

Joseph Cavanaugh

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,424
citations

279701

23
h-index

155592

55
g-index

68
all docs

68
docs citations

68
times ranked

5952
citing authors

#	ARTICLE	IF	CITATIONS
1	Unifying the derivations for the Akaike and corrected Akaike information criteria. <i>Statistics and Probability Letters</i> , 1997, 33, 201-208.	0.4	482
2	The Bayesian information criterion: background, derivation, and applications. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2012, 4, 199-203.	2.1	473
3	The Akaike information criterion: Background, derivation, properties, application, interpretation, and refinements. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2019, 11, e1460.	2.1	344
4	Ordered quantile normalization: a semiparametric transformation built for the cross-validation era. <i>Journal of Applied Statistics</i> , 2020, 47, 2312-2327.	0.6	285
5	Association of a Bundled Intervention With Surgical Site Infections Among Patients Undergoing Cardiac, Hip, or Knee Surgery. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 2162.	3.8	245
6	The Increase in Hospitalizations for Urinary Tract Infections and the Associated Costs in the United States, 1998–2011. <i>Open Forum Infectious Diseases</i> , 2017, 4, ofw281.	0.4	176
7	A large-sample model selection criterion based on Kullback's symmetric divergence. <i>Statistics and Probability Letters</i> , 1999, 42, 333-343.	0.4	153
8	Cystic fibrosis carriers are at increased risk for a wide range of cystic fibrosis-related conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1621-1627.	3.3	111
9	Generalizing the derivation of the schwarz information criterion. <i>Communications in Statistics - Theory and Methods</i> , 1999, 28, 49-66.	0.6	90
10	Wait-List Outcomes for Adults With Congenital Heart Disease Listed for Heart Transplantation in the U.S.. <i>Journal of the American College of Cardiology</i> , 2016, 68, 908-917.	1.2	87
11	An improved Akaike information criterion for state-space model selection. <i>Computational Statistics and Data Analysis</i> , 2006, 50, 2635-2654.	0.7	79
12	Cost of hospitalization for firearm injuries by firearm type, intent, and payer in the United States. <i>Injury Epidemiology</i> , 2017, 4, 20.	0.8	73
13	Criteria for Linear Model Selection Based on Kullback's Symmetric Divergence. <i>Australian and New Zealand Journal of Statistics</i> , 2004, 46, 257-274.	0.4	67
14	Regression and time series model selection using variants of the schwarz information criterion. <i>Communications in Statistics - Theory and Methods</i> , 1997, 26, 559-580.	0.6	62
15	Increased trend in extracorporeal membrane oxygenation use by adults in the United States since 2007. <i>BMC Research Notes</i> , 2015, 8, 686.	0.6	62
16	Bootstrap variants of the Akaike information criterion for mixed model selection. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 2004-2021.	0.7	59
17	Factors associated with early childhood caries incidence among high caries-risk children. <i>Community Dentistry and Oral Epidemiology</i> , 2015, 43, 366-374.	0.9	34
18	Missed Opportunities to Diagnose Tuberculosis Are Common Among Hospitalized Patients and Patients Seen in Emergency Departments. <i>Open Forum Infectious Diseases</i> , 2015, 2, ofv171.	0.4	32

