Dipak K Dey

List of Publications by Year
in descending order

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117 papers	2,917 citations	304743 22 h-index	189892 50 g-index
118 all docs	118 docs citations	118 times ranked	1678 citing authors

#	Article	IF	Citations
1	Zeroâ€inflated Poisson model with clustered regression coefficients: Application to heterogeneity learning of field goal attempts of professional basketball players. Canadian Journal of Statistics, 2023, 51, 157-172.	0.9	3
2	Estimation of COVID-19 mortality in the United States using Spatio-temporal Conway Maxwell Poisson model. Spatial Statistics, 2022, 49, 100542.	1.9	6
3	On Moments of Folded and Doubly Truncated Multivariate Extended Skew-Normal Distributions. Journal of Computational and Graphical Statistics, 2022, 31, 455-465.	1.7	9
4	Fully and empirical Bayes approaches to estimating copula-based models for bivariate mixed outcomes using Hamiltonian Monte Carlo. Test, 2021, 30, 133-152.	1.1	1
5	Generalized co-sparse factor regression. Computational Statistics and Data Analysis, 2021, 157, 107127.	1.2	5
6	Bregman divergence to generalize Bayesian influence measures for data analysis. Journal of Statistical Planning and Inference, 2021, 213, 222-232.	0.6	1
7	Prostate Cancer Diagnosis in the Clinic Using an 8-Protein Biomarker Panel. Analytical Chemistry, 2021, 93, 1059-1067.	6.5	22
8	Comparisons of zeroâ€augmented continuous regression models from a Bayesian perspective. Statistics in Medicine, 2021, 40, 1073-1100.	1.6	3
9	A note on response mean confidence band for linear regression models. Communications in Statistics Part B: Simulation and Computation, 2021, 50, 778-785.	1.2	0
10	Scalable spatioâ€temporal Bayesian analysis of highâ€dimensional electroencephalography data. Canadian Journal of Statistics, 2021, 49, 107-128.	0.9	0
11	Approximate Inferences for Nonlinear Mixed Effects Models with Scale Mixtures of Skew-Normal Distributions. Journal of Statistical Theory and Practice, 2021, 15, 1.	0.5	8
12	Spatial Tweedie exponential dispersion models: an application to insurance rate-making. Scandinavian Actuarial Journal, 2021, 2021, 1017-1036.	1.7	3
13	On Posterior Properties of the Two Parameter Gamma Family of Distributions. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20190826.	0.8	2
14	A new class of regression model for a bounded response with application in the study of the incidence rate of colorectal cancer. Statistical Methods in Medical Research, 2020, 29, 2015-2033.	1.5	14
15	An extended poisson family of life distribution: a unified approach in competitive and complementary risks. Journal of Applied Statistics, 2020, 47, 306-322.	1.3	6
16	Mixed effects state-space models with Student-t errors. Journal of Statistical Computation and Simulation, 2020, 90, 3157-3174.	1.2	0
17	Classification of highâ€dimensional electroencephalography data with location selection using structured spikeâ€andâ€slab prior. Statistical Analysis and Data Mining, 2020, 13, 465-481.	2.8	2
18	On foundation of statistical inference by C R Rao relating to information inequality. Proceedings of the Indian Academy of Sciences: Mathematical Sciences, 2020, 130, 1.	0.1	0

