertation committee, "Variability Modeling and Statistical Parameter Extraction for CMOS Devices," 2015

66. Regier, Jeffery, Statistics. Chair, M.A. committee, 2013; dissertation committee, "Topics in large-scale statistical inference," 2016

67. Rein, Steven Richard, Statistics. Chair, Ph.D. qualifying examination, 1990

68. Rossi, Jim, Journalism. M.A. thesis committee, "Reverse-engineering the Echo Chamber," 2017

69. Schafer, Chad Michael, Statistics. Ph.D. qualifying examination, 2001; chair, dissertation committee, "Constructing Confidence Regions of Optimal Expected Size: Theory and Application to Cosmic Microwave Inference," 2004

70. Son, Sang Won, EECS. Ph.D. qualifying examination, 2000; dissertation committee, "High Dynamic Range CMOS Mixer Design," 2002

71. Spertus, Jacob, Statistics. Ph.D. qualifying examination, 2021; chair, dissertation committee, "Stratified sequential nonparametrics: inferential validity by design, any way you slice it," 2024.

72. Stern, Aaron James, Computational Biology. Ph.D. qualifying examination, 2017.

73. Su, Heng-Yi, Earth and Planetary Science. Ph.D. qualifying examination, 2021.

74. Suzuki, Toru, Demography. Ph.D. qualifying examination, 1995; dissertation committee, "Projection of Households in Japan with a Dynamic Macro-Simulation Model," 1999

75. Tee, Luns, EECS. Ph.D. qualifying examination, 2001

76. Tenorio, Luis-Francisco, Mathematics. Ph.D. dissertation committee, "Asymptotic Dynamics of Locally Oblique Solitary Wave Solutions of the KP Equation," 1992

77. Thompson, Neil, Statistics. M.A. committee, 2012

78. To, Albert Chi Fu, Statistics. M.A. committee, 2005

79. Wagner, Tim Allen, CS. Ph.D. qualifying examination, 1995; dissertation committee, "Practical Algorithms for Incremental Software Development Environments," 1997

80. Waudby-Smith, Ian, Statistics, Carnegie Mellon University. Ph.D. qualifying examination, 2021.

81. Wang, Jason, Astronomy. Ph.D. qualifying examination, 2017; dissertation committee, "Footage of Other Worlds: Unveiling the Dynamical Architecture of Young Exoplanetary Systems," 2018

82. Wicks, Charles Wesley Jr., Geophysics. Ph.D. qualifying examination, 1990; dissertation committee, "An Investigation of Mantle Discontinuities Beneath the Southwest Pacific," 1994

83. Wilhelm, Matthieu, Université de Neuchâtel, Statistics. Ph.D. dissertation committee, "Random sampling with repulsion," 2017

84. Yao, Shijing, EECS. Ph.D. qualifying examination, 2015
85. Yates, Vincent, Statistics. Chair, M.A. committee, 2012
86. Ying, Jun, Naval Architecture. D. Eng. qualifying examination, 1995; dissertation committee, "Development and Verification of Computer Simulation Models for Evaluation of Siting Strategies and Evacuation Procedures for Mobile Drilling Units in Hurricanes," 1996
87. Zhang, Xiaoyan, Statistics. Ph.D. qualifying examination, 1997
88. Zagheni, Emilio, Demography. Ph.D. qualifying examination, 2008
89. Zamora, Joel Barajas, UC Santa Cruz, EE. Ph.D. dissertation defense, 2015; dissertation committee, "Online Display Advertising Causal Attribution and Evaluation," 2015

First-year PhD advising

2014–15 Thanh-Nhan (Andrew) Do

2014–15 Kellie Ottoboni

2016–17 Jake Soloff

2020-21 Emily Flanagan

2022-23 Tianyu Guo

Current PhD advisees

2023– Alexander Asemota

2018– Amanda Glazer

2018– Jacob Spertus

Undergraduate Research and Honors Thesis Advisees

2024 Jiaxun Li, Yu Zhu

2023 Jiaxun Li, Yu Zhu

2020 Sophie Chan (CalTech), Ran (Doris) Hsieh, Emily Hsiao, James Li, Hubert Luo, Teng Ma, William Ma, Francie McQuarrie, Jiazhong (Frank) Mei, Adalie Palma, Avi Sen, Stella Wan, Catherine Wang, Zihui Wang, Gracie Yao, Steven Ye, Wentao Zhan

2019 Shivin Devgon, Emily Hsiao, James Li, Hubert Luo, Teng Ma, William Ma, Francie McQuarrie, Jiazhong (Frank) Mei, Adalie Palma, Avi Sen, Stella Wan, Catherine Wang, Zihui Wang, Gracie Yao, Steven Ye, Wentao Zhan

2018 Omar Buenrostro, Alan Chuang, Christopher Fan, Jin Kweon, James Li, Hubert Luo, William Ma, Jiazhong (Frank) Mei, Arun Ramamurthy, Avi Sen, Neil Sharma, Karen Tu, Yimeng Wang, Zihui (Lucy) Wang, Steven Ye, Saam Zahedian, Wentao Zhan

2015 Fang Cai, Catherine Darin (U. Pennsylvania)

2014 Hriday Kemburu, He Ma, Rachel Redberg

2010–2011 Katherine McLaughlin

2010 Aaron Taylor, Hua Yang

2009 Joshua M. Levin

2008 Jonathan Ong

2007 Gerold Ng

2003–2004 Feng Tang

1993–1996 Dendy Harjanto

1988–1993 10 others

Service

Professional Societies, Government Agencies, Journals

2024
- Board of Advisors, U.S. Election Assistance Commission; member, Voluntary Voting Systems Guidelines Committee
- Program committee, 2024 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'23, held in conjunction with the 2024 Conference on Financial Cryptography and Data Security, FC'24)
- Selection committee, 2025 Bernoulli Society New Researcher Award
- Co-organizer, 2025 Dagstuhl Seminar 25411, *Trustworthy Evidence-Based Elections* `https://www.dagstuhl.de/25411`
- Consultant, U.S. Department of Justice
- Program committee, E-Vote-ID Conference 2024, Ninth International Joint Conference on Electronic Voting
- Referee, *Nature Communications*
- Editorial Board, *ScienceOpen*

2023
- Board of Advisors, U.S. Election Assistance Commission; member, Bylaws Committee (2022–2023); member, Voluntary Voting Systems Guidelines Committee (2023–2024)
- Program committee, 2023 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'23, held in conjunction with the 2023 Conference on Financial Cryptography and Data Security, FC'23)
- Program committee, 2024 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'23, held in conjunction with the 2024 Conference on Financial Cryptography and Data Security, FC'24)
- Program committee, E-Vote-ID Conference 2023, Eighth International Joint Conference on Electronic Voting
- Co-organizer, 2025 Dagstuhl Seminar 25411, *Trustworthy Evidence-Based Elections* `https://www.dagstuhl.de/25411`

- Governance Committee, Association of Foragers
- Editorial Board, *ScienceOpen*
- Fact checks, *Thompson Reuters*
- Referee, *Sankya A*

2022
- Board of Advisors, U.S. Election Assistance Commission; member, Bylaws Committee; member, Special Committee on VVSG Lifecycle
- Program committee, Seventh International Joint Conference on Electronic Voting (E-Vote-ID 2022)
- Program committee, 1st International Workshop on Election Infrastructure Security (EIS 2022), held in conjunction with the 27th European Symposium on Research in Computer Security (ESORICS 2022)
- Program committee, 2022 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'22, held in conjunction with the 2022 Conference on Financial Cryptography and Data Security, FC'22)
- Program committee, 2023 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'23, held in conjunction with the 2023 Conference on Financial Cryptography and Data Security, FC'23)
- Governance Committee, Association of Foragers
- Editorial Board, *ScienceOpen*
- Referee, *Conservation Biology*
- Fact checks, *Associated Press*
- Fact checks, *Lead Stories*
- Fact checks, *USA Today*

2021
- Auditor, State of New Hampshire SB43 Forensic Election Audit `https://www.doj.nh.gov/sb43/index.htm`
- Board of Advisors, U.S. Election Assistance Commission; member, Special Committee on VVSG Lifecycle.

