Trevor John Hastie

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Born: June 27, 1953, South Africa
Married, two children
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Present Position

2025–	John A. Overdeck Professor of Mathematical Sciences (emeritus), Stanford University.
2025–	Professor, Statistics Department and Biomedical Data Science Department (emeritus), Stanford University.
2013–2025	John A. Overdeck Professor of Mathematical Sciences, Stanford University.
2006–2009	Chair, Department of Statistics, Stanford University.
2005–2006	Associate Chair, Department of Statistics, Stanford University.
1999–2025	Professor, Statistics and Biostatistics Departments, Stanford University. Founder and co-director of Statistics department industrial affiliates program.
1994–1998	Associate Professor (tenured), Statistics and Biostatistics Departments, Stanford University.

Research interests include nonparametric regression models, computer intensive data analysis techniques, statistical computing and graphics, and statistical consulting. Currently working on adaptive modeling and prediction procedures, signal and image modeling, and problems in bioinformatics with many more variables than observations.

Education

1984	**Stanford University**, Stanford, California – Ph.D, Department of Statistics (Werner Stuetzle, advisor)
1979	**University of Cape Town**, Cape Town, South Africa – First Class Masters Degree in Statistics (June Juritz, advisor).
1976	**Rhodes University**, Grahamstown, South Africa – Bachelor of Science Honors Degree in Statistics.
1975	**Rhodes University**, Grahamstown, South Africa – Bachelor of Science Degree (cum laude) in Statistics, Computer Science and Mathematics.

Awards and Honors

2025	ISI Founders of Statistics prize for contemporary research (with Hui Zou) for "Elasticnet" paper.
2025	C.R. and Bhargavi Rao Prize for fundamental contributions to Statistical Theory and Practice.
2023	Chief Convocation speaker, ISI Kolkata.
2023	Honorary Doctorate, University of Waterloo, Canada.
2022	Myles Hollander Distinguished Lecturer, Florida State University.
2020	"Statistician of the year" award, Chicago chapter ASA.

2020	Breiman award (senior)
2019	Recipient of the Sigillum Magnum, University of Bologna, Italy.
2019	Elected to The Royal Netherlands Academy of Arts and Science.
2019	Wald lecturer, JSM Denver.
2018	William Gosset lecturer, Royal Irish Academy, Dublin.
2018	Elected to United States National Academy of Sciences.
2018	Honorary Doctorate, Leuphana University of Lüneburg, Germany.
2016	Wasserstrom distinguished lecturer, Northwestern University, Illinois.
2015	Recipient of 2015 Rhodes University distinguished alumni award.
2015	Recipient of Technometrics *Ziegel* award (dated 2014) for "An Introduction to Statistical Learning"
2014	The Emmanuel and Carol Parzen prize for Statistical Innovation, Texas A&M University.
2013	Inaugural John A. Overdeck Professor, Stanford University.
2013	Bernard G. Greenberg distinguished lecturer at Department of Biostatistics, University of North Carolina.
2011	Elected fellow of South African Statistical Society
2009–2010	Mellon Mentor, University of Cape Town
2009	Buehler-Martin lecturer, University of Minnesota.
2003	Official visitor (with Sir David Cox) at 50th anniversary of South African Statistical Association.
1998	Elected fellow of the American Statistical Association.
1997	IMS special invited speaker, IMS Pacific regional meeting, Taipei.
1996	1996 Myrto Lefkopolou award, Harvard Biostatistics Department
1996	1996 Craig award, University of Iowa.
1996	Elected fellow of the Institute of Mathematical Statistics.
1994	Elected member of International Statistics Institute.
1982	Harry Crossley Bursary, University of Cape Town. Awarded to assist in overseas doctoral research.
1980	Sir Robert Kotze Bursary, University of Cape Town. Awarded to assist in overseas doctoral research.
1979	Elected Fellow of Royal Statistical Society.
1979	Queen Victoria Scholarship, University of Cape Town. Awarded on the basis of Masters degree thesis for overseas doctoral research.
1978	National Scholarship, Rhodes University. Awarded on the basis of honors degree results for overseas doctoral research.
1977	University Research Scholarship, Rhodes University, Grahamstown. Awarded on basis of honors degree results for post-graduate research at Rhodes University.
1975	University Foundation Scholarship, Rhodes University. Awarded to the "Most Outstanding First Degree Candidate" during the period 1973 -1975.
1973	University Scholarship, Rhodes University. Awarded to the top first year student in the University in 1973.

