

Eric B Laber

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,586
citations

257101

24
h-index

214527

47
g-index

68
all docs

68
docs citations

68
times ranked

1644
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforced Risk Prediction With Budget Constraint Using Irregularly Measured Data From Electronic Health Records. <i>Journal of the American Statistical Association</i> , 2023, 118, 1090-1101.	1.8	1
2	A spatiotemporal recommendation engine for malaria control. <i>Biostatistics</i> , 2022, 23, 1023-1038.	0.9	5
3	Reinforcement Learning Methods in Public Health. <i>Clinical Therapeutics</i> , 2022, 44, 139-154.	1.1	9
4	Telehealth and racial disparities in colorectal cancer screening: A pilot study of how virtual clinician characteristics influence screening intentions. <i>Journal of Clinical and Translational Science</i> , 2022, 6, .	0.3	3
5	High-Dimensional Precision Medicine From Patient-Derived Xenografts. <i>Journal of the American Statistical Association</i> , 2021, 116, 1140-1154.	1.8	5
6	Receiver operating characteristic curves and confidence bands for support vector machines. <i>Biometrics</i> , 2021, 77, 1422-1430.	0.8	8
7	Introduction to the Theory and Methods Special Issue on Precision Medicine and Individualized Policy Discovery. <i>Journal of the American Statistical Association</i> , 2021, 116, 159-161.	1.8	3
8	Novel approach to modeling high-frequency activity data to assess therapeutic effects of analgesics in chronic pain conditions. <i>Scientific Reports</i> , 2021, 11, 7737.	1.6	1
9	A Pilot Study Examining the Efficacy of Delivering Colorectal Cancer Screening Messages via Virtual Health Assistants. <i>American Journal of Preventive Medicine</i> , 2021, 61, 251-255.	1.6	18
10	Estimation and Optimization of Composite Outcomes. <i>Journal of Machine Learning Research</i> , 2021, 22, .	62.4	0
11	Estimating Dynamic Treatment Regimes in Mobile Health Using V-Learning. <i>Journal of the American Statistical Association</i> , 2020, 115, 692-706.	1.8	56
12	Bayesian Nonparametric Policy Search With Application to Periodontal Recall Intervals. <i>Journal of the American Statistical Association</i> , 2020, 115, 1066-1078.	1.8	11
13	Ascertaining properties of weighting in the estimation of optimal treatment regimes under monotone missingness. <i>Statistics in Medicine</i> , 2020, 39, 3503-3520.	0.8	1
14	Q-Learning: Theory and Applications. <i>Annual Review of Statistics and Its Application</i> , 2020, 7, 279-301.	4.1	112
15	Use of standardized bioinformatics for the analysis of fungal DNA signatures applied to sample provenance. <i>Forensic Science International</i> , 2020, 310, 110250.	1.3	9
16	Evaluation of a Stepped-Care eHealth HIV Prevention Program for Diverse Adolescent Men Who Have Sex With Men: Protocol for a Hybrid Type 1 Effectiveness Implementation Trial of SMART. <i>JMIR Research Protocols</i> , 2020, 9, e19701.	0.5	26
17	Results of the Brief Jail Mental Health Screen Across Repeated Jail Bookings. <i>Psychiatric Services</i> , 2019, 70, 1006-1012.	1.1	2
18	Precision Medicine. <i>Annual Review of Statistics and Its Application</i> , 2019, 6, 263-286.	4.1	176

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19	Time course and prognostic value of serum GFAP, pNFH, and S100 β concentrations in dogs with complete spinal cord injury because of intervertebral disc extrusion. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 726-734.	0.6	36
20	Assessing Tuning Parameter Selection Variability in Penalized Regression. <i>Technometrics</i> , 2019, 61, 154-164.	1.3	1
21	Predictors of Response to 4-Aminopyridine in Chronic Canine Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2019, 36, 1428-1434.	1.7	10
22	Creating an mHealth App for Colorectal Cancer Screening: User-Centered Design Approach. <i>JMIR Human Factors</i> , 2019, 6, e12700.	1.0	40
23	Efficient augmentation and relaxation learning for individualized treatment rules using observational data. <i>Journal of Machine Learning Research</i> , 2019, 20, .	62.4	8
24	Identifying optimal dosage regimes under safety constraints: An application to long term opioid treatment of chronic pain. <i>Statistics in Medicine</i> , 2018, 37, 1407-1418.	0.8	13
25	Functional Feature Construction for Individualized Treatment Regimes. <i>Journal of the American Statistical Association</i> , 2018, 113, 1219-1227.	1.8	13
26	Incorporating Patient Preferences into Estimation of Optimal Individualized Treatment Rules. <i>Biometrics</i> , 2018, 74, 18-26.	0.8	24
27	Interpretable Dynamic Treatment Regimes. <i>Journal of the American Statistical Association</i> , 2018, 113, 1541-1549.	1.8	46
28	Optimal Treatment Allocations in Space and Time for On-Line Control of an Emerging Infectious Disease. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 743-789.	0.5	20
29	Optimal treatment allocations in space and time for on-line control of an emerging infectious disease. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 743-770.	0.5	9
30	Interactive Q -Learning for Quantiles. <i>Journal of the American Statistical Association</i> , 2017, 112, 638-649.	1.8	30
31	Optimizing delivery of a behavioral pain intervention in cancer patients using a sequential multiple assignment randomized trial SMART. <i>Contemporary Clinical Trials</i> , 2017, 57, 51-57.	0.8	27
32	Dynamic treatment regimes, past, present, and future: A conversation with experts. <i>Statistical Methods in Medical Research</i> , 2017, 26, 1605-1610.	0.7	6
33	Statistical Significance and the Dichotomization of Evidence: The Relevance of the ASA Statement on Statistical Significance and p-Values for Statisticians. <i>Journal of the American Statistical Association</i> , 2017, 112, 902-904.	1.8	52
34	Using pilot data to size a two-arm randomized trial to find a nearly optimal personalized treatment strategy. <i>Statistics in Medicine</i> , 2016, 35, 1245-1256.	0.8	19
35	Comment. <i>Journal of the American Statistical Association</i> , 2016, 111, 936-942.	1.8	4
36	Personalized Evaluation of Biomarker Value: A Cost-Benefit Perspective. <i>Statistics in Biosciences</i> , 2016, 8, 43-65.	0.6	2