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19	Child and Adolescent Sugar-Sweetened Beverage Intakes Are Longitudinally Associated with Higher Body Mass Index z Scores in a Birth Cohort Followed 17 Years. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2019, 119, 425-434.	0.4	31
20	Steering teens safe: a randomized trial of a parent-based intervention to improve safe teen driving. <i>BMC Public Health</i> , 2014, 14, 777.	1.2	28
21	State-space models for count time series with excess zeros. <i>Statistical Modelling</i> , 2015, 15, 70-90.	0.5	27
22	Histatin 5 binds to <i>Porphyromonas gingivalis</i> hemagglutinin B (HagB) and alters HagB-induced chemokine responses. <i>Scientific Reports</i> , 2014, 4, 3904.	1.6	27
23	Estimation Optimality of Corrected AIC and Modified Cp in Linear Regression. <i>International Statistical Review</i> , 2006, 74, 161-168.	1.1	26
24	Model selection criteria based on Kullback information measures for nonlinear regression. <i>Journal of Statistical Planning and Inference</i> , 2005, 134, 332-349.	0.4	23
25	Anti-bullying Policies and Disparities in Bullying: A State-Level Analysis. <i>American Journal of Preventive Medicine</i> , 2017, 53, 184-191.	1.6	23
26	Seasonal variation of depressive symptoms in unipolar major depressive disorder. <i>Comprehensive Psychiatry</i> , 2014, 55, 1891-1899.	1.5	19
27	The associations between dietary intakes from 36 to 60 months of age and primary dentition non-cavitated caries and cavitated caries. <i>Journal of Public Health Dentistry</i> , 2015, 75, 265-273.	0.5	19
28	Dental caries clusters among adolescents. <i>Community Dentistry and Oral Epidemiology</i> , 2017, 45, 538-544.	0.9	19
29	A Bayesian Approach to the Multiple Comparisons Problem. <i>Journal of Data Science</i> , 2006, 4, 131-146.	0.5	17
30	Cross validation model selection criteria for linear regression based on the Kullback-Leibler discrepancy. <i>Statistical Methodology</i> , 2005, 2, 249-266.	0.5	16
31	Performing T-tests to Compare Autocorrelated Time Series Data Collected from Direct-Reading Instruments. <i>Journal of Occupational and Environmental Hygiene</i> , 2015, 12, 743-752.	0.4	15
32	Public health application of predictive modeling: an example from farm vehicle crashes. <i>Injury Epidemiology</i> , 2019, 6, 31.	0.8	14
33	Beverage Consumption Patterns at Age 13 to 17 Years Are Associated with Weight, Height, and Body Mass Index at Age 17 Years. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2017, 117, 698-706.	0.4	12
34	Extending AIC to best subset regression. <i>Computational Statistics</i> , 2018, 33, 787-806.	0.8	12
35	Lighting and marking policies are associated with reduced farm equipment-related crash rates: a policy analysis of nine Midwestern US states. <i>Occupational and Environmental Medicine</i> , 2016, 73, 621-626.	1.3	11
36	Performance of Variable Selection Methods in Regression Using Variations of the Bayesian Information Criterion. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2008, 37, 507-520.	0.6	10

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37	Creatine Kinase Levels During Preseason Camp in National Collegiate Athletic Association Division I Football Athletes. <i>Clinical Journal of Sport Medicine</i> , 2014, 24, 438-440.	0.9	10
38	Evaluation of Iowa's anti-bullying law. <i>Injury Epidemiology</i> , 2016, 3, 15.	0.8	10
39	Randomized controlled study of aerosolized hypertonic xylitol versus hypertonic saline in hospitalized patients with pulmonary exacerbation of cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2020, 19, 108-113.	0.3	10
40	Frequency and Duration of, and Risk Factors for, Diagnostic Delays Associated with Histoplasmosis. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 438.	1.5	9
41	Modeling lateral control in driving studies. <i>Accident Analysis and Prevention</i> , 2010, 42, 891-897.	3.0	8
42	Resampling-based information criteria for best-subset regression. <i>Annals of the Institute of Statistical Mathematics</i> , 2012, 64, 1161-1186.	0.5	8
43	Differential cytotoxicity of long-chain bases for human oral gingival epithelial keratinocytes, oral fibroblasts, and dendritic cells. <i>Toxicology Letters</i> , 2015, 237, 21-29.	0.4	8
44	Bayesian multiple comparisons and model selection. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2018, 10, e1420.	2.1	8
45	Incidence, Duration, and Risk Factors Associated With Missed Opportunities to Diagnose Herpes Simplex Encephalitis: A Population-Based Longitudinal Study. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab400.	0.4	8
46	AIC identifies optimal representation of longitudinal dietary variables. <i>Journal of Public Health Dentistry</i> , 2017, 77, 360-371.	0.5	7
47	An assumption for the development of bootstrap variants of the Akaike information criterion in mixed models. <i>Statistics and Probability Letters</i> , 2008, 78, 1422-1429.	0.4	6
48	Model evaluation, discrepancy function estimation, and social choice theory. <i>Computational Statistics</i> , 2015, 30, 231-249.	0.8	6
49	An improved asymptotic test for the Jaccard similarity index for binary data. <i>Statistics and Probability Letters</i> , 2022, 184, 109375.	0.4	6
50	The Use of Public Mental Health Services by Older Californians and Complementary Service System Effects. <i>Journal of Behavioral Health Services and Research</i> , 2008, 35, 142-157.	0.6	5
51	An alternate version of the conceptual predictive statistic based on a symmetrized discrepancy measure. <i>Journal of Statistical Planning and Inference</i> , 2010, 140, 3389-3398.	0.4	5
52	A multistage algorithm for best-subset model selection based on the Kullback-Leibler discrepancy. <i>Computational Statistics</i> , 2016, 31, 643-669.	0.8	5
53	Beverage Intakes and Toothbrushing During Childhood Are Associated With Caries at Age 17 Years. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2021, 121, 253-260.	0.4	5
54	Dental Caries in High-risk, School-age African American Children in Alabama: A Six-year Prospective. <i>Pediatric Dentistry (discontinued)</i> , 2016, 38, 224-30.	0.4	5