Professional Duties and Committees

2013–2017	Jurist on panel of BBVA Foundation "Frontiers of Knowledge Award" in "Basic Sciences" category.
2014	Evaluation of Statistics Department, Columbia University, NY (with Jon Wellner).
2010–2011	Served on NAS "Massive Data Analysis" panel (Michael Jordan chair)
1994–2001	Associate Editor, *Annals of Statistics*

1995–	Associate Editor, J. Data Mining and Knowledge Discovery.
1994	Chair, Statistical Computing Section, ASA
1992	Program Chair, Statistical Computing Section, ASA
1989–1991	Associate Editor, *Technometrics*
1989	Secretary-Treasurer, Statistical Computing Section, ASA

Personal Research Grants

9/23–9/27	NIH 9R01 R01GM134483 Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging".
7/20–6/23	NSF 2013736 Hastie "Flexible Statistical Modeling".
7/20–6/23	NIH 9R01 GM13448324 Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging".
7/19–6/22	NSF IIS 1837931 "BigData: Computationally Efficient Algorithms for Large-Scale Crossed Random Effects Models" (Co PI with Art Owen)
7/15–6/19	NIH R01 EB001988 Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging".
8/14–7/19	NSF DMS-1407548 Hastie "Flexible Statistical Modeling".
7/11–6/15	NIH R01 EB001988E Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging".
8/10–7/14	NSF DMS-1007719 Hastie "Flexible Statistical Modeling".
7/08–6/12	NIH RO1-EB001988-12 Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging".
8/05–7/09	NSF DMS-0505676 Hastie "Flexible Statistical Modeling".
7/03–6/07	NIH RO1-EB0011988-08 Hastie/Johnstone/Tibshirani. Continuation of "New Statistical Methods for Medical Signals and Imaging"
7/02–7/05	NSF DMS 0204612 Hastie "Flexible Statistical Modeling".
9/99–6/03	NIH-2RO1-CA72028 Hastie/Johnstone/Tibshirani Continuation of "New Statistical Methods for Medical Signals and Imaging"
7/98–6/01	NSF DMS-9803645 Hastie "Flexible Statistical Modeling".
9/96–8/99	NIH RO1-CA-72028-01 Hastie/Johnstone "New Statistical Methods for Medical Signals and Imaging"
7/95–6/98	NSF DMS-9504495 Hastie "Flexible Regression and Classification"

Ph.D. Student Supervision

Neil Crellin	Graduated 1996. Thesis "Visualization and Regression of Image Sequence Data". Google, Mountain View.
Y. Dan Rubenstein	Graduated 1998. Thesis "Discriminative vs Informative Learning". High tech entrepeneur, advisor, mentor, Palo Alto.
Gareth James	Graduated 1998. Thesis "Majority Vote Classifiers: Theory and Applications". John H. Harland Dean of Goizueta School of Business, Emory University, Georgia.
Dirk Ormoneit	Postdoctoral Student 1999-2000. Founder and CEO, Rockhopper Algorithmics, UK.
Eva Cantoni	Postdoctoral Student 1999-2000. Currently at Econometrics Department, University of Geneva.
Mu Zhu	Graduated 2001. Thesis "Feature Extraction and Dimension Reduction with applications to Classification and the Analysis of Co-Occurrence Data". Professor, Department of Statistics and Actuarial Science, University of Waterloo, Canada.
Ji Zhu	Graduated 2003. Thesis" "Flexible Statistical Modelling" Professor, Statistics Department, University of Michigan.