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19	Application of a Vine Copula for Multi-Line Insurance Reserving. Risks, 2020, 8, 111.	2.4	4
20	Bayesian analysis of Birnbaum-Saunders survival model with cure fraction under a variety of activation mechanism. Model Assisted Statistics and Applications, 2020, 15, 35-51.	0.3	3
21	Bayesian variable selection using spikeâ€andâ€slab priors with application to high dimensional electroencephalography data by local modelling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 1305-1326.	1.0	3
22	Performance of asymmetric links and correction methods for imbalanced data in binary regression. Journal of Statistical Computation and Simulation, 2019, 89, 1694-1714.	1.2	4
23	A Bayesian piecewise survival cure rate model for spatially clustered data. Spatial and Spatio-temporal Epidemiology, 2019, 29, 149-159.	1.7	0
24	D-Measure: A Bayesian Model Selection Criterion for Survival Data. Advances in Data Science and Adaptive Analysis, 2019, 11, 1950007.	0.4	1
25	THE DEGREE PROFILE AND GINI INDEX OF RANDOM CATERPILLAR TREES. Probability in the Engineering and Informational Sciences, 2019, 33, 511-527.	0.8	6
26	Flexible regression modeling for censored data based on mixtures of student-t distributions. Computational Statistics, 2019, 34, 123-152.	1.5	6
27	Asymptotic Properties of Marginal Least-Square Estimator for Ultrahigh-Dimensional Linear Regression Models with Correlated Errors. American Statistician, 2019, 73, 4-9.	1.6	1
28	Variable selection for correlated bivariate mixed outcomes using penalized generalized estimating equations. Statistics and Its Interface, 2019, 12, 265-274.	0.3	1
29	Estimation and influence diagnostics for zero-inflated hyper-Poisson regression model: full Bayesian analysis. Communications in Statistics - Theory and Methods, 2018, 47, 2741-2759.	1.0	3
30	Bayesian Design of Non-inferiority Clinical Trials Via the Bayes Factor. Statistics in Biosciences, 2018, 10, 439-459.	1.2	11
31	Categorical Data Analysis Using a Skewed Weibull Regression Model. Entropy, 2018, 20, 176.	2.2	5
32	Leveraging mixed and incomplete outcomes via reduced-rank modeling. Journal of Multivariate Analysis, 2018, 167, 378-394.	1.0	16
33	Bayesian MAP estimation using Gaussian and diffusedâ€gamma prior. Canadian Journal of Statistics, 2018, 46, 399-415.	0.9	2
34	The Marshall-Olkin generalized gamma distribution. Communications for Statistical Applications and Methods, 2018, 25, 245-261.	0.3	4
35	Bayesian sparse reduced rank multivariate regression. Journal of Multivariate Analysis, 2017, 157, 14-28.	1.0	19
36	Scale mixtures log-Birnbaumâ€“Saunders regression models with censored data: a Bayesian approach. Journal of Statistical Computation and Simulation, 2017, 87, 2002-2022.	1.2	3

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37	Censored regression models with autoregressive errors: A likelihoodâ€based perspective. Canadian Journal of Statistics, 2017, 45, 375-392.	0.9	8
38	Influence diagnostics in spatial models with censored response. Environmetrics, 2017, 28, e2464.	1.4	5
39	Regularizing Portfolio Risk Analysis: A Bayesian Approach. Methodology and Computing in Applied Probability, 2017, 19, 865-889.	1.2	3
40	Sequential Co-Sparse Factor Regression. Journal of Computational and Graphical Statistics, 2017, 26, 814-825.	1.7	16
41	Statistical Tests for Large Tree-Structured Data. Journal of the American Statistical Association, 2017, 112, 1733-1743.	3.1	3
42	A Bayesian Approach to Robust Skewed Autoregressive Processes. Calcutta Statistical Association Bulletin, 2017, 69, 165-182.	0.3	26
43	Flexible Link Functions in Nonparametric Binary Regression with Gaussian Process Priors. Biometrics, 2016, 72, 707-719.	1.4	10
44	A flexible cure rate model for spatially correlated survival data based on generalized extreme value distribution and Gaussian process priors. Biometrical Journal, 2016, 58, 1178-1197.	1.0	10
45	Latent class analysis of incomplete data via an entropy-based criterion. Statistical Methodology, 2016, 32, 107-121.	0.5	26
46	Bayesian inference and diagnostics in zero-inflated generalized power series regression model. Communications in Statistics - Theory and Methods, 2016, 45, 6553-6568.	1.0	2
47	Time series effects of dissolved oxygen and nitrogen on Long Island Sound lobster harvest. Natural Hazards, 2016, 84, 1849-1858.	3.4	2
48	Canonical variate regression. Biostatistics, 2016, 17, 468-483.	1.5	17
49	A New lifetime model for multivariate survival data with a surviving fraction. Journal of Statistical Computation and Simulation, 2016, 86, 279-292.	1.2	4
50	A transformation class for spatio-temporal survival data with a cure fraction. Statistical Methods in Medical Research, 2016, 25, 167-187.	1.5	8
51	Flexible link functions in a joint model of binary and longitudinal data. Stat, 2015, 4, 320-330.	0.4	9
52	Bayesian Estimation of a Skew-Student-t Stochastic Volatility Model. Methodology and Computing in Applied Probability, 2015, 17, 721-738.	1.2	30
53	Bayesian Markov Chain Random Field Cosimulation for Improving Land Cover Classification Accuracy. Mathematical Geosciences, 2015, 47, 123-148.	2.4	29
54	Binary state space mixed models with flexible link functions: a case study on deep brain stimulation on attention reaction time. Statistics and Its Interface, 2015, 8, 187-194.	0.3	2

