

## James G. Scott

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### Academic appointments

UNIVERSITY OF TEXAS AT AUSTIN (2009–PRESENT)

Department Chair, August 2025 – present  
Department of Statistics and Data Sciences

Professor, September 2019 – present  
Department of Information, Risk, and Operations Management  
Department of Statistics and Data Sciences

Associate Professor, September 2015 – August 2019  
Department of Information, Risk, and Operations Management  
Department of Statistics and Data Sciences

Assistant Professor, July 2009 – August 2015

### Education

DUKE UNIVERSITY  
Ph.D. in Statistics, 2009  
Thesis: Bayesian Adjustment for Multiplicity  
Advisor: James O. Berger

UNIVERSITY OF CAMBRIDGE (TRINITY COLLEGE)  
M.A.St in Mathematics (Part III), 2005  
Undertaken while holding a Marshall Scholarship

UNIVERSITY OF TEXAS AT AUSTIN  
B.S. in Mathematics and Plan II Honors, 2004

### External funding

[Co-PI]: “Understanding people’s experiences with remote provision of medication abortion.” With Co-PI Abigail Aiken, Society of Family Planning, 2025-2028.

[Co-I]: “Project SANA.” Hewlett Foundation, with PI Abigail Aiken, 2022-25

[Co-I]: “Accelerating viral outbreak detection in US cities using mechanistic models, machine learning and diverse geospatial data sources.” National Institutes of Health R01, With PI Lauren Meyers, February 2020-Jan 2025 (1 summer month years 1-5)

[Co-PI] “Project SANA: The Self-Managed Abortion Needs Assessment Project,” with PI Abigail Aiken. Society of Family Planning, September 2018 – August 2024. (1 summer months each year, Total award amount \$1.91M)

[Co-PI] “NIH T32 Training Grant in Biomedical Big Data,” with Co-PIs Lauren Meyers and Inderjit Dhillon. National Institutes of Health, September 2016 – August 2021.

(Supports 5 PhD students per year. Stipends set yearly by the NIH; average annual total \$188,000 years 1-2.)

[PI] “CAREER: Bringing richly structured Bayesian models into the discrete-data realm via new data-augmentation theory and algorithms.” National Science Foundation (DMS), July 2013 – August 2018. (Total award amount: \$400,000)

[Co-I] Bayesian Approaches For Missing Data And Causal Inference In Cancer And Behavioral Studies, with PI Mike Daniels. National Institutes of Health, February 2014–February 2018. (0.5 summer months years 1-4, Total award amount \$1.135M)

[Co-I] “Augmentation and Use of BioSense 2.0 for Early Detection and Surveillance of Emerging Infectious Diseases and Biological Threats,” with PI Lauren Meyers. Contract with Texas Department of State Health Services, Sept 2012 – Aug 2013. (0.5 summer month, total award amount: \$143,000)

[Co-I] “Decision-Support Tool for Pandemic Flu Vaccination Strategies and Priorities,” with PIs Lauren Meyers and David Morton and co-PI Gregory Johnson. Contract with Texas Department of State Health Services, Sept 2012 – Aug 2013. (1 summer month, total award amount: \$198,000)

## Books

*AIQ: How People and Machines are Smarter Together*. N. Polson and J. Scott. St. Martin’s Press (Macmillan), 2018.

Included on “Top 100 Summer Reads of 2018” (*Sunday Times*); “Top 10 Business Books of 2018” (*Strategy + Business*)

“Entertaining and persuasive. The book’s goal is to explain how artificial intelligence delivers its incredible results, and Polson and Scott are like a pair of excitable mechanics lifting up the bonnet of a sports car. This is a passionate book, and it is a model of how to make data science accessible and exciting.” —The Sunday Times (UK)

“Grounding AI in tried-and-true methods makes it seem less alien: Computers are simply faster ways to solve familiar problems. Hence the book’s title, a portmanteau of AI and IQ—the point being that we need both.” —Wall Street Journal

*Data Science: A Gentle Introduction*. A free introductory textbook on statistical modeling, available on my website:

[https://jgscott.github.io/STA371H\\_Spring2018/files/DataScience.pdf](https://jgscott.github.io/STA371H_Spring2018/files/DataScience.pdf)

## Pre-prints and papers under review

The surprising strength of weak classifiers for validating neural posterior estimates. Vansh Bansal, Tianyu Chen, and James G. Scott. Under review at *ICML*, 2026.

