


Trevor Hastie

John A. Overdeck Professor, Professor of Statistics and of Biomedical Data Sciences

 NIH Biosketch available Online

 Resume available Online

Bio

ACADEMIC APPOINTMENTS

- Professor, Statistics
- Professor, Biomedical Data Science
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Institute for Computational and Mathematical Engineering (ICME)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Statistics, (2006-2009)

HONORS AND AWARDS

- Fellow, Royal Statistical Society (1979)
- Fellow, Institute of Mathematical Statistics (1996)
- Elected Member, International Statistics Institute (1994)
- Fellow, American Statistical Association (1998)
- Craig Award, University of Iowa (1996)
- Myrto Lefkopolou award, Harvard School of Public Health (1996)
- Fellow, South African Statistical Association (2011)
- The Emmanuel and Carol Parzen prize for Statistical Innovation, Texas A&M University. (2014)
- Bernard G. Greenberg distinguished lecturer, Department of Biostatistics, University of North Carolina (2013)

PROFESSIONAL EDUCATION

- Ph.D., Stanford University , Statistics (1984)
- M.Sc, University of Cape Town , Statistics (1979)
- B.Sc (hons), Rhodes University , Statistics (1976)

LINKS

- Personal Web site: <http://www.stanford.edu/~hastie>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Trevor Hastie specializes in applied statistical modeling, and he has written five books in this area:

"Generalized Additive Models" (with R. Tibshirani, Chapman and Hall, 1991), "Elements of Statistical Learning (second edition)"

(with R. Tibshirani and J. Friedman, Springer 2009),

"An Introduction to Statistical Learning" (with G. James, D. Witten and R. Tibshirani, Springer 2013),

"Statistical Learning with Sparsity" (with R. Tibshirani and M. Wainwright, CRC Press 2015)

and "Computer Age Statistical Inference" (with B. Efron, Cambridge, 2016). He has also made contributions in

statistical computing, co-editing (with J. Chambers) a large software

library on modeling tools in the S language used in the R computing environment

("Statistical Models in S", Wadsworth, 1992). His current research

focuses on applied problems in biology and genomics, medicine and

industry, in particular data modeling, prediction and classification

problems.

Teaching

COURSES

2019-20

- Applied Multivariate Analysis: STATS 206 (Win)
- Modern Applied Statistics: Learning: STATS 315A (Win)

2018-19

- Introduction to Statistical Learning: STATS 216 (Win)
- Modern Applied Statistics: Learning: STATS 315A (Win)

2017-18

- Introduction to Statistical Learning: STATS 216V (Sum)
- Methods for Applied Statistics II: Applied Multivariate Statistics: STATS 305C (Spr)

2016-17

- Introduction to Statistical Learning: STATS 216V (Sum)
- Modern Applied Statistics: Learning: STATS 315A (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Rina Friedberg, Lichy Han, Katherine Holsteen, Evan Patterson

Doctoral Dissertation Advisor (AC)

ZIJUN GAO, Junyang Qian, Elena Tuzhilina

Doctoral Dissertation Co-Advisor (AC)

Liz Chin, Swarnadip Ghosh

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)

Publications

PUBLICATIONS

- **Learning Interactions via Hierarchical Group-Lasso Regularization** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Lim, M., Hastie, T.
2015; 24 (3): 627-654
- **Bias correction in species distribution models: pooling survey and collection data for multiple species** *METHODS IN ECOLOGY AND EVOLUTION*
Fithian, W., Elith, J., Hastie, T., Keith, D. A.
2015; 6 (4): 424-438
- **Learning the Structure of Mixed Graphical Models** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Lee, J. D., Hastie, T. J.
2015; 24 (1): 230-253
- **Statistical Learning with Sparsity: The Lasso and Generalizations**
Hastie, T., Tibshirani, R., Wainwright, M.
CRC Press.2015
- **An Introduction to Statistical Learning, with Applications in R** *Springer Texts in Statistics*
James, G., Witten, D., Hastie, T. J., Tibshirani, R.
Springer.2013
- **Elements of Statistical Learning: datamining, inference, and prediction (second edition)** *Springer*
T. Hastie, R. Tibshirani, J. Friedman
2009
- **PATHWISE COORDINATE OPTIMIZATION** *ANNALS OF APPLIED STATISTICS*
Friedman, J., Hastie, T., Hoefling, H., Tibshirani, R.
2007; 1 (2): 302-332
- **Regularization and variable selection via the elastic net** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Zou, H., Hastie, T.
2005; 67: 301-320
- **The entire regularization path for the support vector machine** *JOURNAL OF MACHINE LEARNING RESEARCH*
Hastie, T., Rosset, S., Tibshirani, R., Zhu, J.
2004; 5: 1391-1415
- **Boosting as a regularized path to a maximum margin classifier** *JOURNAL OF MACHINE LEARNING RESEARCH*
Rosset, S., Ji, Z., Hastie, T.
2004; 5: 941-973
- **Least angle regression** *ANNALS OF STATISTICS*
Efron, B., Hastie, T., Johnstone, I., Tibshirani, R.
2004; 32 (2): 407-451
- **Bayesian backfitting - Comments and rejoinder** *STATISTICAL SCIENCE*
Cook, R. D., Pardoe, L., Gelfand, A. E., Green, P. J., Hastie, T., Tibshirani, R.
2000; 15 (3): 213-223
- **Additive logistic regression: A statistical view of boosting** *ANNALS OF STATISTICS*
Friedman, J., Hastie, T., Tibshirani, R.

