Dipak K Dey

List of Publications by Year
in descending order

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	A General Class of Multivariate Skew-Elliptical Distributions. Journal of Multivariate Analysis, 2001, 79, 99-113.	1.0	566
2	A new class of multivariate skew distributions with applications to bayesian regression models. Canadian Journal of Statistics, 2003, 31, 129-150.	0.9	479
3	Semiparametric Bayesian Analysis of Survival Data. Journal of the American Statistical Association, 1997, 92, 1195-1212.	3.1	125
4	A New Skewed Link Model for Dichotomous Quantal Response Data. Journal of the American Statistical Association, 1999, 94, 1172-1186.	3.1	122
5	A Weibull regression model with gamma frailties for multivariate survival data. Lifetime Data Analysis, 1997, 3, 123-137.	0.9	103
6	Frequentist validity of posterior quantiles in the presence of a nuisance parameter: Higher order asymptotics. Biometrika, 1993, 80, 499-505.	2.4	101
7	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
8	Bayesian analysis of outlier problems using divergence measures. Canadian Journal of Statistics, 1995, 23, 199-213.	0.9	92
9	Semiparametric Bayesian Analysis of Survival Data. Journal of the American Statistical Association, 1997, 92, 1195.	3.1	87
10	Flexible generalized t-link models for binary response data. Biometrika, 2008, 95, 93-106.	2.4	63
11	Robust Bayesian analysis using divergence measures. Statistics and Probability Letters, 1994, 20, 287-294.	0.7	57
12	A simulation-intensive approach for checking hierarchical models. Test, 1998, 7, 325-346.	1.1	56
13	Linear and Nonlinear Mixed-Effects Models for Censored HIV Viral Loads Using Normal/Independent Distributions. Biometrics, 2011, 67, 1594-1604.	1.4	56
14	Grouped random effects models for Bayesian meta-analysis. , 1997, 16, 1817-1829.		43
15	Modeling Expert Opinion Arising as a Partial Probabilistic Specification. Journal of the American Statistical Association, 1995, 90, 598-604.	3.1	41
16	A comparison of frailty and other models for bivariate survival data. Lifetime Data Analysis, 2000, 6, 207-228.	0.9	36
17	Multivariate Survival Analysis with Positive Stable Frailties. Biometrics, 1999, 55, 637-644.	1.4	32
18	Bayesian analysis of generalized odds-rate hazards models for survival data. Lifetime Data Analysis, 2007, 13, 241-260.	0.9	31

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19	Bayesian Estimation of a Skew-Student-t Stochastic Volatility Model. Methodology and Computing in Applied Probability, 2015, 17, 721-738.	1.2	30
20	Bayesian Markov Chain Random Field Cosimulation for Improving Land Cover Classification Accuracy. Mathematical Geosciences, 2015, 47, 123-148.	2.4	29
21	Bayesian inference in nonlinear mixed-effects models using normal independent distributions. Computational Statistics and Data Analysis, 2013, 64, 237-252.	1.2	28
22	Latent class analysis of incomplete data via an entropy-based criterion. Statistical Methodology, 2016, 32, 107-121.	0.5	26
23	A Bayesian Approach to Robust Skewed Autoregressive Processes. Calcutta Statistical Association Bulletin, 2017, 69, 165-182.	0.3	26
24	A New Skewed Link Model for Dichotomous Quantal Response Data. Journal of the American Statistical Association, 1999, 94, 1172.	3.1	25
25	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
26	Simultaneous estimation of eigenvalues. Annals of the Institute of Statistical Mathematics, 1988, 40, 137-147.	0.8	23
27	Prostate Cancer Diagnosis in the Clinic Using an 8-Protein Biomarker Panel. Analytical Chemistry, 2021, 93, 1059-1067.	6.5	22
28	Bayesian sparse reduced rank multivariate regression. Journal of Multivariate Analysis, 2017, 157, 14-28.	1.0	19
29	Canonical variate regression. Biostatistics, 2016, 17, 468-483.	1.5	17
30	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
31	Sequential Co-Sparse Factor Regression. Journal of Computational and Graphical Statistics, 2017, 26, 814-825.	1.7	16
32	Leveraging mixed and incomplete outcomes via reduced-rank modeling. Journal of Multivariate Analysis, 2018, 167, 378-394.	1.0	16
33	Compound poisson distributions: Properties and estimation*. Communications in Statistics - Theory and Methods, 1992, 21, 3097-3121.	1.0	14
34	Multivariate process capability a bayesian perspective. Communications in Statistics Part B: Simulation and Computation, 2000, 29, 667-687.	1.2	14
35	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
36	Bayesian model diagnostics using functional Bregman divergence. Journal of Multivariate Analysis, 2014, 124, 371-383.	1.0	14