The supply of pill packs for self-managed abortion increased substantially after the US Supreme Court eliminated the constitutional right to choose abortion. Abigail RA Aiken, Elisa S Wells, Rebecca Gomperts, James G Scott. University of Texas at Austin Population Research Center technical report (2024).

Self-managed, but not alone: the healthcare needs of self-managed medication abortion uses. E Sully, I DoCampo, S Cech, A Aiken, J Scott. *Contraception*, Volume 139, 110610,

2024

## Peer-reviewed articles

[\[Google Scholar page\]](#)

Score-Guided Proximal Projection: A Unified Geometric Framework for Rectified Flow Editing. V Bansal, and JG Scott. *International Conference on Learning Representations (ICLR) DeLTA Workshop*, 2026.

CoLT: The conditional localization test for assessing the accuracy of neural posterior estimates. T Chen, V Bansal, and JG Scott. *Advances in Neural Information Processing Systems (NeurIPS) 2025 (spotlight paper, 3% of submissions)*

Provision of Abortion Medications Using Online Asynchronous Telemedicine Under Shield Laws in the United States. Abigail Aiken, Rebecca Gomperts, and James G. Scott. Accepted in *Journal of the American Medical Association* (2025).

Conditional diffusions for amortized neural posterior estimation. Tianyu Chen, Vansh Bansal, and James Scott. *Proceedings of The 28th International Conference on Artificial Intelligence and Statistics*, PMLR 258:2377-2385, 2025.

Provision of medications for self-managed abortion before and after the Dobbs v Jackson Women's Health Organization decision. Abigail Aiken, Elisa Wells, and James Scott. *Journal of the American Medical Association* 331 (18), 1558-1564 (2024)

Quantifying the relationship between US residential mobility and fire service call volume. Juliette I Franqueville, James G Scott, Ofodike A Ezekoye. *International Journal of Emergency Services*, to appear, 2024.

Weather2vec: Representation Learning for Causal Inference with Non-Local Confounding in Air Pollution and Climate Studies M Tec, J Scott, C Zigler. *Proceedings of the AAAI Conference on Artificial Intelligence*, 37(12), 2023.

Factors Associated With Knowledge and Experience of Self-managed Abortion Among Patients Seeking Care at 49 US Abortion Clinics. Abigail RA Aiken, Luisa Alejandra Tello-Pérez, Melissa Madera, Jennifer E Starling, Dana M Johnson, Kathleen Broussard, Elisa Padron, Carol Armelle Ze-Noah, Aleta Baldwin, James G Scott. *JAMA Network Open*, 6(4) 2023.

Requests for self-managed medication abortion provided using online telemedicine in 30 US states before and after the Dobbs v Jackson Women's Health Organization decision. ARA Aiken, JE Starling, JG Scott, R Gomperts. *Journal of the American Medical Association* 328 (17), 1768-1770 (2022)

Real-time pandemic surveillance using hospital admissions and mobility data. S J Fox, M Lachmann, M Tec, T Pasco, S Woody, Z Du, X Wang, T Ingle, E Javan, M Dahan, K Gaither M Escott, S. Clay Johnston, JG Scott, LA Meyers. *Proceedings of the National Academy of Sciences* 119 (7), 2022.

Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US. EY Cramer, VK Lopez, J Niemi, GE George, JC Cegan, ID Dettwiller, JG Scott, et al. *Proceedings of the National Academy of Sciences* 119 (15), 2022

Association of Texas Senate Bill 8 With Requests for Self-managed Medication Abortion.

ARA Aiken, JE Starling, JG Scott, R Gomperts. JAMA Network Open 5 (2), e221122-e221122 (2022).

