Trevor Hastie

List of Publications by Year in descending order

68 papers	66,637 citations	76326 40 h-index	123424 61 g-index
82 all docs	82 docs citations	82 times ranked	77722 citing authors

#	Article	IF	Citations
1	Fast Lasso method for large-scale and ultrahigh-dimensional Cox model with applications to UK Biobank. Biostatistics, 2022, 23, 522-540.	1.5	22
2	Significant sparse polygenic risk scores across 813 traits in UK Biobank. PLoS Genetics, 2022, 18, e1010105.	3.5	40
3	Causal Interpretations of Black-Box Models. Journal of Business and Economic Statistics, 2021, 39, 272-281.	2.9	217
4	Genetics of 35 blood and urine biomarkers in the UK Biobank. Nature Genetics, 2021, 53, 185-194.	21.4	377
5	Survival analysis on rare events using group-regularized multi-response Cox regression. Bioinformatics, 2021, 37, 4437-4443.	4.1	3
6	Polygenic risk modeling with latent trait-related genetic components. European Journal of Human Genetics, 2021, 29, 1071-1081.	2.8	14
7	Wearable sensors enable personalized predictions of clinical laboratory measurements. Nature Medicine, 2021, 27, 1105-1112.	30.7	121
8	Fast numerical optimization for genome sequencing data in population biobanks. Bioinformatics, 2021, 37, 4148-4155.	4.1	9
9	An inflammatory aging clock (iAge) based on deep learning tracks multimorbidity, immunosenescence, frailty and cardiovascular aging. Nature Aging, 2021, 1, 598-615.	11.6	202
10	Relating whole-brain functional connectivity to self-reported negative emotion in a large sample of young adults using group regularized canonical correlation analysis. NeuroImage, 2021, 237, 118137.	4.2	7
11	Using Aggregate Patient Data at the Bedside via an On-Demand Consultation Service. NEJM Catalyst, 2021, 2, .	0.7	6
12	Ridge Regularization: An Essential Concept in Data Science. Technometrics, 2020, 62, 426-433.	1.9	37
13	Discussion of â€œPrediction, Estimation, and Attributionâ€•by Bradley Efron. Journal of the American Statistical Association, 2020, 115, 665-666.	3.1	0
14	Discussion of â€œPrediction, Estimation, and Attributionâ€•by Bradley Efron. International Statistical Review, 2020, 88, S73.	1.9	2
15	Best Subset, Forward Stepwise or Lasso? Analysis and Recommendations Based on Extensive Comparisons. Statistical Science, 2020, 35, .	2.8	36
16	A fast and scalable framework for large-scale and ultrahigh-dimensional sparse regression with application to the UK Biobank. PLoS Genetics, 2020, 16, e1009141.	3.5	75
17	Rejoinder: Best Subset, Forward Stepwise or Lasso? Analysis and Recommendations Based on Extensive Comparisons. Statistical Science, 2020, 35, .	2.8	3
18	Title is missing!. , 2020, 16, e1009141.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 16, e1009141.		0
20	Title is missing!. , 2020, 16, e1009141.		0
21	Title is missing!. , 2020, 16, e1009141.		0
22	Title is missing!. , 2020, 16, e1009141.		0
23	Title is missing!. , 2020, 16, e1009141.		0
24	Components of genetic associations across 2,138 phenotypes in the UK Biobank highlight adipocyte biology. Nature Communications, 2019, 10, 4064.	12.8	48
25	Some methods for heterogeneous treatment effect estimation in high dimensions. Statistics in Medicine, 2018, 37, 1767-1787.	1.6	83
26	Nuclear penalized multinomial regression with an application to predicting at bat outcomes in baseball. Statistical Modelling, 2018, 18, 388-410.	1.1	5
27	Proteomic analysis of monolayer-integrated proteins on lipid droplets identifies amphipathic interfacial Î±-helical membrane anchors. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8172-E8180.	7.1	31
28	Saturating Splines and Feature Selection. Journal of Machine Learning Research, 2018, 18, .	62.4	0
29	Accuracy in Wrist-Worn, Sensor-Based Measurements of Heart Rate and Energy Expenditure in a Diverse Cohort. Journal of Personalized Medicine, 2017, 7, 3.	2.5	420
30	Point process models for presenceâ€only analysis. Methods in Ecology and Evolution, 2015, 6, 366-379.	5.2	319
31	Effective degrees of freedom: a flawed metaphor. Biometrika, 2015, 102, 479-485.	2.4	36
32	Learning Interactions via Hierarchical Group-Lasso Regularization. Journal of Computational and Graphical Statistics, 2015, 24, 627-654.	1.7	160
33	Bias correction in species distribution models: pooling survey and collection data for multiple species. Methods in Ecology and Evolution, 2015, 6, 424-438.	5.2	333
34	Matrix Completion and Low-Rank SVD via Fast Alternating Least Squares. Journal of Machine Learning Research, 2015, 16, 3367-3402.	62.4	90
35	Local case-control sampling: Efficient subsampling in imbalanced data sets. Annals of Statistics, 2014, 42, 1693-1724.	2.6	60
36	A Sparse-Group Lasso. Journal of Computational and Graphical Statistics, 2013, 22, 231-245.	1.7	913