Saharon Rosset Graduated 2003 (co-advising with Jerome Friedman). Thesis title: "Boosting and other Methods for following Regularization Optimized Coefficient Paths". Professor, Statistics department, University of Tel Aviv, Israel.

Hui Zou Graduated 2005, Thesis title: "Elasticnet Regularization and Beyond". Professor, Statistics, University of Minnesota.

Mee Young Park Graduated 2006, Thesis title "Generalized Linear Models with Regularization". Quantitative Analyst, Google Inc, Mountain View.

Gillian Ward Graduated 2007. Thesis title "Problems in Ecological Modeling: Presence-only Data and Boosted Mars". Researcher, Google.

Ping Li Graduated 2007. Thesis title "Stable Random Projections and Conditional Random Sampling, Two Sampling Techniques for Modern Massive Datasets". Engineer, LinkedIn.

Donal McMahon Graduated 2009. Thesis title "Research Synthesis for Multiway Tables of Varying Shapes and Size". VP Engineering, Indeed.

Rahul Mazumder Graduated June 2012. Thesis title "Topics in Sparse Multivariate Statistics". Associate Professor, OR and Statistics, MIT

Michael Lim Graduated August 2013. Thesis title "The group lasso: two novel applications". Quantitative Finance at Voleon Group, Berkeley.

Will Fithian Graduated June 2015. Thesis title "Topics in Adaptive Inference". Associate Professor, Statistics department, UC Berkeley.

Jason Lee Graduated June 2015. Thesis title "Selective Inference and Learning Mixed Graphical Models". Associate Professor, Electrical and Computer Engineering, Princeton.

Hristo Paskov (co-advised with John Mitchell, CS) Graduated 2016. Thesis title "Learning with N-grams: from Massive Scales to Compressed Representations".

Qingyuan Zhao Graduated 2016. Thesis title "Topics in Causal and High-dimensional Inference." Assistant Professor of Statistics, Cambridge University, UK.

Charles Zheng Graduated June 2017. Thesis title "Supervised Learning of Representations." Member of Machine Learning Team, Center for Multimodal Neuroimaging, NIH.

Ya Le Graduated 2018. Thesis title "Topics in Statistical Learning with a Focus on Large-Scale Data". Data Science team, Google Brain.

Rakesh Achanta Graduated 2018. "Boosting like Path Algorithms For L1 Regularized Infinite Dimensional Convex Neural Networks."

Junyang Qian Graduated 2020. "Large Scale Staistical Learning Methods and Algorithms". PDT Partners, New York.

Elena Tuzhilina Graduated 2022. "Advances in Multivariate Statistics and its Applications." Assistant Professor, Statistics Department, University of Toronto.

Zijun Gao Graduated 2022. "Applications of Machine Learning to some Statistical Inference Problems". Assistant Professor, USC 2023.

Elizabeth Chin Graduated 2022 (co-advised with Euan Ashley). "Statistical and Algorithmic Approaches for Health Policy and Fairness." Asst. Prof, Johns Hopkins Biostatistics Department.

Swarnadip Ghosh Graduated 2022 (co-advised with Art Owen). "Scalable Inference for Crossed Random Effects Models." Quantitative Researcher, Radix Trading, New York.

James Yang Graduated 2024. "Fast and Scalable Solvers for Penalized Regression with Sparsity." Quantitative Researcher, D.E. Shaw, New York.

Anav Sood Graduated 2025. "New Perspectives on Dimensionality and Selective Inference." Member of Research Staff, OpenAI, San Francisco.

Disha Ghandwani Graduated 2025. "Scalable Statistical Models for Personalized Recommendation: Random Slopes and Latent Structure." Member of Research Staff, Uber, San Francisco.