Evaluation of e-scooters as transit last-mile solution. N Zuniga-Garcia, M Tec, JG Scott, RB Machemehl. Transportation Research Part C: Emerging Technologies 139 (2022).

Targeted Smooth Bayesian Causal Forests: An analysis of heterogeneous treatment effects for simultaneous vs. interval medical abortion regimens over gestation. JE Starling, JS Murray, PA Lohr, ARA Aiken, CM Carvalho, JG Scott. The Annals of Applied Statistics 15 (3), 1194-1219 (2021)

Optimal post-selection inference for sparse signals: a nonparametric empirical-Bayes approach. S. Woody and J.G. Scott. Biometrika (2021).

Combining spatial and sociodemographic regression techniques to predict residential fire counts at the census tract level. T Buffington, JG Scott, OA Ezekoye. Computers, Environment and Urban Systems 88, 1016-33 (2021).

Demand for self-managed online telemedicine abortion in eight European countries during the COVID-19 pandemic: a regression discontinuity analysis. ARA Aiken, JE Starling, R Gomperts, JG Scott, CE Aiken. BMJ Sexual & Reproductive Health 47:238-245 (2021).

ARA Aiken, JE Starling, R Gomperts, M Tec, JG Scott, CE Aiken. Demand for Self-Managed Online Telemedicine Abortion in the United States During the Coronavirus Disease 2019 (COVID-19) Pandemic. *Obstetrics and Gynecology* 136 (4), 835 (2020).

SV Scarpino, JG Scott, RM Eggo, B Clements, NB Dimitrov, LA Meyers. Socioeconomic bias in influenza surveillance. *PLoS Computational Biology* 16:7 (2020)

Relative impact of pre-eclampsia on birth weight in a low resource setting: a prospective cohort study. Annetee Nakimuli, Jennifer E Starling, Sarah Nakubulwa, Imelda Namagembe, Musa Sekikubo, Eve Nakabembe, James G Scott, Ashley Moffett, Catherine E Aiken. Relative impact of pre-eclampsia on birth weight in a low resource setting: a prospective cohort study. *Pregnancy Hypertension* (2020)

ARA Aiken, K Broussard, DM Johnson, E Padron, JE Starling, JG Scott. Knowledge, interest, and motivations surrounding self-managed medication abortion among patients at three Texas clinics. *American Journal of Obstetrics and Gynecology* (2020)

Abigail RA Aiken, Jennifer E Starling, Alexandra van der Wal, Sascha van der Vliet, Kathleen Broussard, Dana M Johnson, Elisa Padron, Rebecca Gomperts, James G Scott. Demand for self-managed medication abortion through an online telemedicine Service in the United States. *American Journal of Public Health* 110 (1), 90-97 (2020).

J.E. Starling, J. Murray, C. Carvalho, R. Bukowski, and J.G. Scott. BART with Targeted Smoothing: An analysis of patient-specific stillbirth risk. *Annals of Applied Statistics* 14 (1), 28-50 (2020)

N Zuniga-Garcia, M Tec, JG Scott, N Ruiz-Juri, RB Machemehl. Evaluation of ride-sourcing search frictions and driver productivity: A spatial denoising approach. *Transportation Research Part C: Emerging Technologies* 110, 346-367 (2020)

A Rowley, E Dyer, JG Scott, CE Aiken. Could masking gestational age estimation during scanning improve detection of small-for-gestational-age fetuses? A controlled pre/post evaluation. *American Journal of Obstetrics and Gynecology MFM* 1(3) (2019)