- Risk-Limiting Audit Regulations Working Group, California Secretary of State
- Program committee, 2022 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'22, held in conjunction with the 2022 Conference on Financial Cryptography and Data Security, FC'22)
- Governance Committee, Association of Foragers
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)

2020
- Board of Advisors, U.S. Election Assistance Commission; member, Cybersecurity Subcommittee
- Risk-Limiting Audit Regulations Working Group, California Secretary of State
- Governance Committee, Association of Foragers
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Program committee, 2021 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'21, held in conjunction with the 2021 Conference on Financial Cryptography and Data Security, FC'21)
- Program committee, 2020 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'20, held in conjunction with the 2020 Conference on Financial Cryptography and Data Security, FC'20)
- Program committee, Fifth International Joint Conference on Electronic Voting (E-Vote-ID 2020)
- Referee, *Journal of the Academy of Business Education*
- Consultant, U.S. Department of Justice, Civil Division

2019
- Board of Advisors, U.S. Election Assistance Commission
- Risk-Limiting Audit Regulations Working Group, California Secretary of State
- Editorial Board, *ScienceOpen*
- Article editor, *Proceedings of the National Academy of Sciences*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Program committee, 2019 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'19, held in conjunction with the 2019 Conference on Financial Cryptography and Data Security, FC'19)
- Program committee, Fourth International Joint Conference on Electronic Voting (E-Vote-ID 2019)
- Referee, *Harvard Data Science Review*
- Referee, *PeerJ*
- Reviewer, Peder Sather Institute
- Reviewer, Helmholtz Association of German Research Centres

2018
- Board of Advisors, U.S. Election Assistance Commission
- Consultant, Colorado Secretary of State
- Reviewer, National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs Division
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Organizing Committee, Election Audit Summit, Caltech/MIT Voting Technology Project, December 2018. `https://electionlab.mit.edu/election-audit-summit`
- Program committee, 2018 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'18, held in conjunction with the 2018 Conference on Financial Cryptography and Data Security, FC'18)

- Program committee, 2019 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'19, held in conjunction with the 2019 Conference on Financial Cryptography and Data Security, FC'19)
- Program committee, Fourth International Joint Conference on Electronic Voting (E-Vote-ID 2019)
- Referee, *Geophysical Research Letters*
- Referee, *Proceedings of the National Academy of Sciences*
- Referee, *PeerJ*

2017
- Board of Advisors, U.S. Election Assistance Commission
- Consultant, Colorado Secretary of State
- Founding Steering Committee and Editorial Board, USENIX Journal of Voting Technology
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Program committee, 2018 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'18, held in conjunction with the 2018 Conference on Financial Cryptography and Data Security, FC'18)
- Program committee, 2017 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'17, held in conjunction with the 2017 Conference on Financial Cryptography and Data Security, FC'17)
- Chair, Mini-symposium on Open Data and Reproducibility, *2017 International Scientific Computing with Python (SciPy) Conference*, Austin, TX.
- Referee, *Proceedings of the National Academy of Sciences*

2016
- Board of Advisors, U.S. Election Assistance Commission
- Consultant, Colorado Secretary of State

- Travis County Texas Elections Division STAR-Vote System Brain Trust
- Founding Steering Committee and Editorial Board, USENIX Journal of Voting Technology
- Associate editor, SIAM/ASA Journal of Uncertainty Quantification
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Program committee, 2016 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'16, held in conjunction with the 2016 Conference on Financial Cryptography and Data Security, FC'16)
- Program committee, 2017 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'17, held in conjunction with the 2017 Conference on Financial Cryptography and Data Security, FC'17)
- Program committee, 12th International Joint Conference on Electronic Voting (E-Vote-ID 2016), Bregenz, Austria
- Session co-organizer, "Productive Ecologies in the Anthropocene: Foraging Systems," Sixth International Conference on Food Studies, Berkeley, CA

2015
- Consultant, Colorado Secretary of State
- Travis County Texas Elections Division STAR-Vote System Brain Trust
- Founding Steering Committee and Editorial Board, USENIX Journal of Voting Technology
- Associate editor, SIAM/ASA Journal of Uncertainty Quantification
- Editorial Board, *ScienceOpen*
- Chair for Auditability, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)

- Program committee, VoteID 2015: The 5th International Conference on e-Voting and Identity, Bern, Switzerland. `http://www.voteid15.org/`
- Program committee, 2015 European Symposium on Research in Computer Security (ESORICS 2015), Vienna, Austria. `http://esorics2015.sba-research.org/`
- Program committee, 2016 Workshop on Advances in Secure Electronic Voting Schemes (VOTING'16, held in conjunction with the 2016 Conference on Financial Cryptography and Data Security, FC'16)
- Session organizer, Teaching Computational Thinking and Practice, 2015 SIAM Conference on Computational Science and Engineering (CSE15)
- Organizer, Berkeley Institute for Data Sciences and Moore/Sloan Data Science Environments 2015 Conference on Reproducibility
- Referee, *PeerJ*

2014
- Consultant, Colorado Secretary of State
- Travis County Texas Elections Division STAR-Vote System Brain Trust
- Founding Steering Committee and Editorial Board, USENIX Journal of Election Technology and Systems (JETS)
- Associate editor, SIAM/ASA Journal of Uncertainty Quantification
- Editorial Board, *ScienceOpen*
- Member, IEEE/NIST Voting System Standards Committee (VSSC) Working Group For Voting Methods Mathematical Models (C/VSSC/1622.X_WG)
- Organizing committee co-chair, 2014 SIAM/ASA Conference on Uncertainty Quantification, Savannah, GA
- Program committee, VoteID 2015: The 5th International Conference on e-Voting and Identity, Bern, Switzerland. `http://www.voteid15.org/`

- Program committee, 2015 European Symposium on Research in Computer Security (ESORICS 2015), Vienna, Austria. `http://esorics2015.sba-research.org/`
- Session organizer, late-breaking session on Reproducibility, 2014 Joint Statistical Meetings, Boston, MA
- Session organizer and chair, 2014 Conference of the International Society for Nonparametric Statistics, Cadiz, Spain
- Session organizer, Teaching Computational Thinking and Practice, 2015 SIAM Conference on Computational Science and Engineering (CSE15)
- Referee, *PLoS One*

2013
- Consultant, California Secretary of State
- Consultant, Colorado Secretary of State
- Consultant, U.S. Department of Justice, Civil Division
- Travis County Texas Elections Division STAR-Vote System Brain Trust
- Founding Steering Committee and Editorial Board, USENIX Journal of Election Technology and Systems (JETS)
- Associate editor, SIAM/ASA Journal of Uncertainty Quantification
- Organizing committee co-chair, 2014 SIAM/ASA Conference on Uncertainty Quantification, Savannah, GA
- Session organizer, Conference of the International Society for Nonparametric Statistics, Cadiz, Spain

2012
- Consultant, California Secretary of State
- Consultant, Colorado Secretary of State
- Consultant, U.S. Department of Justice
- Travis County Texas Elections Division STAR-Vote System Brain Trust
- Founding Steering Committee, USENIX Journal of Election Technology and Systems (JETS)

- Reviewer, National Science Foundation
- Program committee, 2012 Electronic Voting Technology / Workshop on Transparent Elections (EVT/WOTE '12), USENIX Security Symposium, Bellevue, WA
- Session organizer, 2012 Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, San Diego, CA
- Session organizer, 1st Conference of the International Society for NonParametric Statistics, Chalkidiki, Greece
- Organizing committee co-chair, 2014 SIAM/ASA Conference on Uncertainty Quantification, Savannah, GA
- Program committee, 2012 SIAM/ASA/SAMSI/USACM Conference on Uncertainty Quantification, Raleigh, NC
- Session organizer, Election Verification Network (EVN) annual conference, Santa Fe, NM

2011
- Consultant and Expert Witness, U.S. Department of Justice, Civil Division (for U.S. Department of Housing and Urban Development)
- Program committee, 2012 SIAM/ASA/SAMSI/USACM Conference on Uncertainty Quantification, Raleigh, NC
- Consultant, California Secretary of State
- Consultant, Colorado Secretary of State
- Session organizer, Election Verification Network (EVN) annual conference, Chicago, IL

2010
- Consultant and Expert Witness, U.S. Department of Justice, Civil Division (for Department of Housing and Urban Development)
- Consultant, State of Illinois
- Consultant, California Attorney General (for California Highway Patrol)
- Consultant, New York State Senate
- Reviewer, Department of Defense Strategic Environmental Research and Development Program

- Session organizer, Election Verification Network (EVN) annual conference, Washington, DC

2009
- Consultant, California Secretary of State

2008
- Consultant, California Secretary of State

2007
- California Secretary of State Post-Election Audit Standards Working Group `http://www.sos.ca.gov/elections/elections_peas.htm`

2006
- Consultant and Expert Witness, U.S. Department of Justice, Civil Division

2005
- Consultant, U.S. Department of Justice, Civil Division
- Consultant, U.S. Department of Veterans Affairs Medical Center
- Consultant, Habeas Corpus Resource Center

2004
- Reviewer, National Science Foundation
- Consultant, U.S. Department of Justice, Civil Division
- Consultant, U.S. Attorney's Office
- Consultant, U.S. Department of Veterans Affairs Medical Center

2003
- Reviewer, National Science Foundation
- Referee, National Sciences and Engineering Research Council of Canada
- Consultant, U.S. Department of Veterans Affairs Medical Center

2002
- Consultant, U.S. Department of Agriculture
- Consultant, U.S. Department of Justice, Civil Division

2001
- Consultant, U.S. Department of Justice, Civil Division
- Co-organizer, Institute for Mathematics and Its Applications Annual Program *Mathematics in the Geosciences* and workshop on Inverse Problems and the Quantification of Uncertainty

2000
- Invited discussant, National Academy of Science Committee on National Statistics workshop on dual-system estimation for the 2000 Census