Work and Experience

1999 - 2019	Founder and Director, Stanford Statistic Department Industrial Affiliates program.
3/86–8/94	Member of Technical Staff, Statistics and Data Analysis Research Group, AT&T Bell Laboratories, 600 Mountain Ave, Murray Hill, New Jersey 07974.
7/92	Professor, Statistics Department, University of Cape Town — sabbatical 5-month appointment.
4/92	Member of MSRI, Berkeley. Arranged a 3-day workshop on "Neural Networks and Nonparametric Regression," with 20 invited participants.
1/85–1/86	Research biostatistician, South African Medical Research Council, Institute for Biostatistics.
6/81–12/84	Graduate student, Stanford University, Stanford California.
	Founded the department's Statistical Consulting Service, together with Rob Tibshirani.
	Member, Computations Research Group of Stanford Linear Accelerator Center. Research in statistical (motion) graphics and non-parametric regression methods. Group headed by Professor Jerome Friedman.
	Statistical consulting—projects include performance study for Syva corporation with Professor Bradley Efron, FDA study for Coherent Inc. with Professor Lincoln Moses.
1/84–4/84	Visiting researcher/student, IBM Research, Zurich. On leave of absence from Stanford. Worked on computer vision and computer typesetting (TEX) projects, and Ph.D. dissertation.
1/77-9/80	Research officer and consultant, Institute for Biostatistics, Medical Research Council, Cape Town, South Africa. Consulting with other MRC bodies in SA and University of Cape Town Medical School.
9/79–11/79	Biomathematics Department, Oxford University, Oxford, U.K. Research, and consulting work with Professor Peter Armitage for Booths Pharmaceutical company on logistic regression.
7/79–9/79	Johnson Space Center, Clear Lake City, Texas. Worked for two months in the cellular analytical lab of Dr. Steve Kimzey, on an automated cytology project.
2/79-7/79	London School of Hygiene and Tropical Medicine. Worked with Professor Michael Healy as consultant and did research on classification procedures. Projects included St. Lucia schistosomiasis study (Rockefeller Foundation) and psycho-surgery validation study with the Neuro-surgical center of the Brooks General Hospital.

Industry: Advisory Boards and Consulting Retainers

5/2018-	Senior Advisor, Blackrock Palo Alto AI Lab
10/2023-	VecML SAB
1/2019-	MyOme SAB
12/2012-	h2O.ai SAB
1/2006-	Quantcast Inc SAB

6/2017-11/2024 Prealize SAB
5/2017-2/2022 Smule SAB
1/2017-12-2017 Huawei Consultant

10/2016 - 12/2021 Novartis Pharmaceuticals statistical consultant
3/2016-2019 Nightingale Analytics SAB
2014 - 2016 Sumup Inc consultant
6/2005-12/2022 Quest Diagnostics SAB
6/2007-12/2017 Esurance SAB
10/2012-5/2014 Morgan Stanley
1/2011-12/2017 Opera Solutions SAB
4/2006-11/2013 Aviir SAB
12/2006-12/2015 Natera (formerly Gene Security Network) SAB
10/2010-12/2012 Pathworks Diagnostics SAB
2/2002-2/2010 Bioseek SAB
2/2008-2/2009 Facebook
9/2001-8/2005 Enkata SAB
9/2003-9/2006 Equbits SAB
2/2000-8/2002 Peakstone SAB
12/2005-4/2007 Rapt Inc SAB
5/2002-7/2006 Sports Potential Inc SAB
5/2000-10/2003 Xmine Inc SAB
8/1999-1/2001 Panoptikon Inc SAB

