Carolin Strobl

List of Publications by Year
in descending order

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	A New Stopping Criterion for Rasch Trees Based on the Mantel–Haenszel Effect Size Measure for Differential Item Functioning. Educational and Psychological Measurement, 2023, 83, 181-212.	2.4	1
2	An R toolbox for score-based measurement invariance tests in IRT models. Behavior Research Methods, 2022, 54, 2101-2113.	4.0	7
3	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
4	Anchor Point Selection: Scale Alignment Based on an Inequality Criterion. Applied Psychological Measurement, 2021, 45, 214-230.	1.0	3
5	A Comparison of Aggregation Rules for Selecting Anchor Items in Multigroup DIF Analysis. Journal of Educational Measurement, 2020, 57, 185-215.	1.2	4
6	Progressive or simple? A corpus-based study of aspect in World Englishes. Corpora, 2020, 15, 77-106.	0.7	8
7	Conditional permutation importance revisited. BMC Bioinformatics, 2020, 21, 307.	2.6	63
8	Fitting prediction rule ensembles to psychological research data: An introduction and tutorial.. Psychological Methods, 2020, 25, 636-652.	3.5	17
9	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
10	Tree-Based Global Model Tests for Polytomous Rasch Models. Educational and Psychological Measurement, 2018, 78, 128-166.	2.4	26
11	On the Estimation of Standard Errors in Cognitive Diagnosis Models. Journal of Educational and Behavioral Statistics, 2018, 43, 88-115.	1.7	21
12	Score-Based Tests of Differential Item Functioning via Pairwise Maximum Likelihood Estimation. Psychometrika, 2018, 83, 132-155.	2.1	14
13	Measuring the Stability of Results From Supervised Statistical Learning. Journal of Computational and Graphical Statistics, 2018, 27, 685-700.	1.7	25
14	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
15	Anchor Selection Strategies for DIF Analysis. Educational and Psychological Measurement, 2015, 75, 22-56.	2.4	68
16	A Framework for Anchor Methods and an Iterative Forward Approach for DIF Detection. Applied Psychological Measurement, 2015, 39, 83-103.	1.0	30
17	Rasch Mixture Models for DIF Detection. Educational and Psychological Measurement, 2015, 75, 208-234.	2.4	16
18	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

#	Article	IF	Citations
19	Rasch Trees: A New Method for Detecting Differential Item Functioning in the Rasch Model. Psychometrika, 2015, 80, 289-316.	2.1	74
20	A new variable importance measure for random forests with missing data. Statistics and Computing, 2014, 24, 21-34.	1.5	131
21	(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
22	An AUC-based permutation variable importance measure for random forests. BMC Bioinformatics, 2013, 14, 119.	2.6	179
23	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
24	Flexible Rasch Mixture Models with Packagepsychomix. Journal of Statistical Software, 2012, 48, .	3.7	15
25	Psychoco: Psychometric Computing in<i>R</i>. Journal of Statistical Software, 2012, 48, .	3.7	1
26	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
27	The behaviour of random forest permutation-based variable importance measures under predictor correlation. BMC Bioinformatics, 2010, 11, 110.	2.6	254
28	Measurement and Predictors of a Negative Attitude towards Statistics among LMU Students. , 2010, , 217-230.		1
29	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
30	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
31	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
32	Party on!. R Journal, 2009, 1, 14.	1.8	192
33	Conditional variable importance for random forests. BMC Bioinformatics, 2008, 9, 307.	2.6	2,129
34	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
35	Multiple Testing for SNP-SNP Interactions. Statistical Applications in Genetics and Molecular Biology, 2007, 6, Article37.	0.6	15
36	Unbiased split selection for classification trees based on the Gini Index. Computational Statistics and Data Analysis, 2007, 52, 483-501.	1.2	201

#	Article	IF	Citations
37	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
38	Bias in random forest variable importance measures: Illustrations, sources and a solution. BMC Bioinformatics, 2007, 8, 25.	2.6	2,328
39	Score–based measurement invariance checks for Bayesian maximum–a–posteriori estimates in item response theory. British Journal of Mathematical and Statistical Psychology, 0, , .	1.4	0