#	ARTICLE	IF	CITATIONS
55	Longitudinal associations between dental caries increment and risk factors in late childhood and adolescence. <i>Journal of Public Health Dentistry</i> , 2018, 78, 321-328.	0.5	4
56	A randomized trial to test the impact of parent communication on improving in-vehicle feedback systems. <i>Accident Analysis and Prevention</i> , 2019, 131, 63-69.	3.0	4
57	Description of Child and Adolescent Beverage and Anthropometric Measures According to Adolescent Beverage Patterns. <i>Nutrients</i> , 2018, 10, 958.	1.7	3
58	Reconceptualizing the p-value from a likelihood ratio test: a probabilistic pairwise comparison of models based on Kullback-Leibler discrepancy measures. <i>Journal of Applied Statistics</i> , 2020, 47, 2582-2609.	0.6	3
59	Cost, Severity and Prevalence of Agricultural-Related Injury Workers' Compensation Claims in Farming Operations from 14 U.S. States. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4309.	1.2	3
60	Associations between body mass index and body composition measures in a birth cohort. <i>Pediatric Research</i> , 2022, 91, 1606-1615.	1.1	3
61	Agglomerative and divisive hierarchical Bayesian clustering. <i>Computational Statistics and Data Analysis</i> , 2022, 176, 107566.	0.7	3
62	Differential cytotoxicity of long-chain bases for human oral gingival epithelial keratinocytes, oral fibroblasts, and dendritic cells. <i>Data in Brief</i> , 2015, 5, 285-291.	0.5	2
63	Best-subset model selection based on multitudinal assessments of likelihood improvements. <i>Journal of Applied Statistics</i> , 2020, 47, 2384-2420.	0.6	2
64	The Risk and Protective Factors for Pediatric Eye Injuries: A Case-Crossover Study. <i>Ophthalmic Epidemiology</i> , 2021, 28, 479-487.	0.8	2
65	Discrepancy-Based Model Selection Criteria Using Cross-Validation. , 2008, , 473-486.		2
66	Ranked sparsity: a cogent regularization framework for selecting and estimating feature interactions and polynomials. <i>ASTA Advances in Statistical Analysis</i> , 2022, 106, 427-454.	0.4	1
67	Discussion of prior-based Bayesian information criterion (PBIC) by M.J. Bayarria, James O. Berger, Woncheol Jang, Surajit Ray, Luis R. Pericchi, and Ingmar Visser. <i>Statistical Theory and Related Fields</i> , 2019, 3, 32-34.	0.2	0
68	Identification of and Associations among Low, Middle, and High Body Composition Trajectories from Age 5- to 17-Years. <i>Children</i> , 2020, 7, 192.	0.6	0