Eric B Laber

List of Publications by Year
in descending order

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	A Robust Method for Estimating Optimal Treatment Regimes. Biometrics, 2012, 68, 1010-1018.	0.8	317
2	Estimating optimal treatment regimes from a classification perspective. Stat, 2012, 1, 103-114.	0.3	177
3	Precision Medicine. Annual Review of Statistics and Its Application, 2019, 6, 263-286.	4.1	176
4	New Statistical Learning Methods for Estimating Optimal Dynamic Treatment Regimes. Journal of the American Statistical Association, 2015, 110, 583-598.	1.8	171
5	$\mathbf{Q}$- and $\mathbf{A}$-Learning Methods for Estimating Optimal Dynamic Treatment Regimes. Statistical Science, 2014, 29, 640-661.	1.6	145
6	Robust estimation of optimal dynamic treatment regimes for sequential treatment decisions. Biometrika, 2013, 100, 681-694.	1.3	138
7	Q-Learning: Theory and Applications. Annual Review of Statistics and Its Application, 2020, 7, 279-301.	4.1	112
8	Informing sequential clinical decision-making through reinforcement learning: an empirical study. Machine Learning, 2011, 84, 109-136.	3.4	105
9	Dynamic treatment regimes: Technical challenges and applications. Electronic Journal of Statistics, 2014, 8, 1225-1272.	0.4	98
10	Inference for Optimal Dynamic Treatment Regimes Using an Adaptive m‐Out‐of‐n Bootstrap Scheme. Biometrics, 2013, 69, 714-723.	0.8	81
11	Using Decision Lists to Construct Interpretable and Parsimonious Treatment Regimes. Biometrics, 2015, 71, 895-904.	0.8	76
12	Estimating Dynamic Treatment Regimes in Mobile Health Using V-Learning. Journal of the American Statistical Association, 2020, 115, 692-706.	1.8	56
13	Fungi Identify the Geographic Origin of Dust Samples. PLoS ONE, 2015, 10, e0122605.	1.1	53
14	Set‐valued dynamic treatment regimes for competing outcomes. Biometrics, 2014, 70, 53-61.	0.8	52
15	Statistical Significance and the Dichotomization of Evidence: The Relevance of the ASA Statement on Statistical Significance and p-Values for Statisticians. Journal of the American Statistical Association, 2017, 112, 902-904.	1.8	52
16	Adaptive Confidence Intervals for the Test Error in Classification. Journal of the American Statistical Association, 2011, 106, 904-913.	1.8	50
17	Interactive model building for Q-learning. Biometrika, 2014, 101, 831-847.	1.3	50
18	Dynamic Treatment Regimes. , 0, , .		50

#	Article	IF	Citations
19	Interpretable Dynamic Treatment Regimes. Journal of the American Statistical Association, 2018, 113, 1541-1549.	1.8	46
20	Creating an mHealth App for Colorectal Cancer Screening: User-Centered Design Approach. JMIR Human Factors, 2019, 6, e12700.	1.0	40
21	Inference about the expected performance of a data-driven dynamic treatment regime. Clinical Trials, 2014, 11, 408-417.	0.7	38
22	A multiple imputation strategy for sequential multiple assignment randomized trials. Statistics in Medicine, 2014, 33, 4202-4214.	0.8	38
23	Time course and prognostic value of serum GFAP, pNFH, and S100Î² concentrations in dogs with complete spinal cord injury because of intervertebral disc extrusion. Journal of Veterinary Internal Medicine, 2019, 33, 726-734.	0.6	36
24	On sparse representation for optimal individualized treatment selection with penalized outcome weighted learning. Stat, 2015, 4, 59-68.	0.3	34
25	Interactive Q-Learning for Quantiles. Journal of the American Statistical Association, 2017, 112, 638-649.	1.8	30
26	Optimizing delivery of a behavioral pain intervention in cancer patients using a sequential multiple assignment randomized trial SMART. Contemporary Clinical Trials, 2017, 57, 51-57.	0.8	27
27	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. JMIR Research Protocols, 2020, 9, e19701.	0.5	26
28	Incorporating Patient Preferences into Estimation of Optimal Individualized Treatment Rules. Biometrics, 2018, 74, 18-26.	0.8	24
29	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. PLoS ONE, 2014, 9, e116139.	1.1	24
30	Optimal Treatment Allocations in Space and Time for On-Line Control of an Emerging Infectious Disease. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 743-789.	0.5	20
31	Using pilot data to size a twoâ€arm randomized trial to find a nearly optimal personalized treatment strategy. Statistics in Medicine, 2016, 35, 1245-1256.	0.8	19
32	A Pilot Study Examining the Efficacy of Delivering Colorectal Cancer Screening Messages via Virtual Health Assistants. American Journal of Preventive Medicine, 2021, 61, 251-255.	1.6	18
33	Assessing the Causal Effect of Organ Transplantation on the Distribution of Residual Lifetime. Biometrics, 2013, 69, 820-829.	0.8	16
34	Estimation of optimal dynamic treatment regimes. Clinical Trials, 2014, 11, 400-407.	0.7	16
35	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. International Journal of Bipolar Disorders, 2015, 3, 7.	0.8	14
36	Identifying optimal dosage regimes under safety constraints: An application to long term opioid treatment of chronic pain. Statistics in Medicine, 2018, 37, 1407-1418.	0.8	13

