

Wesley O Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

3,335
citations

186265

28
h-index

155660

55
g-index

81
all docs

81
docs citations

81
times ranked

2674
citing authors

#	ARTICLE	IF	CITATIONS
1	Normal Approximation for Bayesian Mixed Effects Binomial Regression Models. <i>Bayesian Analysis</i> , 2022, 17, 1-17.	3.0	0
2	Comment on "Eels Group Testing Ready for Prime Time in Disease Identification?". <i>Statistics in Medicine</i> , 2021, 40, 3889-3891.	1.6	0
3	Analysis of German BSE Surveillance Data: Estimation of the Prevalence of Confirmed Cases versus the Number of Infected, but Non-Detected, Cattle to Assess Confidence in Freedom from Infection. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9966.	2.6	0
4	Patterns of Cardiometabolic Health as Midlife Women Transition to Menopause: A Prospective Multiethnic Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1404-1412.	3.6	20
5	Gold standards are out and Bayes is in: Implementing the cure for imperfect reference tests in diagnostic accuracy studies. <i>Preventive Veterinary Medicine</i> , 2019, 167, 113-127.	1.9	41
6	Comparing Objective and Subjective Bayes Factors for the Two-Sample Comparison: The Classification Theorem in Action. <i>American Statistician</i> , 2019, 73, 22-31.	1.6	5
7	More nonparametric Bayesian inference in applications. <i>Statistical Methods and Applications</i> , 2018, 27, 239-251.	1.2	2
8	Factors associated with reasons incontinent midlife women report for not seeking urinary incontinence treatment over 9 years across the menopausal transition. <i>Menopause</i> , 2018, 25, 29-37.	2.0	30
9	Associations between urinary biomarkers of polycyclic aromatic hydrocarbon exposure and reproductive function during menstrual cycles in women. <i>Environment International</i> , 2017, 100, 110-120.	10.0	30
10	STARD-BLCM: Standards for the Reporting of Diagnostic accuracy studies that use Bayesian Latent Class Models. <i>Preventive Veterinary Medicine</i> , 2017, 138, 37-47.	1.9	161
11	Reporting guidelines for diagnostic accuracy studies that use Bayesian latent class models (STARD-BLCM). <i>Statistics in Medicine</i> , 2017, 36, 3603-3604.	1.6	7
12	Bayesian Methods in Public Health. <i>Handbook of Statistics</i> , 2017, 36, 407-442.	0.6	1
13	Bayesian modeling and inference for diagnostic accuracy and probability of disease based on multiple diagnostic biomarkers with and without a perfect reference standard. <i>Statistics in Medicine</i> , 2016, 35, 859-876.	1.6	12
14	Environmental tobacco smoke and risk of late-diagnosis incident fibroids in the Study of Women's Health across the Nation (SWAN). <i>Fertility and Sterility</i> , 2016, 106, 1157-1164.	1.0	9
15	A Bayesian Superpopulation Approach to Inference for Finite Populations Based on Imperfect Diagnostic Outcomes. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2016, 21, 314-327.	1.4	6
16	Triglyceride Levels and Fracture Risk in Midlife Women: Study of Women's Health Across the Nation (SWAN). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3297-3305.	3.6	20
17	Circulating Sex Hormones and Risk of Uterine Fibroids: Study of Women's Health Across the Nation (SWAN). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 123-130.	3.6	33
18	Flexible regression models for ROC and risk analysis, with or without a gold standard. <i>Statistics in Medicine</i> , 2015, 34, 3997-4015.	1.6	22