- O.H.M Padilla, A. Athey, A Reinhart, JG Scott. Sequential nonparametric tests for a change in distribution: an application to detecting radiological anomalies. *Journal of the American Statistical Association* 114 (526), 514-528 (2019).
- O.H.M. Padilla, J.G. Scott, J. Sharpnack, R.J. Tibshirani. The DFS Fused Lasso: Linear-Time Denoising over General Graphs. arXiv:1608.03384. *Journal of Machine Learning Research* 18: 1-36 (2018).
- W. Tansey, O. Koyejo, R. Poldrack, and James G. Scott. False discovery rate smoothing. *Journal of the American Statistical Association* 113 (523), 1156-1171 (2018).
- P. Lohr, J. Starling, J.G. Scott, A. Aiken. Simultaneous versus interval medical abortion regimens where home-use is restricted: a cohort study. *Obstetrics and Gynecology* 131(4):635-41 (2018).
- W Tansey, K Pichotta, JG Scott. Leaf-Smoothed Hierarchical Softmax for Ordinal Prediction. *The Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)*, 2018.
- W Tansey, J Thomason, JG Scott. Maximum-Variance Total Variation Denoising for Interpretable Spatial Smoothing. *The Thirty-Second AAAI Conference on Artificial Intelligence (AAAI-18)*, 2018.
- O.M. Padilla, N.G. Polson and J.G. Scott. A deconvolution path for mixtures. *Electronic Journal of Statistics* 12 (1), 1717-51 (2018).
- W. Tansey, A. Athey, A. Reinhart, and James G. Scott. Multiscale spatial density smoothing: an application to large-scale radiological survey and anomaly detection. *Journal of the American Statistical Association* 112(519): 1047-63 (2017).
- O. Madrid Padilla and James G. Scott. Tensor decomposition with generalized lasso penalties. *Journal of Computational and Graphical Statistics* 26(3): 537-46 (2017).
- M. Zhou, James G. Scott, and O. Madrid Padilla. Priors for Random Count Matrices Derived from a Family of Negative Binomial Processes. *Journal of the American Statistical Association (Theory and Methods)* 111(515): 1144-56 (2016).
- ARA Aiken, JG Scott, R Gomperts, J Trussell, M Worrell, CE Aiken. Requests for abortion in Latin America related to concern about Zika virus exposure. *New England Journal of Medicine* 375 (4), 396-398 (2016).
- S.V. Scarpino, J.G. Scott, R. Eggo, N.B. Dimitrov, and L.A. Meyers. Data Blindspots: High-Tech Disease Surveillance Misses the Poor. *Online Journal of Public Health Informatics* 8:1, (2016).
- RM Eggo, JG Scott, AP Galvani, LA Meyers. Respiratory virus transmission dynamics determine timing of asthma exacerbation peaks: Evidence from a population-level model. *Proceedings of the National Academy of Sciences* 113 (8), 2194-2199 (2016).
- C Aiken, AR Aiken, JG Scott, JC Brockelsby. The influence of hours worked prior to delivery on maternal and fetal outcomes. *American Journal of Obstetrics & Gynecology* 215(5):634 (2016).
- P Buddhavarapu, JG Scott, JA Prozzi. Modeling unobserved heterogeneity using finite mixture random parameters for spatially correlated discrete count data. *Transportation Research Part B: Methodological* 91, 492-510 (2016).