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37	Multi-Objective Markov Decision Processes for Data-Driven Decision Support. <i>Journal of Machine Learning Research</i> , 2016, 17, .	62.4	9
38	On sparse representation for optimal individualized treatment selection with penalized outcome weighted learning. <i>Stat</i> , 2015, 4, 59-68.	0.3	34
39	Chapter 15: Estimation of dynamic treatment regimes for complex outcomes: Balancing benefits and risks. , 2015, , 249-262.		9
40	Double-Blind Randomized Placebo-Controlled Trials in the Treatment of Affective Disorders: Problems and Alternatives. <i>Current Treatment Options in Psychiatry</i> , 2015, 2, 262-270.	0.7	2
41	Using Decision Lists to Construct Interpretable and Parsimonious Treatment Regimes. <i>Biometrics</i> , 2015, 71, 895-904.	0.8	76
42	New Statistical Learning Methods for Estimating Optimal Dynamic Treatment Regimes. <i>Journal of the American Statistical Association</i> , 2015, 110, 583-598.	1.8	171
43	Characterizing expected benefits of biomarkers in treatment selection. <i>Biostatistics</i> , 2015, 16, 383-399.	0.9	9
44	Who will benefit from antidepressants in the acute treatment of bipolar depression? A reanalysis of the STEP-BD study by Sachs et al. 2007, using Q-learning. <i>International Journal of Bipolar Disorders</i> , 2015, 3, 7.	0.8	14
45	Fungi Identify the Geographic Origin of Dust Samples. <i>PLoS ONE</i> , 2015, 10, e0122605.	1.1	53
46	Interactive model building for Q-learning. <i>Biometrika</i> , 2014, 101, 831-847.	1.3	50
47	Inference about the expected performance of a data-driven dynamic treatment regime. <i>Clinical Trials</i> , 2014, 11, 408-417.	0.7	38
48	Set-valued dynamic treatment regimes for competing outcomes. <i>Biometrics</i> , 2014, 70, 53-61.	0.8	52
49	A multiple imputation strategy for sequential multiple assignment randomized trials. <i>Statistics in Medicine</i> , 2014, 33, 4202-4214.	0.8	38
50	Discussion of "Combining biomarkers to optimize patient treatment recommendation". <i>Biometrics</i> , 2014, 70, 707-710.	0.8	4
51	Estimation of optimal dynamic treatment regimes. <i>Clinical Trials</i> , 2014, 11, 400-407.	0.7	16
52	\mathbf{Q} - and \mathbf{A} -Learning Methods for Estimating Optimal Dynamic Treatment Regimes. <i>Statistical Science</i> , 2014, 29, 640-661.	1.6	145
53	Dynamic treatment regimes: Technical challenges and applications. <i>Electronic Journal of Statistics</i> , 2014, 8, 1225-1272.	0.4	98
54	Potassium Channel Antagonists 4-Aminopyridine and the T-Butyl Carbamate Derivative of 4-Aminopyridine Improve Hind Limb Function in Chronically Non-Ambulatory Dogs; A Blinded, Placebo-Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e116139.	1.1	24

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55	Robust estimation of optimal dynamic treatment regimes for sequential treatment decisions. <i>Biometrika</i> , 2013, 100, 681-694.	1.3	138
56	Assessing the Causal Effect of Organ Transplantation on the Distribution of Residual Lifetime. <i>Biometrics</i> , 2013, 69, 820-829.	0.8	16
57	Inference for Optimal Dynamic Treatment Regimes Using an Adaptive <i>m</i> -Out-of- <i>n</i> Bootstrap Scheme. <i>Biometrics</i> , 2013, 69, 714-723.	0.8	81
58	Estimating optimal treatment regimes from a classification perspective. <i>Stat</i> , 2012, 1, 103-114.	0.3	177
59	A Robust Method for Estimating Optimal Treatment Regimes. <i>Biometrics</i> , 2012, 68, 1010-1018.	0.8	317
60	Adaptive Confidence Intervals for the Test Error in Classification. <i>Journal of the American Statistical Association</i> , 2011, 106, 904-913.	1.8	50
61	Informing sequential clinical decision-making through reinforcement learning: an empirical study. <i>Machine Learning</i> , 2011, 84, 109-136.	3.4	105
62	Dynamic Treatment Regimes. , 0, , .		50