Special Invited Talks and Workshops

11/2022	Myles Hollander Distinguished Lecturer, Florida State University.
11/2022	Lowell Reed Lecture, APHA meeting, Boston.
8/2021	Breiman senior award lecture, ASA.
12/2020	David Sprott distinguished lecturer, University of Waterloo, Canada.
9/2020	Chicago Chapter, ASA Statistician of the Year lecture.
4/2020	(postponed)Wilks Lecture, Princeton.
8/2019	Wald Lectures (3), JSM Chicago
6/2018	Inaugural Public Lecture, Jean Golding Institute, University of Bristol.
7/2017	Inaugural speaker, "Data Science, Statistics and Visualization" conference, Lisbon, Portugal.
7/2017	IASC presidential invited speaker, ISI Marakech, Morocco.
5/2017	Tinbergen Institute Econometrics Lectures, Erasmus University, Rotterdam.
11/2016	Special conference visitor, South African Statistical Association annual conference.
7/2016	Keynote speaker, Fourth Joint Biostatistics Symposium, Shanghai.
5/2016	Keynote speaker and special invited guest, Israeli Statistical Society, Tel Aviv.
7/2015	Keynote speaker in special session of International Federation of Classiciation Societies in Bologna to celebrate 25th anniversary of publication of "Generalized Additive Models".
3/2015	Keynote speaker at 70th anniversary of Dutch statistical society, Itrecht, Holland.
9/2014	Opening Keynote Speaker, Inauguration of University of Leiden Center of Data Science, Holland.
5/2014	Invited speaker, Abel Symposium for high-dimensional data, Lofoten Islands, Norway.
9/2013	PIMS 2013 "Year of Statistics" public address, UBC, Vancouver.
7/2013	Keynote speaker, Ecostats2013, Sydney, Australia.
5/2013	Keynote speaker, Conference on Applied Statistics Ireland, Dublin 2013

5/2013	Bernard G. Greenberg distinguished lecturer, Department of Biostatistics, University of North Carolina.
3/2013	Annual Invited Lecturer in Biostatistics and Bioinformatics, University of California at San Francisco.
8/2012	Keynote speaker, COMPSTAT 2012, Cyprus.
5/2012	Keynote speaker, 43rd Interface meeting, Rice University, Houston, Texas
10/2011	Keynote speaker, Chilean Statistical Society annual conference, Pucon, Chile.
8/2011	Keynote speaker, New Zealand Annual Statistics conference, Auckland.
4/2011	Delivered invited one day course on "Statistical Learning" co-organized by Australian National University and CSIRO
8/2009	Presidents invited speaker, ISI meeting, Durban, South Africa.
7/09	Keynote speaker, useR! 2009 conference, Rennes, France.
1/09	3eme Cycle de Statistique et Probilites Appliquees, Les Diablerets, Switzerland — invited lecturer.
12/08	Keynote speaker, International Association of Statistical Computing, Yokohama, Japan.
12/08	Inaugural Pao-Lu Hsu lecturer at Peking University
8/08	Keynote speaker, KDD conference, Las Vegas.
8/08	Invited speaker, Joint statistical meetings, Denver, Colorado.
5/08	Three day invited data-mining workshop, BBVA foundation, Madrid.
8/07	Invited Speaker, Statistics in Technology and Science. Satellite meeting of ISI, Porto, Portugal.
3/07	Keynote Speaker, AI& Statistics, Puerto Rico.
9/06	Keynote Speaker, RSS 2006, Belfast, Northern Ireland.
6/06	Keynote Speaker, User-R conference, Vienna.
6/06	Keynote Speaker, 50th anniversary of the School of Economics, Erasmus University, Rotterdam.
10/05	Keynote Speaker, 5th Australian Microarray Conference, Barossa Valley.
5/05	Keynote Speaker, 11th ASMDA (Applied Stochastic Models and Data Analysis) conference, Brest, France.
2/05	Conference Keynote Speaker, First South African Data Mining Conference, Stellenbosch, South Africa.
11/04	Keynote Speaker, SAS datamining conference, Las Vegas.
8/04	Special Guest, Ecology conference, Riederalp.
11/03	Official conference guest (with Sir David Cox), 50th anniversary of the South African Statistical Association.
9/03	Plenary speaker, Italian classification society meeting, U. Bologna.
8/03	Invited speaker, ASA 2003, San Francisco.
1/03	Invited speaker, SPIE conference of "Document Retrieval and Recognition", Santa Clara, California.
8/02	Keynote speaker, "Compstat 2002", Berlin, Germany.
8/02	Invited Speaker, ASA 2002, New York.
7/02	Invited speaker at "Current Trends and Advances in Nonparametric Statistics", Hersonissos, Crete.
7/02	Invited speaker at "17th International Workshop on Statistical Modeling" in Chania, Crete.
6/02	Plenary speaker at "Multiple Classification Systems", Sardinia.
5/02	Plenary speaker, "Spring Research Conference", Michigan.
12/01	Invited speaker at "New trends in optimization and computational algorithms", Kyoto, Japan
10/01	Keynote speaker at Splus user conference, Philadelphia.

