

Estimating False Discovery Proportion Under Arbitrary

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Large Covariance Estimation by Thresholding Principal Orthogonal Complements. SSRN Electronic Journal, 2011, , .	0.4	9
3	Imaging genetics " towards discovery neuroscience. Quantitative Biology, 2013, 1, 227-245.	0.3	18
4	Statistical analysis of big data on pharmacogenomics. Advanced Drug Delivery Reviews, 2013, 65, 987-1000.	6.6	39
5	Identification of significant features in <scp>DNA</scp> microarray data. Wiley Interdisciplinary Reviews: Computational Statistics, 2013, 5, 309-325.	2.1	10
6	Structured variable selection with q-values. Biostatistics, 2013, 14, 695-707.	0.9	8
7	Large Covariance Estimation by Thresholding Principal Orthogonal Complements. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 603-680.	1.1	520
8	Projected Principal Component Analysis in Factor Models. SSRN Electronic Journal, 0, , .	0.4	4
9	Sufficient Forecasting Using Factor Models. SSRN Electronic Journal, 2014, , .	0.4	2
10	Estimation of the Continuous and Discontinuous Leverage Effects. SSRN Electronic Journal, 0, , .	0.4	3
11	svaseq: removing batch effects and other unwanted noise from sequencing data. Nucleic Acids Research, 2014, 42, e161-e161.	6.5	460
12	Challenges of Big Data analysis. National Science Review, 2014, 1, 293-314.	4.6	954
13	The future lies in uncertainty. Science, 2014, 345, 264-265.	6.0	32
14	Statistical Analysis of Next Generation Sequencing Data. , 2014, , .		20
15	Single-index modulated multiple testing. Annals of Statistics, 2014, 42, .	1.4	21
16	A parsimonious statistical method to detect groupwise differentially expressed functional connectivity networks. Human Brain Mapping, 2015, 36, 5196-5206.	1.9	31
17	FDR control in multiple testing under non-normality. Statistica Sinica, 2015, , .	0.2	2
18	Mixture SNPs effect on phenotype in genome-wide association studies. BMC Genomics, 2015, 16, 3.	1.2	24
19	False Discovery Rate Regression: An Application to Neural Synchrony Detection in Primary Visual Cortex. Journal of the American Statistical Association, 2015, 110, 459-471.	1.8	62

#	ARTICLE	IF	CITATIONS
20	Testing of high dimensional mean vectors via approximate factor model. Journal of Statistical Planning and Inference, 2015, 167, 216-227.	0.4	6
21	A statistical approach for detecting common features. Journal of Neuroscience Methods, 2015, 247, 1-12.	1.3	0
22	New procedures controlling the false discovery proportion via Romano's Wolf's heuristic. Annals of Statistics, 2015, 43, .	1.4	19
23	Multiple test functions and adjusted p -values for test statistics with discrete distributions. Journal of Statistical Planning and Inference, 2015, 167, 1-13.	0.4	20
24	The Empirical Distribution of a Large Number of Correlated Normal Variables. Journal of the American Statistical Association, 2015, 110, 1217-1228.	1.8	24
25	Tests for Coefficients in High-dimensional Additive Hazard Models. Scandinavian Journal of Statistics, 2015, 42, 649-664.	0.9	8
26	Testing a Single Regression Coefficient in High Dimensional Regression Model. SSRN Electronic Journal, 2016, , .	0.4	0
27	Rare Variants Association Analysis in Large-Scale Sequencing Studies at the Single Locus Level. PLoS Computational Biology, 2016, 12, e1004993.	1.5	11
28	Testing a single regression coefficient in high dimensional linear models. Journal of Econometrics, 2016, 195, 154-168.	3.5	13
29	Cramér-type moderate deviations for Studentized two-sample U -statistics with applications. Annals of Statistics, 2016, 44, .	1.4	14
30	Innovated scalable efficient estimation in ultra-large Gaussian graphical models. Annals of Statistics, 2016, 44, .	1.4	29
31	Multiple testing under dependence via graphical models. Annals of Applied Statistics, 2016, 10, .	0.5	12
32	Exact and asymptotic tests on a factor model in low and large dimensions with applications. Journal of Multivariate Analysis, 2016, 150, 125-151.	0.5	12
33	Pathway crosstalk effects: shrinkage and disentanglement using a Bayesian hierarchical model. Statistics in Biosciences, 2016, 8, 374-394.	0.6	9
34	SLOPE is adaptive to unknown sparsity and asymptotically minimax. Annals of Statistics, 2016, 44, .	1.4	58
35	Projected principal component analysis in factor models. Annals of Statistics, 2016, 44, 219-254.	1.4	98
36	On empirical distribution function of high-dimensional Gaussian vector components with an application to multiple testing. Bernoulli, 2016, 22, .	0.7	10
37	New multiple testing method under no dependency assumption, with application to multiple comparisons problem. Statistical Papers, 2016, 57, 161-183.	0.7	0