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37	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
38	Bayesian approach to estimation of intraclass correlation using reference prior. Communications in Statistics - Theory and Methods, 1998, 27, 2241-2255.	1.0	12
39	Bayesian Design of Non-inferiority Clinical Trials Via the Bayes Factor. Statistics in Biosciences, 2018, 10, 439-459.	1.2	11
40	Boxâ€"Cox transformations in Bayesian analysis of compositional data. Environmetrics, 1998, 9, 657-671.	1.4	10
41	Multivariate Survival Models with a Mixture of Positive Stable Frailties. Methodology and Computing in Applied Probability, 2000, 2, 293-308.	1.2	10
42	On Bayesian Analysis of Generalized Linear Models Using the Jacobian Technique. American Statistician, 2006, 60, 264-268.	1.6	10
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	Bayesian Estimation of Stochastic Frontier Models with Multivariate SkewtError Terms. Communications in Statistics - Theory and Methods, 2007, 36, 907-916.	1.0	9
46	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
47	Generalized extreme value regression for ordinal response data. Environmental and Ecological Statistics, 2011, 18, 619-634.	3.5	9
48	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
49	Flexible link functions in a joint model of binary and longitudinal data. Stat, 2015, 4, 320-330.	0.4	9
50	Modeling Expert Opinion Arising as a Partial Probabilistic Specification. Journal of the American Statistical Association, 1995, 90, 598.	3.1	9
51	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
52	Bayesian approach to change point problems. Communications in Statistics - Theory and Methods, 1997, 26, 2035-2047.	1.0	8
53	Statistical approach to metabonomic analysis of rat urine following surgical trauma. Journal of Chemometrics, 2006, 20, 87-98.	1.3	8
54	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

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55	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
56	On Dynamic Generalized Linear Models with Applications. Methodology and Computing in Applied Probability, 2013, 15, 407-421.	1.2	8
57	A transformation class for spatio-temporal survival data with a cure fraction. Statistical Methods in Medical Research, 2016, 25, 167-187.	1.5	8
58	Censored regression models with autoregressive errors: A likelihoodâ€based perspective. Canadian Journal of Statistics, 2017, 45, 375-392.	0.9	8
59	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
60	Bayesian Spatial-Temporal Modeling of Ecological Zero-Inflated Count Data. Statistica Sinica, 2014, 25, 189-204.	0.3	8
61	Multitude of multivariate *t*-distributions. Statistics, 2005, 39, 149-181.	0.6	7
62	Modeling Multilevel Survival Data Using Frailty Models. Communications in Statistics - Theory and Methods, 2008, 37, 1734-1741.	1.0	7
63	THE DEGREE PROFILE AND GINI INDEX OF RANDOM CATERPILLAR TREES. Probability in the Engineering and Informational Sciences, 2019, 33, 511-527.	0.8	6
64	Flexible regression modeling for censored data based on mixtures of student-t distributions. Computational Statistics, 2019, 34, 123-152.	1.5	6
65	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
66	Estimation of COVID-19 mortality in the United States using Spatio-temporal Conway Maxwell Poisson model. Spatial Statistics, 2022, 49, 100542.	1.9	6
67	Influence diagnostics in spatial models with censored response. Environmetrics, 2017, 28, e2464.	1.4	5
68	Categorical Data Analysis Using a Skewed Weibull Regression Model. Entropy, 2018, 20, 176.	2.2	5
69	Generalized co-sparse factor regression. Computational Statistics and Data Analysis, 2021, 157, 107127.	1.2	5
70	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
71	Bayesian isotonic changepoint analysis. Annals of the Institute of Statistical Mathematics, 2009, 61, 355-370.	0.8	4
72	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