2000; 28 (2): 337-374

- **Discriminant analysis by Gaussian mixtures** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-METHODOLOGICAL*
Hastie, T., Tibshirani, R.
1996; 58 (1): 155-176
- **VARYING-COEFFICIENT MODELS** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Hastie, T., Tibshirani, R.
1993; 55 (4): 757-796
- **Generalized Additive Models --**
Hastie TJ, Chapman, Hall (with R. Tibshirani)
1990
- **Resting State Functional Connectivity Machine Learning Classification of Chronic Back Pain**
Weber, K. A., Law, C. S., Asher, Y. K., Martucci, K. T., Gilam, G., Lewis, B., Narayan, S., Hastie, T., Wager, T. D., Mackey, S.
WILEY.2019: S266
- **Causal Interpretations of Black-Box Models** *JOURNAL OF BUSINESS & ECONOMIC STATISTICS*
Zhao, Q., Hastie, T.
2019
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Gensheimer, M. F., Henry, A., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al
2019; 111 (6): 568-74
- **Components of genetic associations across 2,138 phenotypes in the UK Biobank highlight adipocyte biology.** *Nature communications*
Tanigawa, Y., Li, J., Justesen, J. M., Horn, H., Aguirre, M., DeBoever, C., Chang, C., Narasimhan, B., Lage, K., Hastie, T., Park, C. Y., Bejerano, G., Ingelsson, et al
2019; 10 (1): 4064
- **A clinico-genomic analysis of soft tissue sarcoma patients reveals CDKN2A deletion as a biomarker for poor prognosis.** *Clinical sarcoma research*
Bui, N. Q., Przybyl, J., Trabucco, S. E., Frampton, G., Hastie, T., van de Rijn, M., Ganjoo, K. N.
2019; 9: 12
- **Association of cardiovascular events and lipoprotein particle size: Development of a risk score based on functional data analysis.** *PloS one*
Rowland, C. M., Shiffman, D., Caulfield, M., Garcia, V., Melander, O., Hastie, T.
2019; 14 (3): e0213172
- **Deep Learning Convolutional Neural Networks for the Automatic Quantification of Muscle Fat Infiltration Following Whiplash Injury.** *Scientific reports*
Weber, K. A., Smith, A. C., Wasielewski, M., Eghtesad, K., Upadhyayula, P. A., Wintermark, M., Hastie, T. J., Parrish, T. B., Mackey, S., Elliott, J. M.
2019; 9 (1): 7973
- **Nuclear penalized multinomial regression with an application to predicting at bat outcomes in baseball** *STATISTICAL MODELLING*
Powers, S., Hastie, T., Tibshirani, R.
2018; 18 (5-6): 388-410
- **Machine learning in human movement biomechanics: Best practices, common pitfalls, and new opportunities** *JOURNAL OF BIOMECHANICS*
Halilaj, E., Rajagopal, A., Fiterau, M., Hicks, J. L., Hastie, T. J., Delp, S. L.
2018; 81: 1-11
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data.** *Journal of the National Cancer Institute*
Gensheimer, M. F., Henry, A. S., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al
2018
- **Automated survival prediction in metastatic cancer patients using high-dimensional electronic medical record data**