- Consultant, U.S. Department of Justice, Civil Division

1998
- Witness, U.S. House of Representatives Subcommittee on the Census.
- Panelist, National Science Foundation

1997
- Session organizer, International Statistical Institute and Bernoulli Society Meeting, Istanbul, Turkey

1996–present
- Global Oscillation Network Group (GONG) Data Users Committee (Chair, 1996–1998)
- Reviewer for United States Geological Survey

1996–1999
- Consultant, National Security Agency

1995
- Institute of Mathematical Statistics Program Chair, Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, Orlando, FL

1994–1996
- Consultant to Federal Trade Commission

1993
- Session organizer and chair, IMS/ASA/ENAR meeting, Philadelphia, PA
- Session organizer and chair, Joint Statistical Meetings of the American Statistical Association, International Biometric Society, and Institute of Mathematical Statistics, San Francisco, CA

1992
- Faculty sponsor, Department of Energy TRAC program

1990–1994
- Bernoulli Society Committee on Statistics in the Physical Sciences

1991–present
- Reviewer for National Aeronautics and Space Administration (Space Physics Division)

1991
- Local organizer and session chair, Mathematical Sciences Research Institute Workshop on Statistical Methods in Imaging, Berkeley, CA

1989
- Session organizer and chair, Bernoulli Society Satellite Meeting, Leuven, Belgium

1989–present – Reviewer for National Science Foundation (Atmospheric Sciences; Infrastructure; International Programs; Mathematical Sciences; Methodology, Measurement, and Statistics; Solar-Terrestrial Program; Statistics and Probability)

Foundations, Non-Profit Corporations, and Industry

2022– – Board of Directors, Election Integrity Foundation

2020– – Board of Advisors, Open Source Election Technology (OSET) Institute

– Board of Advisors, Re:wild your campus (formerly Herbicide-Free Campus)

2020–2023 – Governance Committee, Association of Foragers

2013–2019 – Board of Directors, Verified Voting Foundation

2011–2013 – Board of Advisors, Verified Voting Foundation

2010–2011 – Technical Advisory Board, Clear Ballot Group

2007 – Advisory Board, Facebar, Inc.

2000–2001 – Technical Advisory Board, Cogit.com

2000–2002 – National Advisory Board, eTextbooksOnline.com

– Technical Advisory Board, Atomic Dog Publishing

Editorial and Referee Service

Editorial Service

2014–present – Faculty Review Board, Berkeley Scientific Journal

2013–present – Editorial Board, ScienceOpen

2013–2016 – Associate Editor, SIAM/ASA Journal on Uncertainty Quantification

2012–2018 – Founding Steering Committee and Editorial Board, USENIX Journal of Election Technology and Systems (JETS)

2011–present – Editor, Frontiers in Statistics and Probability (Springer)

2008 – Guest Editor, Inverse Problems

1998–1999 – Editor, Statistical Science

1997–2000 – Editorial Board, Inverse Problems

1994–1998 – Associate Editor, Journal of Geophysical Research

Referee Service

1. American Association for the Advancement of Science
2. American Mathematical Monthly
3. Annales Geophysicae
4. Annals of the Institute of Statistical Mathematics
5. Annals of Statistics
6. Arabian Journal for Science and Engineering
7. Astrophysical Journal
8. Bulletin of the Seismological Society of America
9. Cambridge University Press
10. Chapman-Hall
11. Computational Statistics and Data Analysis
12. Conservation Biology
13. Electronic Journal of Statistics
14. Foods
15. Geophysical Journal International

16. Geophysical Research Letters
17. Geophysics
18. Geophysical & Astrophysical Fluid Dynamics
19. HarperCollins
20. Harvard Data Science Review
21. IEEE Journal on Acoustics, Speech and Signal Processing
22. IEEE Journal on Information Theory
23. Inverse Problems
24. Inverse Problems and Imaging
25. Journal of the Academy of Business Education
26. Journal of the American Statistical Association
27. Journal of Computational Physics
28. Journal of Economic Literature
29. Journal of Geophysical Research
30. Jurimetrics
31. Nature
32. Nature Climate Change
33. Nature Communications
34. PeerJ
35. Political Analysis
36. Physics of the Earth and Planetary Interiors
37. PLoS One
38. Proceedings of the National Academy of Sciences

39. Sankya A
40. Science
41. SIAM Review
42. Simon and Schuster
43. Springer-Verlag
44. Statistics, Politics, and Policy
45. Statistical Science
46. Tectonophysics

University Service

2023–2024
- Data Science Governance Committee and Bylaws Subcommittee, UC Berkeley
- Chair's Advisory Committee, Department of Statistics, UC Berkeley
- Steering Committee, STEM Excellence through Equity & Diversity (SEED) Scholars Program
- Executive Committee and Advisory Board, Peder Sather Center for Advanced Study
- Member, Berkeley Science Network `http://bsn.berkeley.edu`
- Board of Advisors, Election Security Research Facility, Georgia Institute of Technology `https://votingdata.org/home/`

2022–2023
- Data Science Governance Committee and Bylaws Subcommittee, UC Berkeley
- Chair's Advisory Committee, Department of Statistics, UC Berkeley
- Steering Committee, STEM Excellence through Equity & Diversity (SEED) Scholars Program
- Executive Committee and Advisory Board, Peder Sather Center for Advanced Study

- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Member, Berkeley Science Network `http://bsn.berkeley.edu`
- Board of Advisors, Election Security Research Facility, Georgia Institute of Technology `https://votingdata.org/home/`

2021–2022
- Steering Committee, STEM Excellence through Equity & Diversity (SEED) Scholars Program
- Executive Committee and Advisory Board, Peder Sather Center for Advanced Study
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2020–2021
- Associate Dean, Division of Mathematical and Physical Sciences
- Interim Regional Associate Dean, College of Chemistry and Division of Mathematical and Physical Sciences (ChaMPS)
- Steering Committee, STEM Excellence through Equity & Diversity (SEED) Scholars Program
- Executive Committee and Advisory Board, Peder Sather Center for Advanced Study
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Scientific Advisory Board, European Union H2020 Project Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC), Universitat Autònoma de Barcelona (Spain) and University of Bergen (Norway)
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2019–2020
- Associate Dean, Division of Mathematical and Physical Sciences
- Interim Regional Associate Dean, College of Chemistry and Division of Mathematical and Physical Sciences (ChaMPS)

- Steering Committee, STEM Excellence through Equity & Diversity (SEED) Scholars Program
- Executive Committee and Advisory Board, Peder Sather Center for Advanced Study
- UC Berkeley Signature Initiatives working group for Inclusive Intelligence
- University of California Systemwide Task Force on Herbicides / Safer Chemicals
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Scientific Advisory Board, European Union H2020 Project Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC), Universitat Autònoma de Barcelona (Spain) and University of Bergen (Norway)
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2018–2019
- Associate Dean, Division of Mathematical and Physical Sciences
- UC Berkeley Signature Initiatives working group for Inclusive Intelligence
- Campus Experience Working Group, Undergraduate Student Diversity Project, UC Berkeley
- University of California Systemwide Task Force on Herbicides / Safer Chemicals
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Scientific Advisory Board, European Union H2020 Project Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC), Universitat Autònoma de Barcelona (Spain) and University of Bergen (Norway)
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University

- Member, Berkeley Science Network `http://bsn.berkeley.edu`
- Schmidt Science Fellows Program review committee

2017–2018
- Associate Dean, Division of Mathematical and Physical Sciences
- Chancellor's Strategic Planning Committee on Enrollment Growth
- Interdepartmental Committee on the Formation of the Division of Data Sciences
- Director, Statistical Computing Facility
- *Ad hoc* Data Sciences Divisional committee on undergraduate degree programs
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Academic Program Review Committee, Academic Senate representative, Department of Agricultural and Resource Economics
- Scientific Advisory Board, European Union H2020 Project Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC), Universitat Autònoma de Barcelona (Spain) and University of Bergen (Norway)
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Faculty Advisory Committee, Athletic Study Center
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2016–2017
- Associate Dean, Division of Mathematical and Physical Sciences
- Director, Statistical Computing Facility
- Advisory Board, Berkeley Institute for Data Science (BIDS)
- Scientific Advisory Board, European Union H2020 Project Moving Towards Adaptive Governance in Complexity: Informing Nexus Security (MAGIC), Universitat Autònoma de Barcelona (Spain) and University of Bergen (Norway)

- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Faculty Advisory Committee, Athletic Study Center
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2015–2016
- Associate Dean, Division of Mathematical and Physical Sciences
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Faculty Advisory Committee, Athletic Study Center
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2014–2015
- Chair, Department of Statistics
- Director, Statistical Computing Facility
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Campus Working Group on Course Curriculum and Design
- Faculty Advisory Committee, Athletic Study Center
- Engineering Science Advisory Committee, College of Engineering
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2013–2014
- Chair, Department of Statistics
- Director, Statistical Computing Facility