#	ARTICLE	IF	CITATIONS
38	Testing covariates in high dimension linear regression with latent factors. <i>Journal of Multivariate Analysis</i> , 2016, 144, 25-37.	0.5	4
39	Detecting weak signals in high dimensions. <i>Journal of Multivariate Analysis</i> , 2016, 147, 234-246.	0.5	1
40	Estimating false discovery proportion in multiple comparison under dependency. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2017, 46, 6697-6704.	0.6	0
41	Estimation of High Dimensional Mean Regression in the Absence of Symmetry and Light Tail Assumptions. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2017, 79, 247-265.	1.1	118
42	Controlling the False Discoveries in LASSO. <i>Biometrics</i> , 2017, 73, 1102-1110.	0.8	16
43	False discovery rate control incorporating phylogenetic tree increases detection power in microbiome-wide multiple testing. <i>Bioinformatics</i> , 2017, 33, 2873-2881.	1.8	66
44	Unbiased False Discovery Rate Estimation for Shotgun Proteomics Based on the Target-Decoy Approach. <i>Journal of Proteome Research</i> , 2017, 16, 393-397.	1.8	56
45	A rate optimal procedure for recovering sparse differences between high-dimensional means under dependence. <i>Annals of Statistics</i> , 2017, 45, .	1.4	5
46	Asymptotics of empirical eigenstructure for high dimensional spiked covariance. <i>Annals of Statistics</i> , 2017, 45, 1342-1374.	1.4	103
47	Sufficient forecasting using factor models. <i>Journal of Econometrics</i> , 2017, 201, 292-306.	3.5	46
48	Large-Scale Global and Simultaneous Inference: Estimation and Testing in Very High Dimensions. <i>Annual Review of Economics</i> , 2017, 9, 411-439.	2.4	11
49	Estimation of the False Discovery Proportion with Unknown Dependence. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2017, 79, 1143-1164.	1.1	36
50	Estimation of the Continuous and Discontinuous Leverage Effects. <i>Journal of the American Statistical Association</i> , 2017, 112, 1744-1758.	1.8	43
51	Oracle P-values and variable screening. <i>Electronic Journal of Statistics</i> , 2017, 11, .	0.4	3
52	Integrative Analysis of Gene Networks and Their Application to Lung Adenocarcinoma Studies. <i>Cancer Informatics</i> , 2017, 16, 117693511769077.	0.9	1
53	Testing against constant factor loading matrix with large panel high-frequency data. <i>Journal of Econometrics</i> , 2018, 204, 301-319.	3.5	12
54	Testing for Inequality Constraints in Singular Models by Trimming or Winsorizing the Variance Matrix. <i>Journal of the American Statistical Association</i> , 2018, 113, 906-918.	1.8	6
55	False discovery rates for large-scale model checking under certain dependence. <i>Communications in Statistics - Theory and Methods</i> , 2018, 47, 64-79.	0.6	1