- Gensheimer, M. F., Henry, A. S., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A., Rubin, et al
OXFORD UNIV PRESS.2018: 548
- **Machine learning in human movement biomechanics: Best practices, common pitfalls, and new opportunities.** *Journal of biomechanics*
Halilaj, E., Rajagopal, A., Fiterau, M., Hicks, J. L., Hastie, T. J., Delp, S. L.
2018
 - **Modeling and Predicting Osteoarthritis Progression: Data from the Osteoarthritis Initiative.** *Osteoarthritis and cartilage*
Halilaj, E., Le, Y., Hicks, J. L., Hastie, T. J., Delp, S. L.
2018
 - **Proteomic analysis of monolayer-integrated proteins on lipid droplets identifies amphipathic interfacial alpha-helical membrane anchors.** *Proceedings of the National Academy of Sciences of the United States of America*
Pataki, C. I., Rodrigues, J., Zhang, L., Qian, J., Efron, B., Hastie, T., Elias, J. E., Levitt, M., Kopito, R. R.
2018
 - **Physical activity is associated with changes in knee cartilage microstructure** *OSTEOARTHRITIS AND CARTILAGE*
Halilaj, E., Hastie, T. J., Gold, G. E., Delp, S. L.
2018; 26 (6): 770–74
 - **Some methods for heterogeneous treatment effect estimation in high dimensions** *STATISTICS IN MEDICINE*
Powers, S., Qian, J., Jung, K., Schuler, A., Shah, N. H., Hastie, T., Tibshirani, R.
2018; 37 (11): 1767–87
 - **Gene expression profiling of low-grade endometrial stromal sarcoma indicates fusion protein-mediated activation of the Wnt signaling pathway** *GYNECOLOGIC ONCOLOGY*
Przybyl, J., Kidzinski, L., Hastie, T., Debiec-Rychter, M., Nusse, R., van de Rijn, M.
2018; 149 (2): 388–93
 - **Saturating Splines and Feature Selection** *JOURNAL OF MACHINE LEARNING RESEARCH*
Boyd, N., Hastie, T., Boyd, S., Recht, B., Jordan, M.
2018; 18
 - **Saturating Splines and Feature Selection.** *Journal of machine learning research : JMLR*
Boyd, N., Hastie, T., Boyd, S., Recht, B., Jordan, M. I.
2018; 18
 - **CONFOUNDER ADJUSTMENT IN MULTIPLE HYPOTHESIS TESTING** *ANNALS OF STATISTICS*
Wang, J., Zhao, Q., Hastie, T., Owen, A. B.
2017; 45 (5): 1863–94
 - **Accuracy in Wrist-Worn, Sensor-Based Measurements of Heart Rate and Energy Expenditure in a Diverse Cohort.** *Journal of personalized medicine*
Shcherbina, A., Mattsson, C. M., Waggott, D., Salisbury, H., Christle, J. W., Hastie, T., Wheeler, M. T., Ashley, E. A.
2017; 7 (2)
 - **Targeted use of growth mixture modeling: a learning perspective** *STATISTICS IN MEDICINE*
Jo, B., Findling, R. L., Wang, C., Hastie, T. J., Youngstrom, E. A., Arnold, L. E., Fristad, M. A., Horwitz, S. M.
2017; 36 (4): 671–686
 - **Selection of effects in Cox frailty models by regularization methods.** *Biometrics*
Groll, A., Hastie, T., Tutz, G.
2017
 - **FIRE: functional inference of genetic variants that regulate gene expression.** *Bioinformatics (Oxford, England)*
Ioannidis, N. M., Davis, J. R., DeGorter, M. K., Larson, N. B., McDonnell, S. K., French, A. J., Battle, A. J., Hastie, T. J., Thibodeau, S. N., Montgomery, S. B., Bustamante, C. D., Sieh, W., Whittmore, et al
2017; 33 (24): 3895–3901
 - **CONFOUNDER ADJUSTMENT IN MULTIPLE HYPOTHESIS TESTING.** *Annals of statistics*
Wang, J., Zhao, Q., Hastie, T., Owen, A. B.

