

Carolin Strobl

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

8,115
citations

361413

20
h-index

302126

39
g-index

44
all docs

44
docs citations

44
times ranked

12010
citing authors

#	ARTICLE	IF	CITATIONS
1	Bias in random forest variable importance measures: Illustrations, sources and a solution. BMC Bioinformatics, 2007, 8, 25.	2.6	2,328
2	Conditional variable importance for random forests. BMC Bioinformatics, 2008, 9, 307.	2.6	2,129
3	An introduction to recursive partitioning: Rationale, application, and characteristics of classification and regression trees, bagging, and random forests.. Psychological Methods, 2009, 14, 323-348.	3.5	1,831
4	The behaviour of random forest permutation-based variable importance measures under predictor correlation. BMC Bioinformatics, 2010, 11, 110.	2.6	254
5	Unbiased split selection for classification trees based on the Gini Index. Computational Statistics and Data Analysis, 2007, 52, 483-501.	1.2	201
6	Party on!. R Journal, 2009, 1, 14.	1.8	192
7	An AUC-based permutation variable importance measure for random forests. BMC Bioinformatics, 2013, 14, 119.	2.6	179
8	A new variable importance measure for random forests with missing data. Statistics and Computing, 2014, 24, 21-34.	1.5	131
9	Random forest Gini importance favours SNPs with large minor allele frequency: impact, sources and recommendations. Briefings in Bioinformatics, 2012, 13, 292-304.	6.5	92
10	Analysis of the individual and aggregate genetic contributions of previously identified serine peptidase inhibitor Kazal type 5 (SPINK5), kallikrein-related peptidase 7 (KLK7), and filaggrin (FLG) polymorphisms to eczema risk. Journal of Allergy and Clinical Immunology, 2008, 122, 560-568.e4.	2.9	83
11	Rasch Trees: A New Method for Detecting Differential Item Functioning in the Rasch Model. Psychometrika, 2015, 80, 289-316.	2.1	74
12	Anchor Selection Strategies for DIF Analysis. Educational and Psychological Measurement, 2015, 75, 22-56.	2.4	68
13	Conditional permutation importance revisited. BMC Bioinformatics, 2020, 21, 307.	2.6	63
14	Optimal classifier selection and negative bias in error rate estimation: an empirical study on high-dimensional prediction. BMC Medical Research Methodology, 2009, 9, 85.	3.1	56
15	Forest management and regional tree composition drive the host preference of saproxylic beetle communities. Journal of Applied Ecology, 2015, 52, 753-762.	4.0	56
16	Accounting for Individual Differences in Bradley-Terry Models by Means of Recursive Partitioning. Journal of Educational and Behavioral Statistics, 2011, 36, 135-153.	1.7	51
17	Letter to the Editor: On the term 'interaction' and related phrases in the literature on Random Forests. Briefings in Bioinformatics, 2015, 16, 338-345.	6.5	48
18	A Framework for Anchor Methods and an Iterative Forward Approach for DIF Detection. Applied Psychological Measurement, 2015, 39, 83-103.	1.0	30

#	ARTICLE	IF	CITATIONS
19	Tree-Based Global Model Tests for Polytomous Rasch Models. Educational and Psychological Measurement, 2018, 78, 128-166.	2.4	26
20	Measuring the Stability of Results From Supervised Statistical Learning. Journal of Computational and Graphical Statistics, 2018, 27, 685-700.	1.7	25
21	On the Estimation of Standard Errors in Cognitive Diagnosis Models. Journal of Educational and Behavioral Statistics, 2018, 43, 88-115.	1.7	21
22	Fitting prediction rule ensembles to psychological research data: An introduction and tutorial.. Psychological Methods, 2020, 25, 636-652.	3.5	17
23	Rasch Mixture Models for DIF Detection. Educational and Psychological Measurement, 2015, 75, 208-234.	2.4	16
24	Multiple Testing for SNP-SNP Interactions. Statistical Applications in Genetics and Molecular Biology, 2007, 6, Article37.	0.6	15
25	Flexible Rasch Mixture Models with Package <code>psychomix</code> . Journal of Statistical Software, 2012, 48, .	3.7	15
26	Score-Based Tests of Differential Item Functioning via Pairwise Maximum Likelihood Estimation. Psychometrika, 2018, 83, 132-155.	2.1	14
27	Maximally selected Chi-squared statistics and non-monotonic associations: An exact approach based on two cutpoints. Computational Statistics and Data Analysis, 2007, 51, 6295-6306.	1.2	12
28	Predictors of depression among middle-aged and older men and women in Europe: A machine learning approach. Lancet Regional Health - Europe, The, 2022, 18, 100391.	5.6	12
29	(Psycho-)analysis of benchmark experiments: A formal framework for investigating the relationship between data sets and learning algorithms. Computational Statistics and Data Analysis, 2014, 71, 986-1000.	1.2	9
30	Progressive or simple? A corpus-based study of aspect in World Englishes. Corpora, 2020, 15, 77-106.	0.7	8
31	An R toolbox for score-based measurement invariance tests in IRT models. Behavior Research Methods, 2022, 54, 2101-2113.	4.0	7
32	Investigating Measurement Invariance by Means of Parameter Instability Tests for 2PL and 3PL Models. Educational and Psychological Measurement, 2019, 79, 385-398.	2.4	6
33	Adaptive Selection of Extra Cutpoints – Towards Reconciling Robustness and Interpretability in Classification Trees. Journal of Statistical Theory and Practice, 2009, 3, 119-135.	0.5	4
34	A Comparison of Aggregation Rules for Selecting Anchor Items in Multigroup DIF Analysis. Journal of Educational Measurement, 2020, 57, 185-215.	1.2	4
35	Anchor Point Selection: Scale Alignment Based on an Inequality Criterion. Applied Psychological Measurement, 2021, 45, 214-230.	1.0	3
36	Measurement and Predictors of a Negative Attitude towards Statistics among LMU Students. , 2010, , 217-230.		1

#	ARTICLE	IF	CITATIONS
37	Psychoco: Psychometric Computing in <i>R</i> . <i>Journal of Statistical Software</i> , 2012, 48, .	3.7	1
38	A New Stopping Criterion for Rasch Trees Based on the Mantel-Haenszel Effect Size Measure for Differential Item Functioning. <i>Educational and Psychological Measurement</i> , 2023, 83, 181-212.	2.4	1
39	Score-based measurement invariance checks for Bayesian maximum a posteriori estimates in item response theory. <i>British Journal of Mathematical and Statistical Psychology</i> , 0, , .	1.4	0