7/01	Special invited speaker at "GLM/GAM in Ecology" conference at Riederalp, Switzerland.
4/00	Invited speaker at Snobird conference, Utah; invited to speak on DNA expression arrays.
7/99	Special invited visitor of Norwegian Statistical Society, to spend 3 weeks in Oslo collaborating with young Norwegian investigators [grant covers expenses for myself and family for entire stay]
3/99	Invited speaker, Spanish Biometrics Society meeting, Mallorca, Spain.
1/99	Tutorial lecturer, American Association for Artificial Intelligence biennial meeting, Fort Lauderdale, Fl. "Boosting"
12/98	Invited speaker, International Biometrics Society meeting, Cape Town, South Africa
8/98	Plenary Speaker, Sinape. Annual Brazilian Statistical conference, Caxambu.
7/98	Keynote speaker, Australian Statistical Society Meeting, Gold Coast.
8/97	Special invited IMS keynote address "Modern Advances in Classification", Taipei, Taiwan.
12/96	Invited tutorial "From Statistics to Neural Networks", annual NIPS meeting, Denver, Colorado.
11/96	Invited speaker at memorial conference for Stefano Franscini, Acona, Switzerland.
11/96	Myrto Lefkopolou lecture and award, Harvard University.
7/96	Invited speaker at "International Modeling Conference", Orvieto, Italy.
6/96	Short course on "Modern Regression and Classification" at Applied Statistics week, University Pompeu Fabra, Barcelona.
4/96	Short course on "Modern Regression and Classification", ENAR, Richmond.
4/96	Craig lecture and award, Iowa State University.
3/96	3eme Cycle de Statistique et Probilites Appliquees, Villars, Switzerland — invited lecturer.
4/95	Invited speaker at Neural Network and Statistics workshop at Edinburgh, RSS special session at Edinburgh, and to visit Bristol and Bath in UK.
1/95	Invited short course on "Nonparametric regression and Classification", AI & Statistics workshop, Fort Lauderdale.
12/94	Invited to deliver paper at Neural Information Processing Conference, Denver.
6/94	Invited paper at "Statistics in Industry" conference at University of Tokyo, Japan.
9/93	Keynote speaker, STATCOMP 93, Wollongong, Australia.
6/93	Invited speaker, NATO ASI meeting on Neural Networks and Statistics, Les Arcs, France.
3/92	"Statistical Models in S," Interface meeting, College Station, Texas.
9/91	Keynote speaker at International Genstat meeting, Papendal, Holland.
6/91	Keynote speaker at US Classification Society Meeting, New Brunswick, NJ.
6/91	"Modelling Human Signatures," Total Least Squares Conference, Leuven, Belgium.
3/91	"Generalized Additive Models in S," International Smoothing Workshop, Heidelberg, Germany.
9/90	"Statistical Models in S," COMPSTAT, Dubrovnik, Yugoslavia.
8/90	Keynote speaker at "Generalized Linear Models" workshop at State University of New York, Stonybrook.
8/90	One-day short course at ASA meeting (Anaheim) on "Generalized Additive Models." Talk: "Confidence Sets for Nonparametric Regression" at the same meeting.