#	ARTICLE	IF	CITATIONS
56	Localizing differentially evolving covariance structures via scan statistics. Quarterly of Applied Mathematics, 2018, 77, 357-398.	0.5	1
58	Beyond smartphones and sensors: choosing appropriate statistical methods for the analysis of longitudinal data. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1669-1674.	2.2	35
59	Thousands of Alpha Tests. SSRN Electronic Journal, 2018, , .	0.4	12
60	Toward Capturing the Exposome: Exposure Biomarker Variability and Coexposure Patterns in the Shared Environment. Environmental Science & Technology, 2018, 52, 8801-8810.	4.6	40
61	A new perspective on robust Σ -estimation: Finite sample theory and applications to dependence-adjusted multiple testing. Annals of Statistics, 2018, 46, 1904-1931.	1.4	40
62	Interpretable High-Dimensional Inference Via Score Projection With an Application in Neuroimaging. Journal of the American Statistical Association, 2019, 114, 820-830.	1.8	2
63	Variable selection procedures from multiple testing. Science China Mathematics, 2019, 62, 771-782.	0.8	0
64	Bayesian Error Analysis for Feature Selection in Biomarker Discovery. IEEE Access, 2019, 7, 127544-127563.	2.6	3
65	Efficient Signal Inclusion With Genomic Applications. Journal of the American Statistical Association, 2019, 114, 1787-1799.	1.8	4
66	Predictor ranking and false discovery proportion control in high-dimensional regression. Journal of Multivariate Analysis, 2019, 171, 163-175.	0.5	3
67	FarmTest: Factor-Adjusted Robust Multiple Testing With Approximate False Discovery Control. Journal of the American Statistical Association, 2019, 114, 1880-1893.	1.8	25
68	Optimal Estimation of Genetic Relatedness in High-Dimensional Linear Models. Journal of the American Statistical Association, 2019, 114, 358-369.	1.8	21
69	A Factor-Adjusted Multiple Testing Procedure With Application to Mutual Fund Selection. Journal of Business and Economic Statistics, 2019, 37, 147-157.	1.8	7
70	RANK: Large-Scale Inference With Graphical Nonlinear Knockoffs. Journal of the American Statistical Association, 2020, 115, 362-379.	1.8	32
71	Cauchy Combination Test: A Powerful Test With Analytic p -Value Calculation Under Arbitrary Dependency Structures. Journal of the American Statistical Association, 2020, 115, 393-402.	1.8	216
72	Testing Alphas in Conditional Time-Varying Factor Models With High-Dimensional Assets. Journal of Business and Economic Statistics, 2020, 38, 214-227.	1.8	16
73	IPAD: Stable Interpretable Forecasting with Knockoffs Inference. Journal of the American Statistical Association, 2020, 115, 1822-1834.	1.8	25
74	Detecting and testing altered brain connectivity networks with k -partite network topology. Computational Statistics and Data Analysis, 2020, 141, 109-122.	0.7	11