- Commission on the Future of the UC Berkeley Library `http://academic-senate.berkeley.edu/issues/commission-future-uc-berkeley-library`
  Charge: `http://evcp.berkeley.edu/sites/default/files/Library%20Commission%2009.21.2012.pdf`
  Final Report: `http://evcp.berkeley.edu/news/commission-future-uc-berkeley-library-report`
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Campus Working Group on Course Curriculum and Design
- Faculty Advisory Committee, Athletic Study Center
- Engineering Science Advisory Committee, College of Engineering
- Search Committee, Director of IT for College of Letters and Sciences
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- External Review Committee, Department of Applied Mathematics and Statistics, Colorado School of Mines
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2012–2013
- Chair, Department of Statistics
- Director, Statistical Computing Facility
- Commission on the Future of the UC Berkeley Library
- Faculty Advisory Committee, Berkeley Resource Center for Online Education (BRCOE)
- Engineering Science Advisory Committee, College of Engineering
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University
- Member, Berkeley Science Network `http://bsn.berkeley.edu`

2011–2012
- Acting Department Chair, Department of Statistics, July–August

- Vice Chair, Department of Statistics
- Academic Senate Alternate Representative to University of California Systemwide Assembly
- Academic Senate Committee on Academic Planning and Resource Allocation (CAPRA)
- Campus Committee on Classroom Policy and Management (CC-CPM)
- Business Resumption Coordination Group (BRCG)
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University

2010–2011
- Academic Senate Committee on Academic Planning and Resource Allocation (CAPRA)
- Campus Committee on Classroom Policy and Management (CC-CPM)
- Course Note-Taking Taskforce (`http://campuspol.chance.berkeley.edu/policies/coursenotes.pdf`)
- *Ad hoc* tenure/promotion committee
- Faculty Athletic Fellow
- Program Advisory Committee, Doctor of Business Administration Program, Lincoln University

2009–2010
- Academic Senate Committee on Computing and Communications (COMP)
- Faculty Athletic Fellow

2008–2009
- Faculty Athletic Fellow

2007–2008
- Undergraduate Student Learning Initiative Faculty Advisory Committee
- Faculty Athletic Fellow

2006–2007
- Faculty Athletic Fellow

2005–2006
- Faculty Athletic Fellow

2004–2005
- Chair, Educational Technology Committee
- e-Berkeley Steering Committee
- e-Berkeley Committee of Chairs
- e-Berkeley Implementation Task Force
- CourseWeb Steering Committee
- Faculty Athletic Fellow

2003–2004
- Chair, Educational Technology Committee
- e-Berkeley Steering Committee
- e-Berkeley Implementation Task Force
- Student Systems Policy Committee
- CourseWeb Steering Committee

2002–2003
- Faculty Assistant in Educational Technology (to Vice Provost for Undergraduate Education)
- Chair, Educational Technology Committee
- Provost's Academic Council
- e-Berkeley Steering Committee
- e-Berkeley Implementation Task Force
- Campus Committee on Classroom Policy and Management (CC-CPM)
- Student Systems Policy Committee
- e-Berkeley Symposium Program Committee
- Faculty Search Committee, Graduate School of Education
- CourseWeb Steering Committee

2001–2002
- Faculty Assistant in Educational Technology (to Vice Provost for Undergraduate Education)
- Chair, Educational Technology Committee
- Provost's Academic Council
- e-Berkeley Steering Committee
- e-Berkeley Implementation Task Force

- Campus Committee on Classroom Policy and Management (CC-CPM)
- Academic Senate Committee on Academic Planning and Resource Allocation (CAPRA)
- CITRIS II Program Committee
- TeleBEARS and BearFacts Committees (combined into Student Systems Policy Committee as of 3/2002)
- e-Berkeley Portal Working Group
- Faculty search committee, Graduate School of Education

2000–2001
- Space Allocation and Capital Improvements (SACI)
- Academic Senate Committee on Academic Planning and Resource Allocation (CAPRA)
- CAPRA Subcommittee on Expanded Enrollment
- CAPRA Subcommittee on changes to Academic Coordinator title
- *Ad hoc* hiring/tenure committee

1999–2000
- Space Allocation and Capital Improvements (SACI)
- Academic Senate Library Committee (LIBR)
- Academic Senate Committee on Academic Planning and Resource Allocation (CAPRA), Physical Planning Subcommittee, *ex officio* representative from Library Committee
- Academic Effects Study Committee, Molecular Engineering Building
- *Ad hoc* tenure/promotion committee
- SACI subcommittee to audit space in Barrows Hall

1998–1999
- Space Allocation and Capital Improvements (SACI)
- Electronic Dissertations Project
- Planning Space for the Physical Sciences Libraries

1997–1998
- *Ad hoc* tenure/promotion committee

1996
- Review of College of Science, King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia

1994–1999 – University review committee for Department of Agricultural and Resource Economics, University of California, Berkeley

1993–1995 – Physical Sciences Division committee for Graduate Affirmative Action and Retention

– Physical Sciences Division committee for Science and Mathematics Academic Re-Training (SMART)

Contracts and Grants

1. PI, NASA Grant NAG 5-883, "Constructing Core Fields Consistent with Geomagnetic Data and Geophysical Constraints," 1987–1990.

2. Project Director and PI, NSF Grant DMS-8810192, "Inference in Curved-Ray Tomography: Solid Earth Structure," 1989–1992.

3. PI, NSF Grant INT-9205103, "Long and Medium-Term Research: Inference in Seismological Investigations of Subducting Lithosphere," 1992–1994.

4. PI, NSF Grant DMS-930006P, "Estimating the Sun's Internal Angular Velocity from Free-Oscillation Frequency Splittings," 1993–1994.

5. PI, NSF Presidential Young Investigator Award DMS-8957573, 1989–1995.

6. Co-I, NASA Grant NAG5-2438, "The Analysis of Cobe DMR Sky Maps," 1993–1994. PI: J. Silk

7. PI, NASA Grant NAGW-2515, "New Methods for Inversion and Analysis of Solar Free-Oscillation Data," 1991–1995.

8. PI, NSF Grant DMS-9404276, "New Methods for Inference From COBE Data," 1994–1997.

9. PI, NSF Grant AST-9504410, "Function Estimation and Inference in Helioseismology," 1995–1998.

10. PI, LLNL/IGPP Grant 97-AP028, "Helioseismology with Solar Luminosity Constraints," 1996–1997.

11. Co-I, NASA Grant NAG5-3941, "Development of data analysis, compression and visualization tools for large data sets in astrophysics and cosmology," 1997–1998. PI: J. Silk

12. PI, NASA Grant NRA-96-09-OSS-034SOHO, "Modern Statistical Methods for Helioseismic Spectrum Estimation," 1997–1998.

13. PI, NASA Grant NAG 5-3919, "Data Sampling Rate Reduction for the Oersted Satellite," 1997–1998.

14. PI, UC Berkeley Classroom Technologies Grant, "Statistics *Statim*," 1997–1998.

15. Co-I, NSF Grant DMS-9872979,"*KDI: Computational Challenges in Cosmology*," 1998–2000. PI: A. Jaffe.

16. Co-I, NSF Grant IIS-98-17353, "*Re-Inventing Scholarly Information Dissemination and Use*," 4/1/1999–3/31/2004. PI: R. Wilensky and D. Forsythe.

17. PI, Hewlett Packard Company Grant 89293, "Applied Mobile Technology Solutions in Learning Environments," 3/19/2003–8/31/2004. Status report:
`https://www.stat.berkeley.edu/~stark/Grants/hp89293.htm`

18. PI, Hewlett Packard Company Grant 14928, "Applied Mobile Technology Solutions in Learning Environments—2004 Extension Grant," 4/1/2004–6/30/2005.

19. PI, LLNL Grant B565605, "Uncertainty in Complex Simulations," 4/3/2007–9/30/2007.

20. PI, LLNL Grant B585264, "Uncertainty Quantification with Applications to Climate Modeling," 11/3/2009–9/30/2010.

21. PI, Genentech Inc. Grant 008485, "Measuring Glucose with NIR," 2/24/2010–10/31/2010.

22. Co-I, NSF Grant DUE-1060487, "S-STEM Berkeley Science Network Scholarship Program," 3/1/2011–2/28/2015. PI: M. Richards.

23. PI, State of Colorado U.S. Election Assistance Commission subaward UC01, 2010 Pre-Election Logic and Accuracy Testing and Post-Election Audit Initiative, 5/23/2011–4/23/2013.

24. PI, State of California Election Assistance Commission subaward 10I10066, Post Election Risk-Limiting Audit Pilot Program, 9/13/2011–4/23/2013.

25. PI, Bill and Melinda Gates Foundation Grant OPP1077697, "An Introductory Statistics MOOC With Field-Tested Online Assessments," 12/20/2012–7/31/2013.

26. Co-I, UC Berkeley MOOCLab Grant, "Forum Usage in Statistics MOOCs: Disentangling Correlation from Causation," 10/2013–8/2014. PI: M. Hearst.

27. Co-I, Berkeley Institute for Data Science, grant from the Gordon and Betty Moore Foundation and the Sloan Foundation. 12/2013–12/2018. PI: S. Perlmutter.