2017; 45 (5): 1863–94

- **Prognostic significance of early aortic remodeling in acute uncomplicated type B aortic dissection and intramural hematoma.** *The Journal of thoracic and cardiovascular surgery*
Sailer, A. M., Nelemans, P. J., Hastie, T. J., Chin, A. S., Huininga, M., Chiu, P., Fischbein, M. P., Dake, M. D., Miller, D. C., Schurink, G. W., Fleischmann, D.
2017; 154 (4): 1192–1200
- **Sparse EEG/MEG source estimation via a group lasso.** *PloS one*
Lim, M., Ales, J. M., Cottureau, B. R., Hastie, T., Norcia, A. M.
2017; 12 (6): e0176835
- **Combinatorial Extracellular Matrix Microenvironments for Probing Endothelial Differentiation of Human Pluripotent Stem Cells.** *Scientific reports*
Hou, L., Kim, J. J., Wanjare, M., Patlolla, B., Coller, J., Natu, V., Hastie, T. J., Huang, N. F.
2017; 7 (1): 6551
- **Synergistic drug combinations from electronic health records and gene expression.** *Journal of the American Medical Informatics Association*
Low, Y. S., Daugherty, A. C., Schroeder, E. A., Chen, W., Seto, T., Weber, S., Lim, M., Hastie, T., Mathur, M., Desai, M., Farrington, C., Radin, A. A., Sirota, et al
2016
- **Targeted use of growth mixture modeling: a learning perspective.** *Statistics in medicine*
Jo, B., Findling, R. L., Wang, C., Hastie, T. J., Youngstrom, E. A., Arnold, L. E., Fristad, M. A., Horwitz, S. M.
2016
- **Human amygdala engagement moderated by early life stress exposure is a biobehavioral target for predicting recovery on antidepressants** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Goldstein-Piekarski, A. N., Korgaonkar, M. S., Green, E., Suppes, T., Schatzberg, A. F., Hastie, T., Nemeroff, C. B., Williams, L. M.
2016; 113 (42): 11955-11960
- **Combinatorial extracellular matrix microenvironments promote survival and phenotype of human induced pluripotent stem cell-derived endothelial cells in hypoxia** *ACTA BIOMATERIALIA*
Hou, L., Coller, J., Natu, V., Hastie, T. J., Huang, N. F.
2016; 44: 188-199
- **Combinatorial extracellular matrix microenvironments promote survival and phenotype of human induced pluripotent stem cell-derived endothelial cells in hypoxia.** *Acta biomaterialia*
Hou, L., Coller, J., Natu, V., Hastie, T. J., Huang, N. F.
2016; 44: 188-199
- **REVEL: An Ensemble Method for Predicting the Pathogenicity of Rare Missense Variants** *AMERICAN JOURNAL OF HUMAN GENETICS*
Ioannidis, N. M., Rothstein, J. H., Pejaver, V., Middha, S., McDonnell, S. K., Baheti, S., Musolf, A., Li, Q., Holzinger, E., Karyadi, D., Cannon-Albright, L. A., Teerlink, C. C., Stanford, et al
2016; 99 (4): 877-885
- **Evaluating quantitative proton-density-mapping methods** *HUMAN BRAIN MAPPING*
Mezer, A., Rokem, A., Berman, S., Hastie, T., Wandell, B. A.
2016; 37 (10): 3623-3635
- **ZeitZeiger: supervised learning for high-dimensional data from an oscillatory system** *NUCLEIC ACIDS RESEARCH*
Hughey, J. J., Hastie, T., Butte, A. J.
2016; 44 (8)
- **Effect of long-term antibiotic use on weight in adolescents with acne.** *journal of antimicrobial chemotherapy*
Contopoulos-Ioannidis, D. G., Ley, C., Wang, W., Ma, T., Olson, C., Shi, X., Luft, H. S., Hastie, T., Parsonnet, J.
2016; 71 (4): 1098-1105
- **Construction of longitudinal prediction targets using semisupervised learning.** *Statistical methods in medical research*
Jo, B., Findling, R. L., Hastie, T. J., Youngstrom, E. A., Wang, C., Arnold, L. E., Fristad, M. A., Frazier, T. W., Birmaher, B., Gill, M. K., Horwitz, S. M.
2016: 962280216684163-?
- **CUSTOMIZED TRAINING WITH AN APPLICATION TO MASS SPECTROMETRIC IMAGING OF CANCER TISSUE** *ANNALS OF APPLIED STATISTICS*