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75	Homogeneity and Structure Identification in Semiparametric Factor Models. <i>Journal of Business and Economic Statistics</i> , 2022, 40, 408-422.	1.8	8
76	High-dimensional two-sample mean vectors test and support recovery with factor adjustment. <i>Computational Statistics and Data Analysis</i> , 2020, 151, 107004.	0.7	1
77	A Bottom-Up Approach to Testing Hypotheses That Have a Branching Tree Dependence Structure, With Error Rate Control. <i>Journal of the American Statistical Association</i> , 2022, 117, 664-677.	1.8	8
78	Noisy Matrix Completion: Understanding Statistical Guarantees for Convex Relaxation via Nonconvex Optimization. <i>SIAM Journal on Optimization</i> , 2020, 30, 3098-3121.	1.2	44
79	Detection of Local Differences in Spatial Characteristics Between Two Spatiotemporal Random Fields. <i>Journal of the American Statistical Association</i> , 2022, 117, 291-306.	1.8	4
80	False Discovery Variance Reduction in Large Scale Simultaneous Hypothesis Tests. <i>Methodology and Computing in Applied Probability</i> , 2020, 23, 711.	0.7	0
81	Diagonally Dominant Principal Component Analysis. <i>Journal of Computational and Graphical Statistics</i> , 2020, 29, 592-607.	0.9	2
82	A strong law of large numbers related to multiple testing normal means. <i>Statistics and Probability Letters</i> , 2020, 159, 108693.	0.4	1
83	Constructing confidence intervals for selected parameters. <i>Biometrics</i> , 2020, 76, 1098-1108.	0.8	3
84	Bayesian variable selection via a benchmark in normal linear models. <i>Statistical Theory and Related Fields</i> , 2021, 5, 70-81.	0.2	1
85	Thousands of Alpha Tests. <i>Review of Financial Studies</i> , 2021, 34, 3456-3496.	3.7	62
86	Asymptotic theory of dependent Bayesian multiple testing procedures under possible model misspecification. <i>Annals of the Institute of Statistical Mathematics</i> , 2021, 73, 891-920.	0.5	2
87	Smaller $\langle i \rangle p \langle i \rangle$ -Values via Indirect Information. <i>Journal of the American Statistical Association</i> , 2022, 117, 1254-1269.	1.8	3
88	Posterior Consistency of Factor Dimensionality in High-Dimensional Sparse Factor Models. <i>Bayesian Analysis</i> , 2021, -1, .	1.6	5
89	Estimating minimum effect with outlier selection. <i>Annals of Statistics</i> , 2021, 49, .	1.4	6
90	Robust High-Dimensional Factor Models with Applications to Statistical Machine Learning. <i>Statistical Science</i> , 2021, 36, 303-327.	1.6	18
91	Variable Selection in High-Dimensional Error-in-Variables Models via Controlling the False Discovery Proportion. <i>Communications in Mathematics and Statistics</i> , 2022, 10, 123-151.	0.9	2
92	The Limits of $\langle i \rangle p \langle i \rangle$ -Hacking: Some Thought Experiments. <i>Journal of Finance</i> , 2021, 76, 2447-2480.	3.2	32

#	ARTICLE	IF	CITATIONS
93	Controlling False Discovery Rate Using Gaussian Mirrors. Journal of the American Statistical Association, 2023, 118, 222-241.	1.8	13
94	Bayes estimate of primary threshold in clusterwise functional magnetic resonance imaging inferences. Statistics in Medicine, 2021, 40, 5673-5689.	0.8	3
95	False Discovery Rate Control Under General Dependence By Symmetrized Data Aggregation. Journal of the American Statistical Association, 2023, 118, 607-621.	1.8	17
96	Using multiple outcomes in intervention studies for improved trade-off between power and type I errors: The Adjust NVar approach. F1000Research, 0, 10, 991.	0.8	4
97	On simultaneous calibration of two-sample t-tests for high-dimension low-sample-size data. Statistica Sinica, 2021, , .	0.2	0
99	Confounder adjustment in multiple hypothesis testing. Annals of Statistics, 2017, 45, 1863-1894.	1.4	71
100	Estimation of false discovery proportion in multiple testing: From normal to chi-squared test statistics. Electronic Journal of Statistics, 2017, 11, .	0.4	1
101	Post hoc confidence bounds on false positives using reference families. Annals of Statistics, 2020, 48, .	1.4	24
102	Robust inference via multiplier bootstrap. Annals of Statistics, 2020, 48, .	1.4	10
103	Non-marginal decisions: A novel Bayesian multiple testing procedure. Electronic Journal of Statistics, 2019, 13, .	0.4	2
104	False discovery rate control via debiased lasso. Electronic Journal of Statistics, 2019, 13, .	0.4	28
105	A comparison of multiple testing adjustment methods with block-correlation positively-dependent tests. PLoS ONE, 2017, 12, e0176124.	1.1	57
106	Statistical Considerations in the Analysis of Rare Variants. , 2014, , 405-422.		0
108	The Limits of Data Mining: A Thought Experiment. SSRN Electronic Journal, 0, , .	0.4	0
109	Variable selection via adaptive false negative control in linear regression. Electronic Journal of Statistics, 2019, 13, .	0.4	2
110	Variability and stability of the false discovery proportion. Electronic Journal of Statistics, 2019, 13, .	0.4	1
111	Large-Scale Simultaneous Testing of Cross-Covariance Matrices with Applications to PheWAS. Statistica Sinica, 2019, 29, 983-1005.	0.2	3
112	Asymptotics for the systematic and idiosyncratic volatility with large dimensional high-frequency data. Random Matrices: Theory and Application, 2020, 09, 2050007.	0.5	0