28. PI, UC Berkeley Food Institute Grant, "Reaping without Sowing: Urban Foraging, Sustainability, Nutrition, and Social Welfare," 2/2014–8/2015.

29. Co-I, NSF DGE–1450053, "NRT-DESE Data Science for the 21st Century (DS421)," 2015–2020. PI: D. Ackerley.

30. PI, UC Berkeley Food Institute Grant, "Wild Food: Investigating and Reducing Barriers to the Consumption of Foraged Foods," 5/2015–12/2015.

31. PI, State Street Bank and Trust Company Grant, "Industry Partners Program: Consortium for Data Analytics in Risk (CDAR); and Berkeley Institute for Data Science (BIDS) at UC Berkeley," 2/2015–6/2018.

32. PI, Dascena subaward from NIH, "SBIR: A Computational Approach to Early Sepsis Detection," 4/2017–6/2017.

33. PI, Peder Sather Grant, "Mainstreaming Sensitivity Analysis and Uncertainty Auditing," 7/2017–6/2018.

34. Co-I, NSF Grant DMS–1745640, "(RTG): Advancing Machine Learning–Causality and Interpretability," 2018–2023.

35. Co-I, NSF Grant SES–1757307, "Multidisciplinary Conference on Election Auditing: Cambridge, Massachusetts," 2018–2020.

36. Co-I, California Department of Transportation contract 74A1269, "Statistical Support for the Development of the District 1 Active Transportation Census Program," 2021–2024. PI: Alex Skabardonis.

37. PI, NSF Grant SaTC–2228884, "LESS DOUBT: Learning Efficiently from Statistical Samples–Demonstrating Outcomes Using Better Tests," 2022–2025.

38. Co-I, NSF Grant NRT-HDR–2243822 "Computational Research for Equity in the Legal System (CRELS)," 2023–2028.

39. Co-I, California Department of Transportation contract, "Statistical Support for the Development of the District 12 Active Transportation Census Program," 2023–2025. PI: Alex Skabardonis.

Consulting and Expert Witness Experience

Association of University of New Brunswick Teachers, Fredericton, New Brunswick, Canada: teaching evaluations and academic employment discrimination

Austin Community College, Austin, TX: teaching evaluations

Baker & McKenzie LLP, New York, NY: sampling and uncertainty quantification (client Nuclear Electric Insurance Limited, NEIL)

Bartlit Beck Herman Palenchar & Scott LLP, Denver, CO: intellectual property litigation (client Tessera)

Bingham McCutchen LLP, Los Angeles, CA: sampling in litigation

Boies Schiller Flexner LLP, San Francisco, CA: sampling and inference in litigation (client Apple Inc.)

Bramson, Plutzik, Mahler & Birkhaeuser LLP, Walnut Creek, CA: consumer class action litigation

Bruce P. Brown Law, Atlanta, GA: election integrity litigation (client Donna Curling et al.)

Brinks, Hofer, Gilson & Lione, Chicago, IL: intellectual property litigation (clients R.J. Reynolds, Actavis)

Calfee, Halter & Griswold LLP, Cleveland, OH: tort litigation (client FirstEnergy Corp)

California-American Water Company: utilities regulation, census and survey data

Capital One: economic modeling and credit risk management; intellectual property litigation; credit loss forecasting

Carey and Carey, Palo Alto, CA: equal protection, civil litigation

CIBC: economic modeling and credit risk management

Cisco Systems: predicting email spool fill

City of Santa Rosa, CA: water treatment monitoring

Coalition for Good Governance, Boulder, CO: election integrity

Cogit.com, San Francisco, CA: Technical advisory board; data mining, targeted web advertising

Constantine, Cannon, San Francisco, CA, and New York, NY: *Qui Tam* litigation (three cases)

Contra Costa County Public Defender, Richmond, CA: equal protection, due process, medical treatment for defendants found incompetent to stand trial

Council of Europe, Venice Commission, Venice, Italy: election integrity, electoral fraud

Crosby, Heafey, Roach, & May, Oakland, CA: insurance litigation (client Farmer's Insurance)

Croskery Law Offices, Cincinnati, OH: employment discrimination litigation

DLA Piper, Atlanta, GA, New York, NY, and Washington, DC: sampling in litigation.

East Bay Municipal Utilities District, Oakland, CA: water treatment monitoring

EEG Systems Laboratory, San Francisco, CA: inverse problems for electrical activity of the brain

Emery Celli Brinckerhoff & Abady LLP, Washington, DC: election recounts (client Jill Stein)

eTextbooksOnline.com, New York, NY: National Advisory board

Farella Braun + Martel LLP, San Francisco, CA: sampling and estimation in litigation

Federal Trade Commission, San Francisco, CA: sampling in litigation

Fibrogen, Inc., San Francisco, CA: clinical trials

Florida Education Association, Tallahassee, FL: teaching evaluations in academic employment decisions

Folger, Levin & Kahn, LLP, San Francisco, CA: sampling and risk management in litigation (client California Self-Insurers' Security Fund)

Fried, Frank, Harris, Shriver & Jacobsen LLP, New York, NY: sampling and estimation in securities litigation (clients Citigroup Global Markets Inc.; Goldman, Sachs & Co.; UBS Securities LLC)

Fuller-Austin Joint Defense Group: modeling in litigation

Georgia Department of Law, Atlanta, GA: lottery winnings (client Georgia Lottery Corporation)

Gibson, Dunn & Crutcher, New York, NY: sampling and estimation in litigation (client AIG / Lavastone Capital)

GMAC Financial Services: economic modeling and credit risk management

Habeas Corpus Resource Center, San Francisco, CA: bias in jury selection

Howard, Rice, Nemerovski, Canady, Falk, & Rabkin, San Francisco, CA: sampling in litigation; inference from retail sales data (clients K-Mart Corp., R.J. Reynolds)

Howrey LLP, East Palo Alto, CA: sampling in litigation (client Apple Inc.)

HSBC: economic modeling and credit risk management

Jones Day, Columbus, OH: sampling and estimation in litigation (client Cardinal Health)

Kaiser Permanente Northern California, Redwood City, CA: clinical trials in oncology

Kelley Jasons McGuire & Spinelli, LLP: insurance litigation (client St. Paul Fire & Marine Insurance Company)

Keller Grover LLP, San Francisco, CA: *Qui Tam* litigation

Kemnitzer, Barron & Krieg, LLP, San Francisco, CA: sampling in consumer class action litigation

Kipling Law Group, Seattle, WA: sampling in litigation (client AT&T Wireless)

KLA Instruments Corporation, San Jose, CA: calibration of algorithms to detect IC mask flaws

Kramer, Levin, Naftalis, & Frankel, New York, NY: sampling in litigation

Latham & Watkins, LLP, Menlo Park, CA, and San Francisco, CA: sampling in consumer class action litigation (clients Apple Inc., Silver Spring Networks)

Law Offices of Gorman & Miller, San Jose, CA: trade secret litigation

Law Offices of Ilson W. New, San Francisco, CA: natural resource legislation (client California Abalone Association)

Law Offices of Ramirez, Tollner, Stebbins, Bahrick, & Sasseen, San Jose, CA: trade secret litigation

Law Offices of Welebir & McCune, Woodside, CA: product liability litigation

Law Offices of Wells, Pinckney & McHugh, Austin, TX: employment discrimination arbitration

Law Offices of Wolkin & Timpane, San Francisco, CA: insurance litigation (client CIGNA)

Law Offices of Scott K. Zimmerman, Brentwood, CA: product liability litigation

Life Chiropractic College West, Hayward, CA: experimental design

Littler Mendelson, P.C., Dallas, TX, Los Angeles, CA, and San Francisco, CA: sampling in employment wage and hour class action litigation

Los Angeles Superior Court, Central District: sampling in employment wage and hour litigation

Manatt, Phelps & Phillips LLP, San Francisco, CA: utilities regulation (client California-American Water Company)

Mayer, Brown, Rowe & Maw, Chicago, IL: intellectual property litigation (client Capital One)

Mayer Brown LLP, New York, NY: mortgage-backed securities litigation (clients Bank of New York Mellon, Citibank N.A.)

Memorial University Faculty Association (MUNFA), St. Johns, NL, Canada: teaching evaluations in academic employment decisions

Meyers Nave, Oakland, CA: election dispute litigation (client Novato Sanitary District)

Monaghan Safar Ducham PLLC, Burlington, VT: employment discrimination

Morgan, Lewis & Bockius LLP, Los Angeles, CA: sampling in litigation

Morrison & Foerster, San Francisco, CA: product liability class action litigation, causal inference in litigation (clients American Cemwood, Iovate Health Sciences)

Munger, Tolles & Olson, LLP, San Francisco, CA and Los Angeles, CA: consumer class action litigation, intellectual property litigation, sampling (clients Verizon Wireless, Philip Morris, Tessera)

Murphy & McGonigle, Washington, DC: risk management and credit loss forecasting (client Capital One)

National Security Agency: adaptive filtering, combining expert opinions, digital communications, information retrieval, estimation

National Solar Observatory, Tucson, AZ: spectrum estimation

Albert A. Natoli, P.C., New York, NY: surveys in consumer class action litigation

New Hampshire Department of Justice, New Hampshire Secretary of State, and Town of Windham, New Hampshire: election auditing

Nichols Kaster PLLP, Minneapolis, MN: sampling and damage estimation in consumer class action litigation

Norton Rose Fulbright US LLP, Houston, TX: construction defect litigation (client M.J. Dean Construction, Inc.)