-
- Powers, S., Hastie, T., Tibshirani, R.
2015; 9 (4): 1709-1725
- **Matrix Completion and Low-Rank SVD via Fast Alternating Least Squares** *JOURNAL OF MACHINE LEARNING RESEARCH*
Hastie, T., Mazumder, R., Lee, J. D., Zadeh, R.
2015; 16: 3367-3402
 - **The mobilize center: an NIH big data to knowledge center to advance human movement research and improve mobility.** *Journal of the American Medical Informatics Association*
Ku, J. P., Hicks, J. L., Hastie, T., Leskovec, J., Ré, C., Delp, S. L.
2015; 22 (6): 1120-1125
 - **Clinically Relevant Molecular Subtypes in Leiomyosarcoma.** *Clinical cancer research*
Guo, X., Jo, V. Y., Mills, A. M., Zhu, S. X., Lee, C., Espinosa, I., Nucci, M. R., Varma, S., Forgó, E., Hastie, T., Anderson, S., Ganjoo, K., Beck, et al
2015; 21 (15): 3501-3511
 - **Detecting clinically meaningful biomarkers with repeated measurements: An illustration with electronic health records** *BIOMETRICS*
Goldstein, B. A., Assimes, T., Winkelmayr, W. C., Hastie, T.
2015; 71 (2): 478-486
 - **Effective degrees of freedom: a flawed metaphor** *BIOMETRIKA*
Janson, L., Fithian, W., Hastie, T. J.
2015; 102 (2): 479-485
 - **Point process models for presence-only analysis** *METHODS IN ECOLOGY AND EVOLUTION*
Renner, I. W., Elith, J., Baddeley, A., Fithian, W., Hastie, T., Phillips, S. J., Popovic, G., Warton, D. I.
2015; 6 (4): 366-379
 - **CATS regression - a model-based approach to studying trait-based community assembly** *METHODS IN ECOLOGY AND EVOLUTION*
Warton, D. I., Shipley, B., Hastie, T.
2015; 6 (4): 389-398
 - **Learning interactions via hierarchical group-lasso regularization.** *Journal of computational and graphical statistics : a joint publication of American Statistical Association, Institute of Mathematical Statistics, Interface Foundation of North America*
Lim, M., Hastie, T.
2015; 24 (3): 627-54
 - **CUSTOMIZED TRAINING WITH AN APPLICATION TO MASS SPECTROMETRIC IMAGING OF CANCER TISSUE.** *The annals of applied statistics*
Powers, S., Hastie, T., Tibshirani, R.
2015; 9 (4): 1709-25
 - **Effective degrees of freedom: a flawed metaphor.** *Biometrika*
Janson, L., Fithian, W., Hastie, T. J.
2015; 102 (2): 479-85
 - **Learning the Structure of Mixed Graphical Models.** *Journal of computational and graphical statistics : a joint publication of American Statistical Association, Institute of Mathematical Statistics, Interface Foundation of North America*
Lee, J. D., Hastie, T. J.
2015; 24 (1): 230-53
 - **Matrix Completion and Low-Rank SVD via Fast Alternating Least Squares.** *Journal of machine learning research : JMLR*
Hastie, T., Mazumder, R., Lee, J. D., Zadeh, R.
2015; 16: 3367-3402
 - **Bias correction in species distribution models: pooling survey and collection data for multiple species** *METHODS IN ECOLOGY AND EVOLUTION*
Fithian, W., Elith, J., Hastie, T., Keith, D. A.
2015
 - **Bias correction in species distribution models: pooling survey and collection data for multiple species.** *Methods in ecology and evolution*
Fithian, W., Elith, J., Hastie, T., Keith, D. A.