#	ARTICLE	IF	CITATIONS
113	Empirical Bayes analysis of RNA sequencing experiments with auxiliary information. <i>Annals of Applied Statistics</i> , 2019, 13, .	0.5	3
114	Controlling the False Discovery Rate via symmetrized data aggregation based on SLOPE. <i>Journal of Physics: Conference Series</i> , 2020, 1601, 052032.	0.3	0
115	Recent Developments in Factor Models and Applications in Econometric Learning. <i>Annual Review of Financial Economics</i> , 2021, 13, 401-430.	2.5	4
116	A strong law of large numbers for simultaneously testing parameters of Lancaster bivariate distributions. <i>Statistics and Probability Letters</i> , 2020, 167, 108911.	0.4	1
117	Reproducible feature selection in high-dimensional accelerated failure time models. <i>Statistics and Probability Letters</i> , 2022, 181, 109275.	0.4	3
119	Multiple Testing under Dependence via Semiparametric Graphical Models. <i>JMLR Workshop and Conference Proceedings</i> , 2014, 32, 955-963.	1.4	1
120	Threshold Selection in Feature Screening for Error Rate Control. <i>Journal of the American Statistical Association</i> , 2023, 118, 1773-1785.	1.8	11
121	Reproducible learning in large-scale graphical models. <i>Journal of Multivariate Analysis</i> , 2022, 189, 104934.	0.5	3
122	Skilled Mutual Fund Selection: False Discovery Control Under Dependence. <i>Journal of Business and Economic Statistics</i> , 2023, 41, 578-592.	1.8	1
123	False discovery rate control with unknown null distribution: Is it possible to mimic the oracle?. <i>Annals of Statistics</i> , 2022, 50, .	1.4	7
124	Adjusting the Benjamini-Hochberg method for controlling the false discovery rate in knockoff-assisted variable selection. <i>Biometrika</i> , 2022, 109, 1149-1155.	1.3	5
125	Dependent Bayesian multiple hypothesis testing. <i>Handbook of Statistics</i> , 2022, , 67-81.	0.4	0
126	Multiple two-sample testing under arbitrary covariance dependency with an application in imaging mass spectrometry. <i>Biometrical Journal</i> , 0, , .	0.6	2
127	Estimation of high-dimensional sparse cross correlation matrix. <i>Communications for Statistical Applications and Methods</i> , 2022, 29, 655-664.	0.1	0
128	Conditional calibration for false discovery rate control under dependence. <i>Annals of Statistics</i> , 2022, 50, .	1.4	13
130	A One-Sided Refined Symmetrized Data Aggregation Approach to Robust Mutual Fund Selection. <i>Journal of Business and Economic Statistics</i> , 2024, 42, 257-271.	1.8	0
131	Change-point testing for parallel data sets with FDR control. <i>Computational Statistics and Data Analysis</i> , 2023, 182, 107705.	0.7	0
132	Screening-Assisted Dynamic Multiple Testing with False Discovery Rate Control. <i>Journal of Systems Science and Complexity</i> , 2023, 36, 716-754.	1.6	0

#	ARTICLE	IF	CITATIONS
133	Estimating the proportion of signal variables under arbitrary covariance dependence. Electronic Journal of Statistics, 2023, 17, .	0.4	1
134	Hypothesis testing for shapes using vectorized persistence diagrams. Journal of the Royal Statistical Society Series C: Applied Statistics, 2023, 72, 628-648.	0.5	2