Arnab Maity

List of Publications by Year
in descending order

70 papers	1,255 citations	361413 20 h-index	395702 33 g-index
70 all docs	70 docs citations	70 times ranked	1993 citing authors

#	Article	IF	Citations
1	Variable selection in nonlinear functionâ€onâ€scalar regression. Biometrics, 2023, 79, 292-303.	1.4	3
2	Variable selection in nonparametric functional concurrent regression. Canadian Journal of Statistics, 2022, 50, 142-161.	0.9	4
3	Simultaneous variable selection, clustering, and smoothing in functionâ€onâ€scalar regression. Canadian Journal of Statistics, 2022, 50, 180-199.	0.9	4
4	Inference in functional linear quantile regression. Journal of Multivariate Analysis, 2022, 190, 104985.	1.0	4
5	Joint modeling of longitudinal continuous, longitudinal ordinal, and time-to-event outcomes. Lifetime Data Analysis, 2021, 27, 64-90.	0.9	8
6	A Score Based Test for Functional Linear Concurrent Regression. Econometrics and Statistics, 2021, , .	0.8	3
7	Variable selection in functional linear concurrent regression. Journal of the Royal Statistical Society Series C: Applied Statistics, 2020, 69, 565-587.	1.0	7
8	Robust kernel association testing (RobKAT). Genetic Epidemiology, 2020, 44, 272-282.	1.3	2
9	A comparison of testing methods in scalar-on-function regression. AStA Advances in Statistical Analysis, 2019, 103, 411-436.	0.9	8
10	Composite Kernel Machine Regression Based on Likelihood Ratio Test for Joint Testing of Genetic and Geneâ€“Environment Interaction Effect. Biometrics, 2019, 75, 625-637.	1.4	7
11	Rejoinder to â€œA Note on Testing and Estimation in Marker-set Association Study Using Semiparametric Quantile Regression Kernel Machineâ€• Biometrics, 2018, 74, 767-768.	1.4	1
12	On the substructure controls in rare variant analysis: Principal components or variance components?. Genetic Epidemiology, 2018, 42, 276-287.	1.3	10
13	Inference on phenotypeâ€specific effects of genes using multivariate kernel machine regression. Genetic Epidemiology, 2018, 42, 64-79.	1.3	1
14	Asymptotic theory for varying coefficient regression models with dependent data. Annals of the Institute of Statistical Mathematics, 2018, 70, 745-759.	0.8	1
15	A Powerful Test for SNP Effects on Multivariate Binary Outcomes Using Kernel Machine Regression. Statistics in Biosciences, 2018, 10, 117-138.	1.2	7
16	Additive Function-on-Function Regression. Journal of Computational and Graphical Statistics, 2018, 27, 234-244.	1.7	24
17	Functional interactionâ€“based nonlinear models with application to multiplatform genomics data. Statistics in Medicine, 2018, 37, 2715-2733.	1.6	0
18	Additive nonlinear functional concurrent model. Statistics and Its Interface, 2018, 11, 669-685.	0.3	10

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19	Unified variable selection in semi-parametric models. Statistical Methods in Medical Research, 2017, 26, 2821-2831.	1.5	1
20	Nonparametric functional concurrent regression models. Wiley Interdisciplinary Reviews: Computational Statistics, 2017, 9, e1394.	3.9	12
21	A small-sample multivariate kernel machine test for microbiome association studies. Genetic Epidemiology, 2017, 41, 210-220.	1.3	37
22	Maternal blood cadmium, lead and arsenic levels, nutrient combinations, and offspring birthweight. BMC Public Health, 2017, 17, 354.	2.9	69
23	Testing and Estimation in Marker-Set Association Study Using Semiparametric Quantile Regression Kernel Machine. Biometrics, 2016, 72, 364-371.	1.4	8
24	Testing for additivity in nonâ€parametric regression. Canadian Journal of Statistics, 2016, 44, 445-462.	0.9	3
25	Classical testing in functional linear models. Journal of Nonparametric Statistics, 2016, 28, 813-838.	0.9	40
26	Variable selection in semi-parametric models. Statistical Methods in Medical Research, 2016, 25, 1736-1752.	1.5	4
27	Interaction models for functional regression. Computational Statistics and Data Analysis, 2016, 94, 317-329.	1.2	18
28	Marker-Set Approaches for Assessing Gene Ã— Environment Interactions at Gene Level. , 2016, , .		1
29	Global Analysis of Methylation Profiles From High Resolution CpG Data. Genetic Epidemiology, 2015, 39, 53-64.	1.3	19
30	Glacier Terminus Estimation from Landsat Image Intensity Profiles. Journal of Agricultural, Biological, and Environmental Statistics, 2015, 20, 279-298.	1.4	2
31	Parametrically guided estimation in nonparametric varying coefficient models with quasi-likelihood. Journal of Nonparametric Statistics, 2015, 27, 195-213.	0.9	2
32	Complete Effectâ€Profile Assessment in Association Studies With Multiple Genetic and Multiple Environmental Factors. Genetic Epidemiology, 2015, 39, 122-133.	1.3	8
33	Module-Based Association Analysis for Omics Data with Network Structure. PLoS ONE, 2015, 10, e0122309.	2.5	5
34	Rare variant testing across methods and thresholds using the multi-kernel sequence kernel association test (MK-SKAT). Statistics and Its Interface, 2015, 8, 495-505.	0.3	11
35	Short-term airborne particulate matter exposure alters the epigenetic landscape of human genes associated with the mitogen-activated protein kinase network: a cross-sectional study. Environmental Health, 2014, 13, 94.	4.0	55
36	Analysis of in vitro fertilization data with multiple outcomes using discrete timeâ€toâ€event analysis. Statistics in Medicine, 2014, 33, 1738-1749.	1.6	14