- A. Aiken and James G. Scott. Family Planning Policy in the United States: The Converging Politics of Abortion and Contraception. *Contraception* 93(5): 412–20, 2016.
- CE Aiken, AR Aiken, JG Scott, JC Brockelsby, J Trussell. Weekend working: a retrospective cohort study of maternal and neonatal outcomes in a large NHS delivery unit. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 199, 5-10 (2016).
- N. Polson and James G. Scott. Mixtures, envelopes, and hierarchical duality. *Journal of the Royal Statistical Society, Series B. Volume 78(4)*, pp 701-27 (2016).
- W. Tansey and James G. Scott. Diet2Vec: Multi-scale analysis of massive dietary data. *Neural Information Processing Systems, Workshop on Machine Learning for Health (NIPS ML4HC)*, 2016.
- J.G. Scott, T. Shively and S. Walker. Nonparametric Bayesian testing for monotonicity. *Biometrika* 102(3), 617-30 (2015).
- N. Polson, James G. Scott, and B. Willard. Proximal algorithms in statistics and machine learning. *Statistical Science* 30(4): 559–71 (2015).
- SW Davies, SV Scarpino, T Pongwarin, J Scott, MV Matz. Estimating Trait Heritability in Highly Fecund Species. *G3: Genes— Genomes— Genetics* 5 (12), 2639–45, 2015.
- James G. Scott, R. Kelly, M. Smith, P. Zhou, and R. Kass. False discovery rate regression: an application to neural synchrony detection in primary visual cortex. *Journal of the American Statistical Association* 110 (510): 459-471, 2015.
- A. Aiken, C. Aiken, M. Alberry, J. Brocklesby, and James G. Scott. Management of Fetal Malposition in the Second Stage of Labor: A Propensity Score Analysis. *American Journal of Obstetrics and Gynecology* 212: 3, p. 355, 2015.
- Nicholas G. Polson, James G. Scott, and J. Windle. The Bayesian bridge. *Journal of the Royal Statistical Society, Series B: Statistical Methodology* 76:4 (713–33), 2014.
- C.E. Aiken, A.R. Aiken, J.C. Brockelsby, and James G. Scott. Factors influencing the likelihood of instrumental delivery success. *Obstetrics and Gynecology*, 123(4):796–803, 2014.
- Nicholas G. Polson, James G. Scott, and Jesse Windle. Bayesian inference for logistic models using Polya-Gamma latent variables. *Journal of the American Statistical Association*, 108(504):1339–49, 2013.
- Mikhail V. Matz, Rachel M. Wright, and James G. Scott. No control genes required: Bayesian analysis of qrt-pcr data. *PLOS One*, 8(8), 2013.
- Nicholas G. Polson and James G. Scott. Data augmentation for non-Gaussian regression models using variance-mean mixtures. *Biometrika*, 100(2):459–71, 2013.
- James G. Scott and Jason Baldrige. A recursive estimate for the predictive likelihood in a topic model. In *Proceedings of the 16th International Conference on Artificial Intelligence and Statistics (AISTATS)*, 2013.
- J.W. Pillow and James G. Scott. Fully bayesian inference for neural models with negative-binomial spiking. In *Advances in Neural Information Processing Systems (NIPS)*, volume 25, 2012.

- Nicholas G. Polson and James G. Scott. Local shrinkage rules, Lévy processes, and regularized regression. *Journal of the Royal Statistical Society (Series B)*, 74(2):287–311, 2012.
- P.R. Hahn, Carlos M. Carvalho, and James G. Scott. A sparse factor-analytic probit model for Congressional voting patterns. *Journal of the Royal Statistical Society, Series C*, 61(4):619–35, 2012.
- Nicholas G. Polson and James G. Scott. Good, great, or lucky? Screening for firms with sustained superior performance using heavy-tailed priors. *The Annals of Applied Statistics*, 6(1):161–85, 2012.
- James G. Scott. Benchmarking historical corporate performance. *Computational Statistics & Data Analysis*, 56(6):1795–1807, 2012.
- Nicholas G. Polson and James G. Scott. On the half-Cauchy prior for a global scale parameter. *Bayesian Analysis*, 7(4):887–902, 2012.
- James G. Scott. Bayesian estimation of intensity surfaces on the sphere via needlet shrinkage and selection. *Bayesian Analysis*, 6(2):307–28, 2011.
- James G. Scott and James O. Berger. Bayes and empirical-Bayes multiplicity adjustment in the variable-selection problem. *The Annals of Statistics*, 38(5):2587–2619, 2010.
- Carlos M. Carvalho, Nicholas G. Polson, and James G. Scott. The horseshoe estimator for sparse signals. *Biometrika*, 97(2):465–80, 2010.
- Carlos M. Carvalho and James G. Scott. Objective Bayesian model selection in Gaussian graphical models. *Biometrika*, 96(3):497–512, 2009.
- Carlos M. Carvalho, Nicholas G. Polson, and James G. Scott. Handling sparsity via the horseshoe. *Journal of Machine Learning Research: Workshops and Case Proceedings*, 5:73–80, 2009.
- James G. Scott. Nonparametric Bayesian multiple testing for longitudinal performance stratification. *The Annals of Applied Statistics*, 3(4):1655–74, 2009.
- James G. Scott and Carlos M. Carvalho. Feature-inclusion stochastic search for Gaussian graphical models. *Journal of Computational and Graphical Statistics*, 17(790–808), 2008.
- Ted von Hippel, William H. Jefferys, James Scott, Nathan Stein, D. E. Winget, Steven DeGennaro, Albert Dam, and Elizabeth Jeffery. Inverting color-magnitude diagrams to access precise star cluster parameters: a Bayesian approach. *The Astrophysical Journal*, (645):1436–47, 2006.
- James G. Scott and James O. Berger. An exploration of aspects of Bayesian multiple testing. *Journal of Statistical Planning and Inference*, 136(7):2144–2162, 2006.