2015; 6 (4): 424–38

- **LOCAL CASE-CONTROL SAMPLING: EFFICIENT SUBSAMPLING IN IMBALANCED DATA SETS** *ANNALS OF STATISTICS*
Fithian, W., Hastie, T.
2014; 42 (5): 1693-1724
- **Assessing the significance of global and local correlations under spatial autocorrelation: A nonparametric approach** *BIOMETRICS*
Viladomat, J., Mazumder, R., McInturff, A., McCauley, D. J., Hastie, T.
2014; 70 (2): 409-418
- **Boosted Varying-Coefficient Regression Models for Product Demand Prediction** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Wang, J. C., Hastie, T.
2014; 23 (2): 361-382
- **Confidence Intervals for Random Forests: The Jackknife and the Infinitesimal Jackknife** *JOURNAL OF MACHINE LEARNING RESEARCH*
Wager, S., Hastie, T., Efron, B.
2014; 15: 1625-1651
- **LOCAL CASE-CONTROL SAMPLING: EFFICIENT SUBSAMPLING IN IMBALANCED DATA SETS.** *Annals of statistics*
Fithian, W., Hastie, T.
2014; 42 (5): 1693–1724
- **Confidence Intervals for Random Forests: The Jackknife and the Infinitesimal Jackknife.** *Journal of machine learning research : JMLR*
Wager, S., Hastie, T., Efron, B.
2014; 15 (1): 1625–51
- **Learning the Structure of Mixed Graphical Models** *Journal of Computational and Graphical Statistics*
Lee, J. D., Hastie, T. J.
2014; 24 (1): 230-253
- **CATS regression—a model#based approach to studying trait#based community assembly** *Methods & Statistics in Ecology: Methods in Ecology and Evolution*
Warton, D., Shipley, B., Hastie, T.
2014; 6 (4): 389-398
- **Bias correction in species distribution models: pooling survey and collection data for multiple species** *METHODS IN ECOLOGY AND EVOLUTION*
Fithian, W., Elith, J., Hastie, T., Keith, D.
2014; 6 (4): pages 424–438
- **Learning interactions via hierarchical group-lasso regularization** *Journal of Computational and Graphical Statistics*
Lim, M., Hastie, T.
2014
- **Matrix Completion and Low-Rank SVD via Fast Alternating Least Squares** *Technical Report, Statistics Department, Stanford University*
Hastie, T., Mazumder, R., Lee, J., Zadeh, R.
2014
- **FINITE-SAMPLE EQUIVALENCE IN STATISTICAL MODELS FOR PRESENCE-ONLY DATA** *ANNALS OF APPLIED STATISTICS*
Fithian, W., Hastie, T.
2013; 7 (4): 1917-1939
- **Inference from presence-only data; the ongoing controversy** *ECOGRAPHY*
Hastie, T., Fithian, W.
2013; 36 (8): 864-867
- **A Sparse-Group Lasso** *JOURNAL OF COMPUTATIONAL AND GRAPHICAL STATISTICS*
Simon, N., Friedman, J., Hastie, T., Tibshirani, R.
2013; 22 (2): 231-245
- **Finite-Sample Equivalence in Statistical Models for Presence-Only Data.** *The annals of applied statistics*
Fithian, W., Hastie, T.

2013; 7 (4): 1917–39

- **Effective degrees of freedom: a flawed metaphor** *Technical Report, Statistics Department, Stanford University*
Jansen, L., Fithian, W., Hastie, T.
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- **A blockwise descent algorithm for group-penalized multiresponse and multinomial regression.** *Technical Report, Statistics Department, Stanford University*
Simon, N., Friedman, J., Hastie, T.
2013
- **An Introduction to Statistical Learning with Applications in R**
James, G., Witten, D., Hastie, T., Tibshirani, R.
Springer Texts in Statistics.2013
- **Compressive Feature Learning** *Curran Associates, Inc.,*
Paskov, H. S., West, R., Mitchell, J. C., Hastie, T.
2013: 2931–39
- **Boosted Varying-Coefficient Regression Models for Product Demand Prediction** *Journal of Computational and Graphical Statistics*
Wang, J., Hastie, T.
2013; 23 (2): 361-382
- **Structure Learning of Mixed Graphical Models** *Proceedings of the 16th International Conference on Artificial Intelligence and Statistics*
Lee, J., Hastie, T.
2013: 388–396
- **No increased mortality with early aortic aneurysm disease** *26th Annual Meeting of the Western-Vascular-Society*
Mell, M., White, J. J., Hill, B. B., Hastie, T., Dalman, R. L.
MOSBY-ELSEVIER.2012: 1246–51
- **Coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts** *CURRENT MEDICAL RESEARCH AND OPINION*
Cross, D. S., McCarty, C. A., Hytopoulos, E., Beggs, M., Nolan, N., Harrington, D. S., Hastie, T., Tibshirani, R., Tracy, R. P., Psaty, B. M., McClelland, R., Tsao, P. S., Quertermous, et al
2012; 28 (11): 1819-1830
- **Exact Covariance Thresholding into Connected Components for Large-Scale Graphical Lasso** *JOURNAL OF MACHINE LEARNING RESEARCH*
Mazumder, R., Hastie, T.
2012; 13: 781-794
- **Strong rules for discarding predictors in lasso-type problems** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.
2012; 74: 245-266
- **Strong rules for discarding predictors in lasso-type problems.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*
Tibshirani, R., Bien, J., Friedman, J., Hastie, T., Simon, N., Taylor, J., Tibshirani, R. J.
2012; 74 (2): 245–66
- **The graphical lasso: New insights and alternatives** *ELECTRONIC JOURNAL OF STATISTICS*
Mazumder, R., Hastie, T.
2012; 6: 2125-2149
- **Improved coronary risk assessment among intermediate risk patients using a clinical and biomarker based algorithm developed and validated in two population cohorts** *Current Medical Research and Opinion*
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