Nossaman LLP, San Francisco, CA: utilities regulation (client California-American Water Company)

Office of the Attorney General, State of California, Oakland, CA: sampling in litigation (client California Highway Patrol)

Ontario Confederation of University Faculty Associations (OCUFA) and Ryerson Faculty Association, Toronto, ON: teaching evaluations in academic employment decisions

Oracle: sampling and risk analysis

Orrick, Herrington & Sutcliffe LLP, Los Angeles and Sacramento, CA: sampling in litigation

Pacific Gas & Electric Co., San Francisco, CA: statistics and causal inference in litigation

Paul, Hastings, Janofsky & Walker LLP, Washington, DC: intellectual property litigation (client Capital One)

Phillips & Cohen LLP, San Francisco, CA: statistical inference in *Qui Tam* litigation

Porter & Hedges, LLP, Houston, TX: sampling in litigation

Schlumberger-Doll Research, Ridgefield, CT: inverse problems, signal processing

Robins Kaplan LLP: *Qui Tam* litigation

Shearman & Sterling, Washington, DC: survival analysis in litigation

Skadden, Arps, Slate, Meagher & Flom LLP, San Francisco, CA: case-control studies in litigation

Spector Roseman Kodroff & Willis, P.C., Philadelphia, PA: *Qui Tam* litigation

Spriggs & Hollingsworth, Washington, DC: environmental litigation

State of Illinois, Monroe County State's Attorney, Waterloo, IL: evidence in capital prosecution

St. Paul Fire and Marine Insurance Company, Baltimore, MD: projecting tort liability

Susman Godfrey, LLP, Los Angeles, CA

Tonix Pharmaceuticals, Inc., Chatham, NJ: clinical trials

Travis County, TX: design of auditable voting systems

United Faculty of Florida, Tallahassee, FL: teaching evaluations in academic employment decisions

University of Southern California School of Law, Los Angeles, CA: teaching evaluations

U.S. Attorney's Office, Northern District of California: ethnic bias in grand jury selection

U.S. Department of Agriculture, Washington, D.C.: fairness in lending, import restrictions and risk assessment

U.S. Department of Commerce, Bureau of the Census, Washington, D.C.: estimation and modeling

U.S. Department of Housing and Urban Development, Washington, D.C.: disparate impact of hurricane Katrina relief program

U.S. Department of Justice, Civil Division, Washington, D.C.: sampling the Internet and testing Internet content filters; USDA import restrictions on cattle and beef; disparate racial impact in HUD disaster relief; fairness in lending; prevalence of "sexting" among young adults; *qui tam* litigation

U.S. Department of Justice, Civil Division, San Francisco, CA: Election fraud.

U.S. Department of Veterans Affairs Medical Center, Martinez, CA: speech and non-speech hearing segregation in aging

U.S. House of Representatives, Washington, D.C.: sampling to adjust the U.S. Census

Weintraub Genshlea Chediak Law Corporation, Sacramento, CA: wage and hour class action litigation (client Tai Wah, Inc.)

Wiegel Law Group, San Francisco, CA: sampling in class action litigation (client Trinity Management Services)

Wilkinson Walsh, Washington, DC: sampling and extrapolation (client Bayer)

Willoughby, Stuart & Bening, San Jose, CA: insurance litigation

Winston & Strawn LLP, Chicago, IL: consumer class action litigation

Zimmerman Reed, Scottsdale, AZ: consumer class action litigation

Testimony (incomplete prior to 2003)

57. **March 2024.** United States Of America ex rel. Benjamin Poehling, v. UnitedHealth Group, Inc., et al. (U.S. District Court, Central District of California, Western Division 16-cv-08697 FMO (SSx)) Deposition.

56. **January 2024.** Donna Curling, et al., v. Brad Raffensperger, et al., (U.S. District Court, Northern District of Georgia, Atlanta Division, Case 1:17-cv-2989-AT) Trial.

55. **December 2022.** Donna Curling, et al., v. Brad Raffensperger, et al., (U.S. District Court, Northern District of Georgia, Atlanta Division, Case 1:17-cv-2989-AT) Deposition.

54. **December 2020.** Vicky Maldonado and Justin Carter, Individually and on behalf of themselves and all others similarly situated, v. Apple Inc, Applecare Services Company, Inc., and Apple CSC, Inc. (US District Court, Northern District of California, San Francisco Division, Case 3:16-cv-04067-WHO) Deposition.

53. **November 2020.** University Faculty of Florida and University of Florida, (American Arbitration Association before Arbitrator Mark Lurie, Grievance No. 0625-000121) Arbitration.

52. **September 2020.** Donna Curling, et al., v. Brad Raffensperger, et al., (U.S. District Court, Northern District of Georgia, Atlanta Division, Case 1:17-cv-2989-AT) Trial.

51. **August 2020.** Pacific Life & Annuity Company and Pacific Life Insurance Company v. The Bank of New York Mellon (U.S. District Court, Southern District of New York, Case 17-CV-1388-KPF) Deposition.

50. **January 2020.** Coordination proceeding Special Title [Rule 1550(b)] Essure Product Cases, (Superior Court of California, County of Alameda, Case JCCP 4887) Deposition.

49. **May 2019.** A. Bolde v. Navistar, Inc., Vaso Express, Inc., A. Karapetyan, and Does 1–100, (Superior Court of California, County of Los Angeles, Department 2, Case BC6743) Deposition.

48. **April 2019.** Testimony before the U.S. Election Assistance Commission regarding the Voluntary Voting Systems Guidelines (VVSG), version 2.0. Salt Lake City, UT. Public testimony. `https://www.eac.gov/media/video-player-us-eac-public-hearing-042319/`

47. **December 2018.** Phoenix Light SF Ltd., in its own right and the right of Blue Heron Funding V Ltd., Blue Heron Funding VI Ltd., Blue Heron Funding VII Ltd., Kleros Preferred Funding V PLC, Silver Elms CDO PLC, Silver Elms CDO II Ltd., C-BASS CBO XVII Ltd., C-BASS CBO XIV Ltd. and each of Blue Heron Funding V Ltd., Blue Heron Funding VI Ltd., Blue Heron Funding VII Ltd., Kleros Preferred Funding V PLC, Silver Elms CDO PLC, Silver Elms CDO II Ltd., C-BASS CBO XVII Ltd. and C-BASS CBO XIV Ltd., in their own right, *vs.* The Bank of New York Mellon. (U.S. District Court, Southern District of New York, Case 14-CV-10104 (VEC)) Deposition.

46. **November 2018.** United States of America and State of New York, *ex rel.* Edward Lacey, *vs.* Visiting Nurse Service of New York. (U.S. District Court, Southern District of New York, Case 14-CV-5739 (AJN)) Deposition.

45. **August 2018.** Delores James *vs.* University of Florida (Grievances # 0817-00108 and 1117-00109) Arbitration.

44. **July 2018.** Testimony to the State of California Little Hoover Commission. Video: `http://www.lhc.ca.gov/report/voting-equipment-security`. Written testimony : `https://www.stat.berkeley.edu/~stark/Preprints/lhs18.pdf`

43. **July 2018.** United States of America, *ex rel.* Stephen A. Krahling and Joan A. Wlochowski, *vs.* Merck & Co., Inc. (U.S. District Court, Eastern District of Pennsylvania, Case 10-4374 (CDJ)) and *In Re*: Merck Mumps Vaccine Antitrust Litigation (Master File No. 12-3555 (CDJ)) Deposition.

42. **April 2018.** Ryerson University *vs.* The Ryerson Faculty Association re FCS & Related Issues (2018 CanLII 58446) Arbitration.

41. **August 2017.** Application of California-American Water Company (U210W) for Authorization to Modify Conservation and Rationing Rules, Rate Design, and Other Related Issues for the Monterey District (Public Utility Commission of the State of California, Application 15-07-019) Hearing.

40. **July 2017.** United States, the States of California, Delaware, Florida, Illinois, Indiana, Nevada, New Mexico, New York, and Tennessee, the Commonwealths Of Massachusetts and Virginia, and The District Of Columbia, *ex rel.* John Hendrix, *vs.* J-M Manufacturing Company, Inc., d/b/a JM Eagle, a Delaware corporation, and Formosa Plastics Corporation, U.S.A., a Delaware corporation (U.S. District Court, Central District of California, Case ED CV 06-00055-GW) Deposition.