### **Book chapters (non-peer-reviewed)**

- Nicholas G. Polson and James G. Scott. Shrink globally, act locally: sparse Bayesian regularization and prediction (with discussion). In J. M. Bernardo, M. J. Bayarri, J. O. Berger, A. P. Dawid, D. Heckerman, A. F. M. Smith, and M. West, editors, *Proceedings of the 9th Valencia World Meeting on Bayesian Statistics*, pages 501–38. Oxford University Press, 2011.

Matthew J. Heaton and James G. Scott. Bayesian computation and the linear model. In Ming-Hui Chen, Dipak Dey, Peter Mueller, Dongchu Sun, and Keying Ye, editors, *Frontiers of Statistical Decision Making and Bayesian Analysis*. Springer, 2010.

Z. Liu, J. Windle, and James G. Scott. The partition problem: case studies in Bayesian screening for time-varying model structure (with ). arXiv:1111.0617v1 [stat.AP]. *Bayesian Theory and Applications: Essays in Honor of Adrian Smith*. Oxford University Press (2012).

J.M. Quintana, C.M. Carvalho, James G. Scott and T. Costigliola. Bayesian forecasting, futures markets, and risk modelling. *Handbook of Applied Bayesian Analysis*. Edited by Anthony O’Hagan and Mike West. Oxford University Press (2010).

### **Other academic publications (non-peer-reviewed)**

James G. Scott. Invited discussion of “Inference in two-piece location-scale models with Jeffreys priors.” *Bayesian Analysis* 9(1): 25–8 (2014). (Role: discussant)

T. von Hippel, W. Jefferys, D. Winget, and James G. Scott. 14th European Workshop on White Dwarfs, ASP Conference Series, Vol. 334, p.77–80. Edited by D. Koester and S. Moehler. San Francisco: Astronomical Society of the Pacific (2005)

### **Teaching**

STA 301: a first course for undergraduate business majors on data science and statistical modeling. Fall 2020.

STA 371: a course for undergraduate business majors on statistical modeling, regression, probability and decision-making. Spring 2010; Spring 2011, Spring 2012, Spring 2014–18.

SDS 385: statistical models for big data, for Ph.D students. Fall 2016, Fall 2017.

SDS 383D: applied statistical modeling, with a focus on Bayesian hierarchical models, for Ph.D students. Spring 2013, Spring 2014, Spring 2015, Spring 2017, Spring 2019

SDS 325H: a course on probability and statistical modeling for honors undergraduates in all disciplines. Spring 2012, Spring 2013, Spring 2015.

NSC 110: a seminar on research methods for freshmen honors students in natural sciences. I taught this course on an off-load, volunteer basis. Fall 2010; Fall 2011; Fall 2012.; Fall 2013, Spring 2019.

### **Fellowships and awards: national and international**

Bayarri Award (2016). Awarded for early-career research achievements to a Bayesian statistician under 35 years old by the International Society for Bayesian Analysis.

NSF CAREER Award (2013).

Savage Award (2010): one award is given each year by the International Society of Bayesian Analysis for a doctoral dissertation that makes important original contributions to the foundations, theoretical developments, and/or general methodology of Bayesian analysis.