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19	Split Hamiltonian Monte Carlo. <i>Statistics and Computing</i> , 2014, 24, 339-349.	1.5	34
20	Prior Elicitation: Interactive Spreadsheet Graphics With Sliders Can Be Fun, and Informative. <i>American Statistician</i> , 2014, 68, 42-51.	1.6	18
21	Bayesian semi-parametric joint modeling of biomarker data with a latent changepoint: assessing the temporal performance of Enzyme-Linked Immunosorbent Assay (ELISA) testing for paratuberculosis. <i>Statistics and Its Interface</i> , 2014, 7, 417-438.	0.3	2
22	Comparison of pre- and post-vaccination ovine Johne's disease prevalence using a Bayesian approach. <i>Preventive Veterinary Medicine</i> , 2013, 111, 81-91.	1.9	22
23	Comment: Bayesian Statistics in the Twenty First Century. <i>American Statistician</i> , 2013, 67, 9-11.	1.6	4
24	Bayesian estimation of the sensitivity and specificity of individual fecal culture and Paralisa to detect <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in young farmed deer. <i>Journal of Veterinary Diagnostic Investigation</i> , 2013, 25, 759-764.	1.1	12
25	Robust Medical Test Evaluation Using Flexible Bayesian Semiparametric Regression Models. <i>Epidemiology Research International</i> , 2013, 2013, 1-8.	0.2	7
26	Rejoinder for "Predictive comparison of joint longitudinal-survival modeling: a case study illustrating competing approaches". <i>Lifetime Data Analysis</i> , 2011, 17, 37-42.	0.9	0
27	Diagnostic Performance Tests for Suspected Scaphoid Fractures Differ with Conventional and Latent Class Analysis. <i>Clinical Orthopaedics and Related Research</i> , 2011, 469, 3400-3407.	1.5	22
28	A Bayesian Approach to Estimate OJD Prevalence From Pooled Fecal Samples of Variable Pool Size. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2010, 15, 452-473.	1.4	19
29	Identifiability of Models for Multiple Diagnostic Testing in the Absence of a Gold Standard. <i>Biometrics</i> , 2010, 66, 855-863.	1.4	99
30	On the interpretation of test sensitivity in the two-test two-population problem: Assumptions matter. <i>Preventive Veterinary Medicine</i> , 2009, 91, 116-121.	1.9	30
31	Semiparametric inference for survival models with step process covariates. <i>Canadian Journal of Statistics</i> , 2009, 37, 60-79.	0.9	11
32	Evaluating a Continuous Biomarker for Infection by using Observed Disease Status with Covariate Effects on Disease. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2009, 58, 705-717.	1.0	9
33	Modeling bivariate longitudinal diagnostic outcome data in the absence of a gold standard. <i>Statistics and Its Interface</i> , 2009, 2, 171-185.	0.3	10
34	Bayesian semiparametric ROC curve estimation and disease diagnosis. <i>Statistics in Medicine</i> , 2008, 27, 2474-2496.	1.6	51
35	The Evolution of Teaching Bayesian Statistics to Nonstatisticians. <i>American Statistician</i> , 2008, 62, 199-201.	1.6	3
36	BAYESIAN BETA REGRESSION: APPLICATIONS TO HOUSEHOLD EXPENDITURE DATA AND GENETIC DISTANCE BETWEEN FOOT-AND-MOUTH DISEASE VIRUSES. <i>Australian and New Zealand Journal of Statistics</i> , 2007, 49, 287-301.	0.9	71

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37	Sample size calculations for studies designed to evaluate diagnostic test accuracy. Journal of Agricultural, Biological, and Environmental Statistics, 2007, 12, 112-127.	1.4	11
38	Bayesian estimation of cluster-level test accuracy based on different sampling schemes. Journal of Agricultural, Biological, and Environmental Statistics, 2007, 12, 250-271.	1.4	2
39	Large-Sample Joint Posterior Approximations When Full Conditionals Are Approximately Normal. Journal of the American Statistical Association, 2006, 101, 795-811.	3.1	4
40	Diagnosis using predictive probabilities without cut-offs. Statistics in Medicine, 2006, 25, 699-717.	1.6	25
41	Bayesian inferences for receiver operating characteristic curves in the absence of a gold standard. Journal of Agricultural, Biological, and Environmental Statistics, 2006, 11, 210-229.	1.4	66
42	Factors affecting sensitivity and specificity of pooled-sample testing for diagnosis of low prevalence infections. Preventive Veterinary Medicine, 2006, 74, 309-322.	1.9	51
43	Bayesian inference for prevalence and diagnostic test accuracy based on dual-pooled screening. Biostatistics, 2005, 7, 41-57.	1.5	14
44	The Bayesian Two-Sample Test. American Statistician, 2005, 59, 252-257.	1.6	74
45	Sample Size Calculations for Surveys to Substantiate Freedom of Populations from Infectious Agents. Biometrics, 2004, 60, 165-171.	1.4	41
46	Modelling risk when binary outcomes are subject to error. Statistics in Medicine, 2004, 23, 1095-1109.	1.6	96
47	Diagnostic test accuracy and prevalence inferences based on joint and sequential testing with finite population sampling. Statistics in Medicine, 2004, 23, 2237-2255.	1.6	23
48	A Bayesian Semiparametric AFT Model for Interval-Censored Data. Journal of Computational and Graphical Statistics, 2004, 13, 341-361.	1.7	39
49	Hierarchical models for estimating herd prevalence and test accuracy in the absence of a gold standard. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 223-239.	1.4	70
50	Determining the infection status of a herd. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 469-485.	1.4	20
51	A mixture model for bovine abortion and foetal survival. Statistics in Medicine, 2003, 22, 1725-1739.	1.6	26
52	Correlation-adjusted estimation of sensitivity and specificity of two diagnostic tests. Journal of the Royal Statistical Society Series C: Applied Statistics, 2003, 52, 63-76.	1.0	146
53	Hierarchical Models for Estimating Herd Prevalence and Test Accuracy in the Absence of a Gold Standard. Journal of Agricultural, Biological, and Environmental Statistics, 2003, 8, 223-239.	1.4	2
54	A method of probability diagnostic assignment that applies Bayes theorem for use in serologic diagnostics, using an example of Neospora caninum infection in cattle. American Journal of Veterinary Research, 2002, 63, 318-325.	0.6	15