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55	Asymptotics of the Empirical Cross-over Function. Annals of the Institute of Statistical Mathematics, 2014, 66, 369-382.	0.8	1
56	Bayesian model diagnostics using functional Bregman divergence. Journal of Multivariate Analysis, 2014, 124, 371-383.	1.0	14
57	Bayesian Spatial-Temporal Modeling of Ecological Zero-Inflated Count Data. Statistica Sinica, 2014, 25, 189-204.	0.3	8
58	Bayesian inference in nonlinear mixed-effects models using normal independent distributions. Computational Statistics and Data Analysis, 2013, 64, 237-252.	1.2	28
59	On Dynamic Generalized Linear Models with Applications. Methodology and Computing in Applied Probability, 2013, 15, 407-421.	1.2	8
60	On a Type of Probability Stopping Rule for Toxicity Study. Sequential Analysis, 2013, 32, 382-403.	0.5	0
61	Modeling experimental cross-transiograms of neighboring landscape categories with the gamma distribution. International Journal of Geographical Information Science, 2012, 26, 599-620.	4.8	9
62	Bayesian modeling of bathtub shaped hazard rate using various Weibull extensions and related issues of model selection. Sankhya B, 2012, 74, 15-43.	0.9	14
63	Modeling Associations Among Multivariate Longitudinal Categorical Variables in Survey Data: A Semiparametric Bayesian Approach. Psychometrika, 2012, 77, 670-692.	2.1	1
64	Linear and Nonlinear Mixed-Effects Models for Censored HIV Viral Loads Using Normal/Independent Distributions. Biometrics, 2011, 67, 1594-1604.	1.4	56
65	Generalized extreme value regression for ordinal response data. Environmental and Ecological Statistics, 2011, 18, 619-634.	3.5	9
66	Intervention Analysis of Hurricane Effects onÂSnail Abundance in a Tropical Forest Using Long-Term Spatiotemporal Data. Journal of Agricultural, Biological, and Environmental Statistics, 2011, 16, 142-156.	1.4	8
67	A comparison of generalized multinomial logit and latent class approaches to studying consumer heterogeneity with some extensions of the generalized multinomial logit model. Applied Stochastic Models in Business and Industry, 2011, 27, 567-578.	1.5	8
68	Three-dimensional visualization and identification of objects in photon starved scenes using statistical estimation. , 2011, , .		0
69	Modeling Survival Data Using the Piecewise Exponential Model with Random Time Grid. , 2011, , 109-122.		1
70	Generalized extreme value regression for binary response data: An application to B2B electronic payments system adoption. Annals of Applied Statistics, 2010, 4, .	1.1	94
71	Estimating threshold-exceeding probability maps of environmental variables with Markov chain random fields. Stochastic Environmental Research and Risk Assessment, 2010, 24, 1113-1126.	4.0	9
72	Bayesian isotonic changepoint analysis. Annals of the Institute of Statistical Mathematics, 2009, 61, 355-370.	0.8	4

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73	Model Based Penalized Clustering for Multivariate Data. Statistical Science and Interdisciplinary Research, 2009, , 53-71.	0.0	0
74	Flexible generalized t-link models for binary response data. Biometrika, 2008, 95, 93-106.	2.4	63
75	Modeling Multilevel Survival Data Using Frailty Models. Communications in Statistics - Theory and Methods, 2008, 37, 1734-1741.	1.0	7
76	Bayesian Estimation of Stochastic Frontier Models with Multivariate SkewtError Terms. Communications in Statistics - Theory and Methods, 2007, 36, 907-916.	1.0	9
77	Reconciling Bayesian and Frequentist Evidence in the One-Sided Scale Parameter Testing Problem. Communications in Statistics - Theory and Methods, 2007, 36, 1123-1138.	1.0	4
78	Bayesian analysis of generalized odds-rate hazards models for survival data. Lifetime Data Analysis, 2007, 13, 241-260.	0.9	31
79	DIFFERENTIATION AMONG POPULATIONS WITH MIGRATION, MUTATION, AND DRIFT: IMPLICATIONS FOR GENETIC INFERENCE. Evolution; International Journal of Organic Evolution, 2006, 60, 1-12.	2.3	24
80	Statistical approach to metabonomic analysis of rat urine following surgical trauma. Journal of Chemometrics, 2006, 20, 87-98.	1.3	8
81	On Bayesian Analysis of Generalized Linear Models Using the Jacobian Technique. American Statistician, 2006, 60, 264-268.	1.6	10
82	Multitude of multivariatet-distributions. Statistics, 2005, 39, 149-181.	0.6	7
83	Assessing shape differences in populations of shapes using the complex watson shape distribution. Journal of Applied Statistics, 2005, 32, 105-116.	1.3	1
84	Bayesian Model Choice in Exponential Survival Models. Communications in Statistics - Theory and Methods, 2005, 34, 2311-2330.	1.0	1
85	On Measuring Loss Robustness Using Maximum A Posteriori Estimate. Communications in Statistics - Theory and Methods, 2004, 33, 1069-1085.	1.0	3
86	A new class of multivariate skew distributions with applications to bayesian regression models. Canadian Journal of Statistics, 2003, 31, 129-150.	0.9	479
87	A semiparametric model for compositional data analysis in presence of covariates on the simplex. Test, 2002, 11, 303-315.	1.1	2
88	A General Class of Change Point and Change Curve Modeling for Life Time Data. Annals of the Institute of Statistical Mathematics, 2002, 54, 517-530.	0.8	16
89	APPLYING THE SAVAGE-DICKEY DENSITY RATIO TO DEFAULT BAYES FACTORS, WITH AN ILLUSTRATION TO OUTLIER DETECTION IN RANDOM EFFECTS MODELS. Communications in Statistics - Theory and Methods, 2001, 30, 2563-2582.	1.0	1
90	A General Class of Multivariate Skew-Elliptical Distributions. Journal of Multivariate Analysis, 2001, 79, 99-113.	1.0	566