6-7/90	Visiting Professor, Summer Quarter, Stanford University. Taught 7-week course on "Generalized Additive Models."
2/90	"Statistical Models in S," First International S Conference, Wellington, New Zealand.
8/89	General Methodology lecture, ASA, Washington.
6/89	Two-day speaker, "Diagnostics Quarter," University of Minnesota.
4/89	Short course on "Generalized Additive Models," Canadian Statistical Meetings, Ottawa.
2-3/89	Three-day course on "Generalized Additive Models," Australian National University, Canberra.
8/87	"Correspondence Analysis," 4-hour tutorial (with Michael Greenacre), ASA meeting, San Francisco.
7/87	"A new algorithm for matched case-control studies with applications to additive models," 2nd International Data Analysis Meeting, Perugia, Italy.
3/87	"Generalized additive models: the additive Cox Model," Biometrics Meetings, Dallas, TX.
2/87	"Principal Profiles," Interface meeting, Philadelphia, PA.
8/86	"Generalized additive models: a GAIM analyst's toolbox," ASA annual meetings, Chicago, Illinois.
3/86	"Generalized additive models; some applications," Biometric Society meetings, Atlanta, Georgia.
9/85	"Generalized additive models: introduction and applications." Second international conference on generalized linear models, Lancaster, England.
8/85	"Principal Curves and Surfaces," ASA annual meetings, Las Vegas, Arizona.
6/85	" Non-Parametric Logistic Regression," South African Statistical Association meeting, University of the Western Cape, Cape Town."
6/84	"Principal Curves and Surfaces"— New Methods in Multivariate Statistics, AMS summer conference, Brunswick, Maine (organized by P. Huber, P. Diaconis and P. Bickel).
4/84	"Non-parametric Logistic Regression," Department of Mathematics, Imperial College, London, England.

Teaching

10/2017	Five lectures on "Statistical Learning" taught to European physicists, organized by University of Padua.
2014-	Developed a 14 hour MOOC called "Statistical Learning" with Rob Tibshirani. So far has had 180,000 registrations (with about 12% completing the entire course.
2001-2017	"Statistical Learning and Data Mining". Two day public short course taught twice a year (with R. Tibshirani). Currently on version IV.
1996-2000	"Modern Regression and Classification". Two day public short course taught twice a year (with R. Tibshirani)
9/94 -	Graduate and undergraduate teaching at Stanford University.
8/92	One-semester honors course on "Computer Intensive Methods" at University of Cape Town.
8/80	One-day short course at ASA meeting, Anaheim, on "Generalized Additive Models."
6-7/90	Visiting Professor, Summer Quarter, Stanford University. Taught 7-week course on "Generalized Additive Models."
4/89	Short course on "Generalized Additive Models," Canadian Statistical Meetings, Ottawa.

2-3/89	Invited 3-day course on "Generalized Additive Models," Australian National University, Canberra.
2/80–6/80	One-semester lecture course on Survival Analysis in the Honors program at the University of Cape Town.
1/76–12/76	Rhodes University, Grahamstown, South Africa. Junior Lecturer in Department of Mathematical Statistics. Lectured the undergraduate one year course on Business Mathematics and Statistics.

Books

[1] Trevor Hastie and R. Tibshirani. *Generalized Additive Models*. Chapman and Hall, 1990.

[2] J. Chambers and Trevor Hastie. *Statistical Models in S*. Wadsworth/Brooks Cole, Pacific Grove, California, 1991.

[3] T. Hastie, R. Tibshirani, and J. Friedman. *The Elements of Statistical Learning: Data Mining, Inference and Prediction*. Springer Verlag, New York, 2001.

[4] T. Hastie, R. Tibshirani, and J. Friedman. *The Elements of Statistical Learning: Data Mining, Inference and Prediction*. Springer Verlag, New York, second edition, 2009.

[5] Gareth James, Daniela Witten, Trevor Hastie, and Rob Tibshirani. *An Introduction to Statistical Learning with Applications in R*. Springer Texts in Statistics. Springer, New York, 2013.