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37	Parameter Estimation of Partial Differential Equation Models. Journal of the American Statistical Association, 2013, 108, 1009-1020.	3.1	101
38	Variable selection in generalized functional linear models. Stat, 2013, 2, 86-101.	0.4	74
39	Kernel Machine SNPâ€Set Testing Under Multiple Candidate Kernels. Genetic Epidemiology, 2013, 37, 267-275.	1.3	60
40	Exposure to airborne particulate matter is associated with methylation pattern in the asthma pathway. Epigenomics, 2013, 5, 147-154.	2.1	68
41	Parametrically guided generalised additive models with application to mergers and acquisitions data. Journal of Nonparametric Statistics, 2013, 25, 109-128.	0.9	8
42	Epigenetic Deregulation of MicroRNAs in Rhabdomyosarcoma and Neuroblastoma and Translational Perspectives. , 2013, , 257-290.		0
43	Association of Hexachlorobenzene (HCB), Dichlorodiphenyltrichloroethane (DDT), and Dichlorodiphenyldichloroethylene (DDE) with in Vitro Fertilization (IVF) Outcomes. Environmental Health Perspectives, 2012, 120, 316-320.	6.0	48
44	A powerful test for comparing multiple regression functions. Journal of Nonparametric Statistics, 2012, 24, 563-576.	0.9	5
45	Power of a reproducing kernel-based method for testing the joint effect of a set of single-nucleotide polymorphisms. Genetica, 2012, 140, 421-427.	1.1	2
46	Partially linear varying coefficient models stratified by a functional covariate. Statistics and Probability Letters, 2012, 82, 1807-1814.	0.7	7
47	Multivariate Phenotype Association Analysis by Markerâ€Set Kernel Machine Regression. Genetic Epidemiology, 2012, 36, 686-695.	1.3	76
48	Design and analysis issues in gene and environment studies. Environmental Health, 2012, 11, 93.	4.0	30
49	Multivariate Gene Selection and Testing in Studying the Exposure Effects on a Gene Set. Statistics in Biosciences, 2012, 4, 319-338.	1.2	7
50	Testing for spatial isotropy under general designs. Journal of Statistical Planning and Inference, 2012, 142, 1081-1091.	0.6	29
51	Estimation via corrected scores in general semiparametric regression models with error-prone covariates. Electronic Journal of Statistics, 2011, 5, 1424-1449.	0.7	1
52	Powerful Tests for Detecting a Gene Effect in the Presence of Possible Gene-Gene Interactions Using Garrote Kernel Machines. Biometrics, 2011, 67, 1271-1284.	1.4	32
53	Analysis of Sabine river flow data using semiparametric spline modeling. Journal of Hydrology, 2011, 399, 274-280.	5.4	3
54	Inferences for the ratio: Fiellerâ€™s interval, log ratio, and large sample based confidence intervals. AStA Advances in Statistical Analysis, 2011, 95, 313-323.	0.9	8

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55	Testing for constant nonparametric effects in general semiparametric regression models with interactions. Statistics and Probability Letters, 2011, 81, 717-723.	0.7	1
56	Semiâ€automated scoring of tripleâ€probe FISH in human sperm: Methods and further validation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 661-666.	1.5	18
57	Serum Concentrations of Polychlorinated Biphenyls in Relation to in Vitro Fertilization Outcomes. Environmental Health Perspectives, 2011, 119, 1010-1016.	6.0	61
58	Particulate Air Pollution Modifies Methylation Of NFKb Pathways. , 2010, , .		0
59	Reduced Rank Mixed Effects Models for Spatially Correlated Hierarchical Functional Data. Journal of the American Statistical Association, 2010, 105, 390-400.	3.1	64
60	Nonparametric additive regression for repeatedly measured data. Biometrika, 2009, 96, 383-398.	2.4	21
61	Efficient Semiparametric Marginal Estimation forÂtheÂPartially Linear Additive Model forÂLongitudinal/Clustered Data. Statistics in Biosciences, 2009, 1, 10-31.	1.2	12
62	Testing in Semiparametric Models with Interaction, with Applications to Geneâ€“Environment Interactions. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 75-96.	2.2	27
63	SIMEX and standard error estimation in semiparametric measurement error models. Electronic Journal of Statistics, 2009, 3, 318-348.	0.7	38
64	Efficient estimation of population quantiles in general semiparametric regression models. Statistics and Probability Letters, 2008, 78, 2744-2750.	0.7	0
65	On adaptive linear regression. Journal of Applied Statistics, 2008, 35, 1409-1422.	1.3	5
66	Estimation of population-level summaries in general semiparametric repeated measures regression models. , 2008, , 123-137.		0
67	Efficient Estimation of Population-Level Summaries in General Semiparametric Regression Models. Journal of the American Statistical Association, 2007, 102, 123-139.	3.1	20
68	Comments on: Nonparametric inference with generalized likelihood ratio tests. Test, 2007, 16, 456-458.	1.1	1
69	The Two-SampleTTest With One Variance Unknown. American Statistician, 2006, 60, 163-166.	1.6	15
70	A Perturbation Technique for Sample Moment Matching in Kernel Density Estimation. Calcutta Statistical Association Bulletin, 2005, 56, 161-188.	0.3	0