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91	A comparison of frailty and other models for bivariate survival data. Lifetime Data Analysis, 2000, 6, 207-228.	0.9	36
92	Multivariate Survival Models with a Mixture of Positive Stable Frailties. Methodology and Computing in Applied Probability, 2000, 2, 293-308.	1.2	10
93	Multivariate process capability a bayesian perspective. Communications in Statistics Part B: Simulation and Computation, 2000, 29, 667-687.	1.2	14
94	Multivariate Survival Analysis with Positive Stable Frailties. Biometrics, 1999, 55, 637-644.	1.4	32
95	A New Skewed Link Model for Dichotomous Quantal Response Data. Journal of the American Statistical Association, 1999, 94, 1172-1186.	3.1	122
96	A New Skewed Link Model for Dichotomous Quantal Response Data. Journal of the American Statistical Association, 1999, 94, 1172.	3.1	25
97	Boxâ€“Cox transformations in Bayesian analysis of compositional data. Environmetrics, 1998, 9, 657-671.	1.4	10
98	A simulation-intensive approach for checking hierarchical models. Test, 1998, 7, 325-346.	1.1	56
99	Bayesian approach to estimation of intraclass correlation using reference prior. Communications in Statistics - Theory and Methods, 1998, 27, 2241-2255.	1.0	12
100	Bayesian approach to change point problems. Communications in Statistics - Theory and Methods, 1997, 26, 2035-2047.	1.0	8
101	Semiparametric Bayesian Analysis of Survival Data. Journal of the American Statistical Association, 1997, 92, 1195-1212.	3.1	125
102	A Weibull regression model with gamma frailties for multivariate survival data. Lifetime Data Analysis, 1997, 3, 123-137.	0.9	103
103	Grouped random effects models for Bayesian meta-analysis. , 1997, 16, 1817-1829.		43
104	Semiparametric Bayesian Analysis of Survival Data. Journal of the American Statistical Association, 1997, 92, 1195.	3.1	87
105	Shrinkage estimation of contemporaneous outliers in concurrent time serie. Communications in Statistics Part B: Simulation and Computation, 1996, 25, 643-656.	1.2	0
106	Bayesian analysis of outlier problems using divergence measures. Canadian Journal of Statistics, 1995, 23, 199-213.	0.9	92
107	Shrinkage estimation in time series using a bootstrapped covariance estimate. Journal of Statistical Computation and Simulation, 1995, 53, 259-267.	1.2	1
108	Modeling Expert Opinion Arising as a Partial Probabilistic Specification. Journal of the American Statistical Association, 1995, 90, 598-604.	3.1	41

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109	Modeling Expert Opinion Arising as a Partial Probabilistic Specification. Journal of the American Statistical Association, 1995, 90, 598.	3.1	9
110	Robust Bayesian analysis using divergence measures. Statistics and Probability Letters, 1994, 20, 287-294.	0.7	57
111	On the choice of prior for the bayes estimation in accelerated life testing. Journal of Statistical Computation and Simulation, 1993, 48, 207-217.	1.2	1
112	Frequentist validity of posterior quantiles in the presence of a nuisance parameter: Higher order asymptotics. Biometrika, 1993, 80, 499-505.	2.4	101
113	Compound poisson distributions: Properties and estimation*. Communications in Statistics - Theory and Methods, 1992, 21, 3097-3121.	1.0	14
114	Multiparameter estimation in truncated power series distributions under the stein's loss. Communications in Statistics - Theory and Methods, 1991, 20, 309-326.	1.0	2
115	Simultaneous estimation of eigenvalues. Annals of the Institute of Statistical Mathematics, 1988, 40, 137-147.	0.8	23
116	Investigating Several Fundamental Properties of Random Lobster Trees and Random Spider Trees. Methodology and Computing in Applied Probability, 0, , 1.	1.2	2
117	A finite mixture mixed proportion regression model for classification problems in longitudinal voting data. Journal of Applied Statistics, 0, , 1-18.	1.3	0