[6] Trevor Hastie, Robert Tibshirani, and Martin Wainwright. *Statistical Learning with Sparsity: the Lasso and Generalizations*. Chapman and Hall, CRC Press, 2015.

[7] Bradley Efron and Trevor Hastie. *Computer Age Statistical Inference; Algorithms, Evidence and Data Science*. Cambridge University Press, July 2016.

[8] Bradley Efron and Trevor Hastie. *Computer Age Statistical Inference; Algorithms, Evidence and Data Science (student edition)*. Cambridge University Press, May 2021.

[9] Gareth James, Daniela Witten, Trevor Hastie, and Rob Tibshirani. *An Introduction to Statistical Learning with Applications in R*. Springer Texts in Statistics. Springer, New York, second edition, 2021.

[10] Gareth James, Daniela Witten, Trevor Hastie, Rob Tibshirani, and Jonathan Taylor. *An Introduction to Statistical Learning with Applications in Python*. Springer Texts in Statistics. Springer, New York, 2023.

Refereed Journal Articles

[1] Trevor Hastie. A closer look at the deviance. *American Statistician*, 41, 1985.

[2] Trevor Hastie and R. Tishirani. Generalized additive models (with discussion). *Statistical Science*, 1, 1986.

[3] Trevor Hastie and Robert Tibshirani. Non-parametric logistic and proportional odds regression. *Applied Statistics*, 36:260–276, 1987.

[4] Trevor Hastie and Tibshirani. Local likelihood estimation. *Journal of the American Statistical Association*, 82, 1987.

[5] Trevor Hastie and M. Greenacre. The geometric interpretation of correspondence analysis. *Journal of the American Statistical Association*, 82, 1987.

[6] Trevor Hastie and R. Tibshirani. Generalized additive models; some applications. *Journal of the American Statistical Association*, 82, 1987.

[7] Trevor Hastie, J. Botha, and C. Schnitzler. Regression with an ordered categorical response. *Statistics in Medicine*, 8, 1989.

[8] Trevor Hastie and W. Stuetzle. Principal curves. *Journal of the American Statistical Association*, 84(406):502–516, 1989.

[9] A. Buja, Trevor Hastie, and R. Tibshirani. Linear smoothers and additive models (with discussion). *Annals of Statistics*, 17:453–555, 1989.

[10] Trevor Hastie and R. Tibshirani. A method for exploring the nature of covariate effects in the proportional hazards model. *Biometrics*, 46, 1990.

[11] E. Kishon and Trevor Hastie. 3-d curve matching using splines. *J. Robotic Systems*, 8(6), 1991.

[12] T. Hastie, J. Fan, and E. Kishon. A model for signature verification. U.S. Patent 5,111,512, 1992.

[13] Trevor Hastie, W. Nelson, and W Turin. Statistical methods for online signature verification. *International Journal of Pattern Recognition and Artificial Intelligence*, 1992.

[14] Trevor Hastie, L. Clark, L. Psota-Kelty, D. Sinclair, and J. Rauchut. Sources of particle contamination in an ic manufacturing environment. *Aerosol Science and Technology*, 16:43–50, 1992.

[15] Trevor Hastie, L. Sleeper, and R. Tibshirani. Flexible covariate effects in the Cox model. *Breast Cancer Research and Treatment*, 22:241–250, 1992. (special issue).

[16] Trevor Hastie and Robert Tibshirani. Varying coefficients models (with discussion). *J. Royal Statist. Soc. (Series B)*, 55:757–796, 1993.

[17] Trevor Hastie and C. Loader. Local regression: Automatic kernel carpentry (with discussion). *Statistical Science*, 8:120–143, 1993.

[18] Trevor Hastie, R. Tibshirani, and A. Buja. Flexible discriminant analysis by optimal scoring. *Journal of the American Statistical Association*, 89:1255–1270, 1994.

[19] T. Hastie and R. Tibshirani. Discriminant analysis by gaussian mixtures. *J. Royal Statist. Soc. (Series B)*, 58:155–176, 1996.

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