39. **March 2017.** The People of the State of California *vs.* Keegan Lee Czirban, Richard Allen, Filoberto Pablo Alvidrez, Jaqwayne Bryant, Dale Gabriel Burnell, Juan Pablo Cardona aka Juan Luna-Cardona,

Miguel Colina, Emmanuel Cordova, Ramon Duenas, Connie Renee Fields, Anisa Sakari Fortenberry, Louie Frank Gamboa, Cynthia Marie Harrell, Briana Hawkins, Jeremiah James Johnson, Kieth Carl Knutson, Mark Alex Mallory, Brian McMahon, David Moore, Marquise Lamar Owens, Mitkayem Dean Robinson, Patrice Sanders, and Seth Rui Sears. (Superior Court of the State of California, County of Contra Costa, 05-151662-4 and associated cases) Trial.

38. **March 2017.** Kelly Brunarski and Yvette Harmon *vs.* Miami University. (U.S. District Court, Southern District of Ohio, Western Division, 1:16-cv-0311) Deposition.

37. **January 2017.** The Western and Southern Life Insurance Company, et al. *vs.* The Bank of New York Mellon. (Court Of Common Pleas, Hamilton County, Ohio, A1302490) Trial.

36. **December 2016.** Fixed Income Shares: Series M, Lvs II LLC, PCM Fund, Inc., PIMCO Absolute Return Strategy II Master Fund LDC, PIMCO Absolutereturnstrategy III Master Fund LDC, PIMCO Absolute Return Strategy III Overlay Master Fund Ltd., PIMCO Absolute Return Strategy IV Master Fund LDC, PIMCO Absolute Return Strategy V Master Fund LDC, PIMCO Bermuda Trust: PIMCO Bermuda Foreign Low Duration Fund, PIMCO Bermuda Trust: PIMCO Bermuda U.S. Low Duration Fund, PIMCO Cayman Spc Limited, PIMCO Cayman Japan Coreplus Segregated Portfolio, PIMCO Cayman Trust: PIMCO Cayman Global Advantage Bond Fund, PIMCO Cayman Trust: PIMCO Cayman Global Aggregate Ex-Japan (Yen-Hedged) Bond Fund II, PIMCO Cayman Trust: PIMCO Cayman Global Aggregate Exjapan (Yen-Hedged) Income Fund, PIMCO Cayman Trust: PIMCO Cayman Global Aggregate Ex-Japan Bond Fund, PIMCO Cayman Trust: PIMCO Cayman Global Bond (Nzdhedged) Fund, PIMCO Dynamic Credit Income Fund, PIMCO ETF Trust, PIMCO Total Return Active Exchange-Traded Fund, PIMCO Funds: Global Investors Series PLC, Diversified Income Fund, PIMCO Funds: Global Investors Series PLC, Global Bond Fund, PIMCO Funds: Global Investors Series PLC, Global Investment Grade

Credit Fund, PIMCO Funds: Global Investors Series PLC, Income Fund, PIMCO Funds: Global Investors Series PLC, PIMCO Credit Absolute Return Fund, PIMCO Funds: Global Investors Series PLC, Unconstrained Bond Fund, PIMCO Funds: PIMCO Commodities Plus Strategy Fund, PIMCO Funds: PIMCO Commodity Real Return Strategy Fund, PIMCO Funds: PIMCO Credit Absolute Return Fund, PIMCO Funds: PIMCO Diversified Income Fund, PIMCO Funds: PIMCO Floating Income Fund, PIMCO Funds: PIMCO Foreign Bond Fund (Unhedged), PIMCO Funds: PIMCO Global Advantage Strategy Bond Fund, PIMCO Funds: PIMCO Global Bond Fund (Unhedged), PIMCO Funds: PIMCO Income Fund, PIMCO Funds: PIMCO International Stocksplus AR Strategy Fund (U.S. Dollarhedged), PIMCO Funds: PIMCO Investment Grade Corporate Bond Fund, PIMCO Funds: PIMCO Low Duration Fund, PIMCO Funds: PIMCO Low Duration Fund II, PIMCO Funds: PIMCO Low Duration Fund III, PIMCO Funds: PIMCO Real Return Fund, PIMCO Funds: PIMCO Short-Term Fund, PIMCO Funds: PIMCO Total Return Fund, PIMCO Funds: PIMCO Unconstrained Bond Fund, PIMCO Funds: PIMCO Worldwide Fundamental Advantage AR Strategy Fund, PIMCO Funds, Private Account Portfolio Series Emerging Markets Portfolio, PIMCO Funds: Private Account Portfolio Series International Portfolio, PIMCO Funds: Private Account Portfolio Series Mortgage Portfolio, PIMCO Funds: Private Account Portfolio Series Short-Term Portfolio, PIMCO Funds: Private Account Portfolio Series U.S. Government Sector Portfolio, PIMCO Multi-Sector Strategy Fund Ltd., PIMCO Offshore Funds - PIMCO Absolute Return Strategy IV Efund, PIMCO Variable Insurance Trust: PIMCO Global Advantage Strategy Bond Portfolio, PIMCO Variable Insurance Trust: PIMCO Global Bond Portfolio (Unhedged), PIMCO Variable Insurance Trust: PIMCO Low Duration Portfolio, CREF Bond Market Account, CREF Social Choice Account, TIAA Global Public Investments, MBS LLC, TIAA-CREF Bond Fund, TIAA-CREF Bond Plus Fund, TIAA-CREF Life Insurance Company, Prudential Bank & Trust, FSB, Prudential Retirement Insurance and Annuity Company, The Gibraltar Life Insurance Company, Ltd., The Prudential Series Fund, LIICA RE II, Inc., Monumental Life Insurance Company Modified Separate Account, Transamerica Life Insurance Company, Transamerica Premier Life Insurance Company, Kore

Advisors LP, and Sealink Funding Limited *vs.* Citibank N.A. (U.S. District Court, Southern District of New York, 14-cv-09373-JMF) Deposition.

35. **November 2016.** Jill Stein, Petitioner, *vs.* Wisconsin Elections Commission and Members of the Wisconsin Elections Commission, each and only in his or her official capacity: Mark L. Thomsen, Ann S. Jacobs, Beverly Gill, Julie M. Glancey, Steve King, and Don M. Millis, Respondents. (State of Wisconsin Circuit Court, Dane County, Judge Valerie Bailey-Rihn) Trial.

34. **October 2016.** Citizens Oversight, Inc., a Delaware non-profit corporation; and Raymond Lutz, an individual, *vs.* Michael Vu, San Diego Registrar of Voters; Helen N. Robbins-Meyer, San Diego County Chief Administrative Officer; County of San Diego, a public entity; and Does 10–10, Defendants. (Superior Court of California, County of San Diego–Central Division, 37-2016-00020273-CL-MC-CTL) Trial.

33. **July 2016**. Loc Vu-Quoc *vs.* University of Florida. (American Arbitration Association Case no. 01-15-0006-1052). Arbitration.

32. **July 2016**. Memorial University of Newfoundland Faculty Association *vs.* Memorial University of Newfoundland (Arbitration I15-07) Arbitration.

31. **June 2016**. Gasia Thomas, et al., *vs.* First Energy Corporation, et al. (Court Of Common Pleas, Cuyahoga County, Ohio, 13-CV-798520) Deposition.

30. **May 2016**. The Western and Southern Life Insurance Company, et al., *vs.* The Bank of New York Mellon. (Court Of Common Pleas, Hamilton County, Ohio, A1302490) Deposition.

29. **February 2016**. Palms Place, LLC, a Nevada limited liability company, *vs.* Kittrell Garlock & Associates, Architects, AIA, LTD. d/b/a KGA Architecture, a Nevada professional corporation; M.J. Dean Construction, LLC, a Nevada limited liability company; Does I through X; Roe Corporations I through X; and Roe LLC I through X, Defendants.

    M.J. Dean Construction, Inc., a Nevada corporation, Counterclaimant, *vs.* Palms Place, LLC, a Nevada limited liability company, Does I-X, Roe Corporations I-X, Boe Bonding Companies I-X, Loe Lenders I–X and Toe Tenants I-X, Counterdefendants.

    Kittrell Garlock & Associates, Architects, AIA, Ltd. d/b/a KGA Architecture, a Nevada professional corporation, Counterclaimant, *vs.* Palms Place, LLC, a Nevada limited liability company, and Toes I–XV, Counterdefendants.

    M.J. Dean Construction, Inc., a Nevada corporation, Third-Party Plaintiff, *vs.* Embassy Glass, Inc., a Nevada corporation; Zetian Systems, Inc., a Nevada corporation; Bombard Mechanical, LLC, a Limited Liability Company; Century Steel, Inc., a Nevada corporation; Pacific Custom Pools, Inc., a Nevada corporation; Superior Tile & Mechanical, Inc., a Nevada corporation; Mesa Mechanical, LLC, a Limited Liability Company; Dean Roofing Co., a Nevada Corporation; Does 1 through 50; Roe Corporations 1 through 50, Third-Party Defendants.