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37	Finite-sample equivalence in statistical models for presence-only data. Annals of Applied Statistics, 2013, 7, 1917-1939.	1.1	189
38	The graphical lasso: New insights and alternatives. Electronic Journal of Statistics, 2012, 6, 2125-2149.	0.7	179
39	Strong Rules for Discarding Predictors in Lasso-Type Problems. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2012, 74, 245-266.	2.2	387
40	*SparseNet*: Coordinate Descent With Nonconvex Penalties. Journal of the American Statistical Association, 2011, 106, 1125-1138.	3.1	303
41	Sparse Discriminant Analysis. Technometrics, 2011, 53, 406-413.	1.9	433
42	A fused lasso latent feature model for analyzing multi-sample aCGH data. Biostatistics, 2011, 12, 776-791.	1.5	46
43	A statistical explanation of MaxEnt for ecologists. Diversity and Distributions, 2011, 17, 43-57.	4.1	4,420
44	Dynamic visualization of statistical learning in the context of high-dimensional textual data. Web Semantics, 2010, 8, 163-168.	2.9	9
45	Regularization Paths for Generalized Linear Models via Coordinate Descent. Journal of Statistical Software, 2010, 33, .	3.7	10,210
46	Regularization Paths for Generalized Linear Models via Coordinate Descent. Journal of Statistical Software, 2010, 33, 1-22.	3.7	5,775
47	Genome-wide association analysis by lasso penalized logistic regression. Bioinformatics, 2009, 25, 714-721.	4.1	639
48	The Elements of Statistical Learning. Springer Series in Statistics, 2009, , .	0.9	14,554
49	A penalized matrix decomposition, with applications to sparse principal components and canonical correlation analysis. Biostatistics, 2009, 10, 515-534.	1.5	1,139
50	Risk estimation of distant metastasis in node-negative, estrogen receptor-positive breast cancer patients using an RT-PCR based prognostic expression signature. BMC Cancer, 2008, 8, 339.	2.6	47
51	Combining biological gene expression signatures in predicting outcome in breast cancer: An alternative to supervised classification. European Journal of Cancer, 2008, 44, 2319-2329.	2.8	22
52	Radiation-induced gene expression in human subcutaneous fibroblasts is predictive of radiation-induced fibrosis. Radiotherapy and Oncology, 2008, 86, 314-320.	0.6	78
53	Penalized logistic regression for detecting gene interactions. Biostatistics, 2008, 9, 30-50.	1.5	314
54	Novel methods for the design and evaluation of marine protected areas in offshore waters. Conservation Letters, 2008, 1, 91-102.	5.7	171

#	ARTICLE	IF	CITATIONS
55	"Preconditioning" for feature selection and regression in high-dimensional problems. Annals of Statistics, 2008, 36, .	2.6	82
56	New multicategory boosting algorithms based on multicategory Fisher-consistent losses. Annals of Applied Statistics, 2008, 2, 1290-1306.	1.1	61
57	Gene Expression Programs of Human Smooth Muscle Cells: Tissue-Specific Differentiation and Prognostic Significance in Breast Cancers. PLoS Genetics, 2007, 3, e164.	3.5	56
58	Averaged gene expressions for regression. Biostatistics, 2007, 8, 212-227.	1.5	123
59	On the "degrees of freedom" of the lasso. Annals of Statistics, 2007, 35, 2173.	2.6	655
60	Pathwise coordinate optimization. Annals of Applied Statistics, 2007, 1, .	1.1	1,247
61	Sparse Principal Component Analysis. Journal of Computational and Graphical Statistics, 2006, 15, 265-286.	1.7	2,067
62	Prediction by Supervised Principal Components. Journal of the American Statistical Association, 2006, 101, 119-137.	3.1	568
63	Regularization and Variable Selection Via the Elastic Net. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2005, 67, 301-320.	2.2	12,982
64	Constrained ordination analysis with flexible response functions. Ecological Modelling, 2005, 187, 524-536.	2.5	26
65	Efficient quadratic regularization for expression arrays. Biostatistics, 2004, 5, 329-340.	1.5	83
66	Efficient quadratic regularization for expression arrays. Biostatistics, 2004, 5, 329-340.	1.5	44
67	Estimating the Number of Clusters in a Data Set Via the Gap Statistic. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2001, 63, 411-423.	2.2	3,996
68	Statistical Learning with Sparsity. , 0, , .		1,380