National Science Foundation Graduate Research Fellowship, 2006–2009

Marshall Scholarship, 2004–2006

### **Fellowships and awards: university**

BBA Faculty Honor Roll (teaching award given by students) (2017).

McCombs School of Business Award for Research Excellence (2017).

CBA Foundation Research Award for Assistant Professors (2014).

UT System Regents' Outstanding Teaching Award (2014).

Trammell/CBA Foundation Teaching Award for Assistant Professors (2013).

Teaching Excellence Award in the College of Natural Sciences (2012).

University of Texas Junior Fellow in British Studies (2012-present)

### **University service**

Chair of the Undergraduate Major Development Committee, Statistics and Data Science

Director of T32 Training Grant in Biomedical Data Science (NIH)

College committee on the future of quantitative education in the McCombs School of Business

Assistant Director of Undergraduate Studies, Department of Statistics and Data Sciences, 2012–2017.

University Selection Committee for Rhodes and Marshall Scholarships

Steering Committee for the Dean's Scholars Honors Program in the Natural Sciences

Chaired or served on several hiring committee in statistics and IROM departments.

Campus Conversation Committee on measurement and evaluation of teaching effectiveness, 2015.

Dean's committee on the future of math and science undergraduate education (CNS curriculum), 2016.

Board of Directors, Texas Exes Scholarship Foundation, 2009–2013. The board oversees all scholarship programs run by the university's alumni association, including investments, fund-raising, and selection of scholarship recipients. We disbursed over \$2.1 million in scholarships to UT students in 2012.

Selection Committee for the UT Forty Acres Scholarship, 2010–12

Mathematics Undergraduate Program Review Committee, 2011–2012. I served as the McCombs representative to a committee whose goal is to review the undergraduate mathematics curriculum, particularly the calculus sequence, for all non-mathematics majors at UT–Austin.

Undergraduate Curriculum Committee for the Division of Statistics and Scientific Computing, 2011–2012. Oversaw development of an undergraduate Certificate in Applied Data Analysis.

Ph.D Curriculum Planning Committee, Statistics and Scientific Computation,

## Professional service

Associate Editor for: *The Annals of Applied Statistics* (2011–), *Journal of Computational and Graphical Statistics* (2017–)

Treasurer of the Objective Bayes section of ISBA (2012-14).

Referee for: *Journal of the Royal Statistical Society*; *Journal of the American Statistical Association*; *Biometrika*; *AISTATS*, *NIPS*, *Journal of Econometrics*; *Annals of Applied Statistics*; *Biometrics*; *Biostatistics*; *Electronic Journal of Statistics*; *Bayesian Analysis*; *Journal of Business and Economic Statistics*; *Journal of the Indian Statistical Association*; *The Scandinavian Journal of Statistics*; *Computational Statistics and Data Analysis*; *Communications in Statistics*; *Transportation Research*; *The Astrophysical Journal*; *Contraception*, others.

## Consulting Clients

Reverse chronological order

Ewell, Brown, Blanke, Knight (Austin, TX)

statistical consulting on a civil lawsuit in the energy and telecommunications industries

Agile Therapeutics (Princeton, NJ)

statistical consulting on data from clinical trials of contraceptive patch

Frost Bank (San Antonio, TX)

consulting on the use of machine learning in the retail banking industry

Evoform (San Diego, CA)

statistical consulting on data from clinical trials of contraceptive gel

FashionMetrics (Austin, TX)

consulting on the use of machine learning in front-end operations for online clothing retailers

Anonymous semiconductor manufacturer (USA)

statistical consulting on a civil lawsuit regarding IP in semiconductor manufacturing

People Pattern (Austin, TX)

statistical consulting on issues relating to digital marketing

Build-a-Sign (Austin, TX)

machine learning in search engine optimization for an online retailer

Deloitte Consulting (San Francisco, CA)

statistical consulting on issues relating to longitudinal stratification and testing of historical corporate performance

Bayesian Efficient Strategic Training (Hoboken, NJ)

statistical consulting on issues relating to nonlinear regression and covariance modeling in portfolio-allocation problems