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55	Modeling Regression Error With a Mixture of Polya Trees. Journal of the American Statistical Association, 2002, 97, 1020-1033.	3.1	174
56	NONNESTED LINEAR MODEL SELECTION REVISITED. Communications in Statistics - Theory and Methods, 2001, 30, 1-20.	1.0	8
57	Bayesian accelerated failure time analysis with application to veterinary epidemiology. , 2000, 19, 221-237.		24
58	Dual group screening. Journal of Statistical Planning and Inference, 2000, 83, 449-473.	0.6	23
59	Estimation of sensitivity and specificity of diagnostic tests and disease prevalence when the true disease state is unknown. Preventive Veterinary Medicine, 2000, 45, 61-81.	1.9	396
60	Log-linear and logistic modeling of dependence among diagnostic tests. Preventive Veterinary Medicine, 2000, 45, 123-137.	1.9	22
61	A Statistical Model for Assessing Sample Size for Bacterial Colony Selection: A Case Study of <i>Escherichia Coli</i> and Avian Cellulitis. Journal of Veterinary Diagnostic Investigation, 2000, 12, 118-125.	1.1	23
62	Pooled-Sample Testing as a Herd-Screening Tool for Detection of Bovine Viral Diarrhea Virus Persistently Infected Cattle. Journal of Veterinary Diagnostic Investigation, 2000, 12, 195-203.	1.1	68
63	Dual Screening. Biometrics, 1999, 55, 867-873.	1.4	8
64	Comparison of methods for estimation of individual-level prevalence based on pooled samples. Preventive Veterinary Medicine, 1999, 39, 211-225.	1.9	148
65	The non-significance of straw man arguments. Behavioral and Brain Sciences, 1998, 21, 226-227.	0.7	1
66	Bayesian Binomial Regression: Predicting Survival at a Trauma Center. American Statistician, 1997, 51, 211-218.	1.6	36
67	Bayesian Binomial Regression: Predicting Survival at a Trauma Center. American Statistician, 1997, 51, 211.	1.6	49
68	A New Perspective on Priors for Generalized Linear Models. Journal of the American Statistical Association, 1996, 91, 1450-1460.	3.1	202
69	A New Perspective on Priors for Generalized Linear Models. Journal of the American Statistical Association, 1996, 91, 1450.	3.1	140
70	Testing independence when the form of the bivariate distribution is unspecified. Statistics in Medicine, 1995, 14, 1621-1639.	1.6	4
71	Screening with Cost-Effective Quality Control: Potential Applications to HIV and Drug Testing. Journal of the American Statistical Association, 1994, 89, 972-981.	3.1	78
72	Screening with Cost-Effective Quality Control: Potential Applications to HIV and Drug Testing. Journal of the American Statistical Association, 1994, 89, 972.	3.1	21

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73	Bayesian analysis of screening data: Application to AIDS in blood donors. Canadian Journal of Statistics, 1991, 19, 135-150.	0.9	35
74	Regression models for time to seroconversion following experimental bovine leukaemia virus infection. Statistics in Medicine, 1989, 8, 725-741.	1.6	15
75	The Detection of Influential Observations for Allocation, Separation, and the Determination of Probabilities in a Bayesian Framework. Journal of Business and Economic Statistics, 1987, 5, 369-381.	2.9	11
76	Bayesian nonparametric survival analysis for grouped data. Canadian Journal of Statistics, 1986, 14, 307-314.	0.9	19
77	A monte carlo comparison of bayesian estimators and trimmed means. Journal of Statistical Computation and Simulation, 1986, 25, 167-192.	1.2	2
78	A Predictive View of the Detection and Characterization of Influential Observations in Regression Analysis. Journal of the American Statistical Association, 1983, 78, 137-144.	3.1	123
79	A Predictive View of the Detection and Characterization of Influential Observations in Regression Analysis. Journal of the American Statistical Association, 1983, 78, 137.	3.1	30
80	Bayesian Ideas and Data Analysis. , 0, , .		125