#	Article	IF	Citations
37	Functional Feature Construction for Individualized Treatment Regimes. Journal of the American Statistical Association, 2018, 113, 1219-1227.	1.8	13
38	Bayesian Nonparametric Policy Search With Application to Periodontal Recall Intervals. Journal of the American Statistical Association, 2020, 115, 1066-1078.	1.8	11
39	Predictors of Response to 4-Aminopyridine in Chronic Canine Spinal Cord Injury. Journal of Neurotrauma, 2019, 36, 1428-1434.	1.7	10
40	Chapter 15: Estimation of dynamic treatment regimes for complex outcomes: Balancing benefits and risks. , 2015, , 249-262.		9
41	Characterizing expected benefits of biomarkers in treatment selection. Biostatistics, 2015, 16, 383-399.	0.9	9
42	Use of standardized bioinformatics for the analysis of fungal DNA signatures applied to sample provenance. Forensic Science International, 2020, 310, 110250.	1.3	9
43	Multi-Objective Markov Decision Processes for Data-Driven Decision Support. Journal of Machine Learning Research, 2016, 17, .	62.4	9
44	Optimal treatment allocations in space and time for on-line control of an emerging infectious disease. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 743-770.	0.5	9
45	Reinforcement Learning Methods in Public Health. Clinical Therapeutics, 2022, 44, 139-154.	1.1	9
46	Receiver operating characteristic curves and confidence bands for support vector machines. Biometrics, 2021, 77, 1422-1430.	0.8	8
47	Efficient augmentation and relaxation learning for individualized treatment rules using observational data. Journal of Machine Learning Research, 2019, 20, .	62.4	8
48	Dynamic treatment regimes, past, present, and future: A conversation with experts. Statistical Methods in Medical Research, 2017, 26, 1605-1610.	0.7	6
49	High-Dimensional Precision Medicine From Patient-Derived Xenografts. Journal of the American Statistical Association, 2021, 116, 1140-1154.	1.8	5
50	A spatiotemporal recommendation engine for malaria control. Biostatistics, 2022, 23, 1023-1038.	0.9	5
51	Discussion of â€œCombining biomarkers to optimize patient treatment recommendationâ€. Biometrics, 2014, 70, 707-710.	0.8	4
52	Comment. Journal of the American Statistical Association, 2016, 111, 936-942.	1.8	4
53	Introduction to the Theory and Methods Special Issue on Precision Medicine and Individualized Policy Discovery. Journal of the American Statistical Association, 2021, 116, 159-161.	1.8	3
54	Telehealth and racial disparities in colorectal cancer screening: A pilot study of how virtual clinician characteristics influence screening intentions. Journal of Clinical and Translational Science, 2022, 6, .	0.3	3

#	Article	IF	Citations
55	Double-Blind Randomized Placebo-Controlled Trials in the Treatment of Affective Disorders: Problems and Alternatives. Current Treatment Options in Psychiatry, 2015, 2, 262-270.	0.7	2
56	Personalized Evaluation of Biomarker Value: A Cost-Benefit Perspective. Statistics in Biosciences, 2016, 8, 43-65.	0.6	2
57	Results of the Brief Jail Mental Health Screen Across Repeated Jail Bookings. Psychiatric Services, 2019, 70, 1006-1012.	1.1	2
58	Assessing Tuning Parameter Selection Variability in Penalized Regression. Technometrics, 2019, 61, 154-164.	1.3	1
59	Ascertaining properties of weighting in the estimation of optimal treatment regimes under monotone missingness. Statistics in Medicine, 2020, 39, 3503-3520.	0.8	1
60	Novel approach to modeling high-frequency activity data to assess therapeutic effects of analgesics in chronic pain conditions. Scientific Reports, 2021, 11, 7737.	1.6	1
61	Reinforced Risk Prediction With Budget Constraint Using Irregularly Measured Data From Electronic Health Records. Journal of the American Statistical Association, 2023, 118, 1090-1101.	1.8	1
62	Estimation and Optimization of Composite Outcomes. Journal of Machine Learning Research, 2021, 22, .	62.4	0