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73	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
74	Application of a Vine Copula for Multi-Line Insurance Reserving. Risks, 2020, 8, 111.	2.4	4
75	The Marshall-Olkin generalized gamma distribution. Communications for Statistical Applications and Methods, 2018, 25, 245-261.	0.3	4
76	On Measuring Loss Robustness Using Maximum A Posteriori Estimate. Communications in Statistics - Theory and Methods, 2004, 33, 1069-1085.	1.0	3
77	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
78	Regularizing Portfolio Risk Analysis: A Bayesian Approach. Methodology and Computing in Applied Probability, 2017, 19, 865-889.	1.2	3
79	Statistical Tests for Large Tree-Structured Data. Journal of the American Statistical Association, 2017, 112, 1733-1743.	3.1	3
80	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
81	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
82	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
83	Comparisons of zeroâ€augmented continuous regression models from a Bayesian perspective. Statistics in Medicine, 2021, 40, 1073-1100.	1.6	3
84	Spatial Tweedie exponential dispersion models: an application to insurance rate-making. Scandinavian Actuarial Journal, 2021, 2021, 1017-1036.	1.7	3
85	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
86	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
87	A semiparametric model for compositional data analysis in presence of covariates on the simplex. Test, 2002, 11, 303-315.	1.1	2
88	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
89	Time series effects of dissolved oxygen and nitrogen on Long Island Sound lobster harvest. Natural Hazards, 2016, 84, 1849-1858.	3.4	2
90	Bayesian MAP estimation using Gaussian and diffusedâ€gamma prior. Canadian Journal of Statistics, 2018, 46, 399-415.	0.9	2

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91	Classification of high‐dimensional electroencephalography data with location selection using structured spike‐and‐slab prior. Statistical Analysis and Data Mining, 2020, 13, 465-481.	2.8	2
92	Investigating Several Fundamental Properties of Random Lobster Trees and Random Spider Trees. Methodology and Computing in Applied Probability, 0, , 1.	1.2	2
93	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
94	On Posterior Properties of the Two Parameter Gamma Family of Distributions. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20190826.	0.8	2
95	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
96	Shrinkage estimation in time series using a bootstrapped covariance estimate. Journal of Statistical Computation and Simulation, 1995, 53, 259-267.	1.2	1
97	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
98	Assessing shape differences in populations of shapes using the complex watson shape distribution. Journal of Applied Statistics, 2005, 32, 105-116.	1.3	1
99	Bayesian Model Choice in Exponential Survival Models. Communications in Statistics - Theory and Methods, 2005, 34, 2311-2330.	1.0	1
100	Modeling Associations Among Multivariate Longitudinal Categorical Variables in Survey Data: A Semiparametric Bayesian Approach. Psychometrika, 2012, 77, 670-692.	2.1	1
101	Asymptotics of the Empirical Cross-over Function. Annals of the Institute of Statistical Mathematics, 2014, 66, 369-382.	0.8	1
102	D-Measure: A Bayesian Model Selection Criterion for Survival Data. Advances in Data Science and Adaptive Analysis, 2019, 11, 1950007.	0.4	1
103	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
104	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
105	Bregman divergence to generalize Bayesian influence measures for data analysis. Journal of Statistical Planning and Inference, 2021, 213, 222-232.	0.6	1
106	Modeling Survival Data Using the Piecewise Exponential Model with Random Time Grid. , 2011, , 109-122.		1
107	Variable selection for correlated bivariate mixed outcomes using penalized generalized estimating equations. Statistics and Its Interface, 2019, 12, 265-274.	0.3	1
108	Shrinkage estimation of contemporaneous outliers in concurrent time serie. Communications in Statistics Part B: Simulation and Computation, 1996, 25, 643-656.	1.2	0

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109	Three-dimensional visualization and identification of objects in photon starved scenes using statistical estimation. , 2011, , .		0
110	On a Type of Probability Stopping Rule for Toxicity Study. Sequential Analysis, 2013, 32, 382-403.	0.5	0
111	A Bayesian piecewise survival cure rate model for spatially clustered data. Spatial and Spatio-temporal Epidemiology, 2019, 29, 149-159.	1.7	0
112	Mixed effects state-space models with Student-t errors. Journal of Statistical Computation and Simulation, 2020, 90, 3157-3174.	1.2	0
113	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
114	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
115	Scalable spatio–temporal Bayesian analysis of high–dimensional electroencephalography data. Canadian Journal of Statistics, 2021, 49, 107-128.	0.9	0
116	Model Based Penalized Clustering for Multivariate Data. Statistical Science and Interdisciplinary Research, 2009, , 53-71.	0.0	0
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