    Palms Place, LLC, a Nevada limited liability company, Cross-Claimant, *vs.* Embassy Glass, Inc., a Nevada corporation; Zetian Systems, Inc., a Nevada corporation; Does 1 through 50; Roe Corporations 1 through 50, Cross-Defendants. (Nevada District Court, Clark County, Nevada, A-11-645150-C) Deposition.

28. **September 2015**. Lavastone Capitol LLC *vs.* Coventry First LLC, LST I LLC, LST II LLC, LST Holdings LTD., Montgomery Capital, Inc., Alan Buerger, Reid Buerger, Constance Buerger, and Krista Lake. (U.S. District Court, Southern District of New York, 14-CV-07139 JSR) Trial.

27. **May 2015**. Lavastone Capitol LLC *vs.* Coventry First LLC, LST I LLC, LST II LLC, LST Holdings LTD., Montgomery Capital,

Inc., Alan Buerger, Reid Buerger, Constance Buerger, and Krista Lake. (U.S. District Court, Southern District of New York, 14-CV-07139 JSR) Deposition.

26. **April 2015**. Testimony before the California State Assembly Committee on Elections and Redistricting. Legislative hearing. `https://www.stat.berkeley.edu/~stark/Preprints/ab44-assembly-2015-4-15.htm`

25. **July 2014**. New Jersey Carpenters Health Fund, New Jersey Carpenters Vacation Fund, and Boilermaker Blacksmith National Pension Trust, on Behalf of Themselves and All Others Similarly Situated, *vs.* Residential Capital, LLC; Residential Funding, LLC; Residential Accredit Loans, Inc.; Bruce J. Paradis; Kenneth M. Duncan; Davee L. Olson; Ralph T. Flees; Lisa R. Lundsten; James G. Jones; David M. Bricker; James N. Young; Residential Funding Securities Corporation d/b/a GMAC RFC Securities; Goldman, Sachs & Co.; RBS Securities, Inc. f/k/a Greenwich Capital Markets, Inc. d/b/a RBS Greenwich Capital; Deutsche Bank Securities, Inc.; Citigroup Global Markets, Inc.; Credit Suisse Securities (USA) LLC; Bank of America Corporation as successor-in-interest to Merrill Lynch, Pierce, Fenner & Smith, Inc.; UBS Securities LLC; JPMorgan Chase & Co., Inc. as successor-in-interest to Bear, Stearns & Co., Inc.; and Morgan Stanley & Co., Inc. (U.S. District Court, Southern District of New York, Case 08-CV-8781 HB) Deposition.

24. **October 2013**. United States, the States of California, Delaware, Florida, Illinois, Indiana, Nevada, New Mexico, New York, and Tennessee, the Commonwealths Of Massachusetts and Virginia, and The District Of Columbia Ex Rel. John Hendrix, Plaintiffs, *vs.* J-M Manufacturing Company, Inc., d/b/a JM Eagle, a Delaware corporation, and Formosa Plastics Corporation, U.S.A., a Delaware corporation (U.S. District Court, Central District of California, Case ED CV 06-00055-GW) Trial.

23. **September 2013**. Tessera, Inc. *vs.* Advanced Micro Devices, Inc., a Delaware corporation; Spansion, LLC, a Delaware limited liability corporation; Spansion, Inc., a Delaware corporation; Spansion Technology, Inc., a Delaware corporation; Advanced Semiconductor Engineering, Inc., a Republic of China corporation; ASE (U.S.), Inc., a California corporation; ChipMOS Technologies, Inc., a Republic of China corporation; ChipMOS U.S.A., Inc., a California corporation; Siliconware Precision Industries Co., Ltd., a Republic of China corporation; Siliconware USA, Inc., a California corporation; STMicroelectronics N.V., a Netherlands corporation; STMicroelectronics, Inc., a Delaware corporation; STATS ChipPAC, Inc., a Delaware corporation; STATS ChipPAC (BVI), Inc., a British Virgin Islands company; STATS ChipPAC, Ltd., a Singapore company (U.S. District Court, Northern District of California, Case C 05-04063 CW) Deposition.

22. **July 2013**. United States, the States Of California, Delaware, Florida, Illinois, Indiana, Nevada, New Mexico, New York, and Tennessee, the Commonwealths Of Massachusetts And Virginia, and The District Of Columbia Ex Rel. John Hendrix, Plaintiffs, *vs.* J-M Manufacturing Company, Inc., d/b/a JM Eagle, a Delaware corporation, and Formosa Plastics Corporation, U.S.A., a Delaware corporation (U.S. District Court, Central District of California, Case ED CV 06-00055-GW) Deposition.

21. **June 2013**. Free Speech Coalition, Inc., American Society Of Media Photographers, Inc.; Michael Barone; David Conners a/k/a Dave Cummings; Thomas Hymes; Townsend Enterprises, Inc. d/b/a Sinclair Institute; C1R Distribution, LLC d/b/a Channel 1 Releasing; Barbara Alper; Carol Queen; Barbara Nitke; David Steinberg; Marie L. Levine a/k/a Nina Hartley; Dave Levingston; Betty Dodson; Carlin Ross *vs.* Eric H. Holder, Jr., Attorney General of the United States (U.S. District Court, Eastern District of Pennsylvania, Case 2:09–4607 MMB) Trial.

20. **October 2011**. Jonathan Buckheit *vs.* Tony Dennis, Dean Devlugt, Town of Atherton, County of San Mateo, Anthony Kockler and Jerry

Carlson (U.S. District Court, Northern District of California, Case CV09-5000 JCS) Deposition.

19. **June 2010**. Testimony before California State Senate Committee on Elections, Reapportionment and Constitutional Amendments. Legislative hearing. `https://www.stat.berkeley.edu/~stark/Preprints/ab2023-senate-15-6-10.htm`

18. **April 2010**. Testimony before California State Assembly Committee on Elections and Redistricting. Legislative hearing. `https://www.stat.berkeley.edu/~stark/Preprints/ab2023-assembly-20-4-10.htm`

17. **March 2010**. Suzan Sharpley and Robert Abeling *vs.* William Long; Novato Sanitary District; Elaine Ginnold, Marin County Registrar of Voters; Does 1–10. (State of California Superior Court, County of Marin, Case CIV 096368) Trial.

16. **January 2010**. Kastanos et al. *vs.* Central Concrete Supply Co., Inc. (State of California Superior Court, County of Alameda, Lead Case No. HG 07-319366) Trial.

15. **June 2009**. Star Scientific, Inc., *vs.* R.J. Reynolds Tobacco Company, et al. (U.S. District Court, Maryland District, Northern Division, Case Nos. MJG-01 1504 and MJG-02 2504) Trial.

14. **May 2009**. Star Scientific, Inc., *vs.* R.J. Reynolds Tobacco Company, et al. (U.S. District Court, Maryland District, Northern Division, Case Nos. MJG-01 1504 and MJG-02 2504) Deposition.

13. **July 2008**. Coordination Proceeding Special Title (Rule 1550(b)) Cellphone Termination Fee Cases (State of California Superior Court,

County of Alameda, Case 4332) Deposition.

12. **April 2008**. Coordination Proceeding Special Title (Rule 1550(b)) Cellphone Termination Fee Cases (State of California Superior Court, County of Alameda, Case 4332) Deposition.

11. **August 2007**. Self-Insurers' Security Fund *vs.* Gallagher Bassett Services, Inc. (U.S. District Court, Northern District of California, Case No. C 06-02828 JSW) Deposition.

10. **March 2007**. Peter Wachtell *vs.* Capital One Financial Corporation and Capital One Services, Inc. (U.S. District Court, District of Idaho, Case No. CIV03-267-S-MHW) Deposition.

9. **November 2006**. Coordination Proceeding Special Title (Rule 1550(b)) Cellphone Termination Fee Cases (State of California Superior Court, County of Alameda, Case 4332) Deposition.

8. **November 2006**. ACLU *vs.* Gonzales (U.S. District Court, Eastern District of Pennsylvania, Civil Action No. 98-5591) Trial.

7. **August 2006**. ACLU *vs.* Gonzales (U.S. District Court, Eastern District of Pennsylvania, Civil Action No. 98-5591) Deposition.

6. **December 2004**. Star Scientific, Inc., *vs.* R.J. Reynolds Tobacco Company, et al. (U.S. District Court, Maryland District, Northern Division, Case Nos. MJG-01 1504 and MJG-02 2504) Trial.

5. **December 2003**. Richison et al. *vs.* American Cemwood Corporation (State of California Superior Court, San Joaquin County, Case No. 005532) Trial.

4. **December 2003**. Pacific Gas and Electric Co. *vs.* City and County of San Francisco (U.S. District Court, Northern District of California, Case No. C99-2071 VRW) Deposition.

3. **May 2003**. Richison et al. *vs.* American Cemwood Corporation (State of California Superior Court, San Joaquin County, Case No. 005532) Deposition.

2. **May 1998**. Testimony before the U.S. House of Representatives Subcommittee on the Census. Legislative hearing.

1. **1997**. Testimony before the State of California Senate Committee on Natural Resources. Legislative hearing.

`https://www.stat.berkeley.edu/~stark/bio.pdf`
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