

Matthijs J Warrens

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

2,890
citations

304743

22
h-index

189892

50
g-index

79
all docs

79
docs citations

79
times ranked

1922
citing authors

#	ARTICLE	IF	CITATIONS
1	The coefficient of determination R-squared is more informative than SMAPE, MAE, MAPE, MSE and RMSE in regression analysis evaluation. <i>PeerJ Computer Science</i> , 2021, 7, e623.	4.5	1,095
2	Inequalities between multi-rater kappas. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 271-286.	1.4	159
3	The Matthews Correlation Coefficient (MCC) is More Informative Than Cohen's Kappa and Brier Score in Binary Classification Assessment. <i>IEEE Access</i> , 2021, 9, 78368-78381.	4.2	147
4	On the Equivalence of Cohen's Kappa and the Hubert-Arabie Adjusted Rand Index. <i>Journal of Classification</i> , 2008, 25, 177-183.	2.2	135
5	Five Ways to Look at Cohen's Kappa. , 2015, 05, .		117
6	On Association Coefficients for 2x2 Tables and Properties That Do Not Depend on the Marginal Distributions. <i>Psychometrika</i> , 2008, 73, 777-789.	2.1	116
7	On Similarity Coefficients for 2x2 Tables and Correction for Chance. <i>Psychometrika</i> , 2008, 73, 487-502.	2.1	72
8	Kappa Coefficients for Missing Data. <i>Educational and Psychological Measurement</i> , 2019, 79, 558-576.	2.4	61
9	Priming and binding in and across perception and action: A correlational analysis of the internal structure of event files. <i>Quarterly Journal of Experimental Psychology</i> , 2006, 59, 1785-1804.	1.1	56
10	An empirical analysis of alleged misunderstandings of coefficient alpha. <i>International Journal of Social Research Methodology: Theory and Practice</i> , 2019, 22, 351-364.	4.4	52
11	A Formal Proof of a Paradox Associated with Cohen's Kappa. <i>Journal of Classification</i> , 2010, 27, 322-332.	2.2	48
12	Cohen's kappa is a weighted average. <i>Statistical Methodology</i> , 2011, 8, 473-484.	0.5	43
13	Some Paradoxical Results for the Quadratically Weighted Kappa. <i>Psychometrika</i> , 2012, 77, 315-323.	2.1	40
14	Inequalities Between Kappa and Kappa-Like Statistics for kxk Tables. <i>Psychometrika</i> , 2010, 75, 176-185.	2.1	38
15	Properties of the quantity disagreement and the allocation disagreement. <i>International Journal of Remote Sensing</i> , 2015, 36, 1439-1446.	2.9	38
16	Conditional inequalities between Cohen's kappa and weighted kappas. <i>Statistical Methodology</i> , 2013, 10, 14-22.	0.5	35
17	A Comparison of Reliability Coefficients for Ordinal Rating Scales. <i>Journal of Classification</i> , 2021, 38, 519-543.	2.2	33
18	Bounds of Resemblance Measures for Binary (Presence/Absence) Variables. <i>Journal of Classification</i> , 2008, 25, 195-208.	2.2	30

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19	Declining trends in student performance in lower secondary education. <i>European Journal of Psychology of Education</i> , 2016, 31, 595-612.	2.6	29
20	Predicting quality of life and self-management from dyadic support and overprotection after myocardial infarction. <i>British Journal of Health Psychology</i> , 2007, 12, 473-489.	3.5	27
21	Cohen's kappa can always be increased and decreased by combining categories. <i>Statistical Methodology</i> , 2010, 7, 673-677.	0.5	26
22	On the Indeterminacy of Resemblance Measures for Binary (Presence/Absence) Data. <i>Journal of Classification</i> , 2008, 25, 125-136.	2.2	25
23	Cohen's Linearly Weighted Kappa is a Weighted Average of 2 ^k Kappas. <i>Psychometrika</i> , 2011, 76, 471-486.	2.1	25
24	Cohen's linearly weighted kappa is a weighted average. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 67-79.	1.4	24
25	Equivalences of weighted kappas for multiple raters. <i>Statistical Methodology</i> , 2012, 9, 407-422.	0.5	21
26	Weighted kappa is higher than Cohen's kappa for tridiagonal agreement tables. <i>Statistical Methodology</i> , 2011, 8, 268-272.	0.5	20
27	New Interpretations of Cohen's Kappa. <i>Journal of Mathematics</i> , 2014, 2014, 1-9.	1.0	20
28	Some Relationships Between Cronbach's Alpha and the Spearman-Brown Formula. <i>Journal of Classification</i> , 2015, 32, 127-137.	2.2	20
29	Understanding information theoretic measures for comparing clusterings. <i>Behaviormetrika</i> , 2019, 46, 353-370.	1.3	18
30	Cohen's weighted kappa with additive weights. <i>Advances in Data Analysis and Classification</i> , 2013, 7, 41-55.	1.4	17
31	k-Adic Similarity Coefficients for Binary (Presence/Absence) Data. <i>Journal of Classification</i> , 2009, 26, 227-245.	2.2	16
32	Relative quantity and allocation disagreement measures for category-level accuracy assessment. <i>International Journal of Remote Sensing</i> , 2015, 36, 5959-5969.	2.9	16
33	Inequalities Between Similarities for Numerical Data. <i>Journal of Classification</i> , 2016, 33, 141-148.	2.2	15
34	A comparison of reliability coefficients for psychometric tests that consist of two parts. <i>Advances in Data Analysis and Classification</i> , 2016, 10, 71-84.	1.4	14
35	Transforming intraclass correlation coefficients with the Spearman-Brown formula. <i>Journal of Clinical Epidemiology</i> , 2017, 85, 14-16.	5.0	14
36	Cohen's quadratically weighted kappa is higher than linearly weighted kappa for tridiagonal agreement tables. <i>Statistical Methodology</i> , 2012, 9, 440-444.	0.5	13

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37	Kappa Coefficients for Circular Classifications. <i>Journal of Classification</i> , 2016, 33, 507-522.	2.2	13
38	n-Way Metrics. <i>Journal of Classification</i> , 2010, 27, 173-190.	2.2	12
39	A Kraemer-type Rescaling that Transforms the Odds Ratio into a Weighted Kappa Coefficient. <i>Psychometrika</i> , 2010, 75, 328-330.	2.1	12
40	Chance-corrected measures for 2 × 2 tables that coincide with weighted kappa. <i>British Journal of Mathematical and Statistical Psychology</i> , 2011, 64, 355-365.	1.4	12
41	Weighted Kappas for 3 × 3 Tables. <i>Journal of Probability and Statistics</i> , 2013, 2013, 1-9.	0.7	11
42	Corrected Zegers-ten Berge Coefficients Are Special Cases of Cohen's Weighted Kappa. <i>Journal of Classification</i> , 2014, 31, 179-193.	2.2	11
43	The gender-specific impact of emotional tears. <i>Motivation and Emotion</i> , 2019, 43, 696-704.	1.3	11
44	Kappa coefficients for dichotomous-nominal classifications. <i>Advances in Data Analysis and Classification</i> , 2021, 15, 193-208.	1.4	11
45	The effect of combining categories on Bennett, Alpert and Goldstein's. <i>Statistical Methodology</i> , 2012, 9, 341-352.	0.5	10
46	Power Weighted Versions of Bennett, Alpert, and Goldstein's. <i>Journal of Mathematics</i> , 2014, 2014, 1-9.	1.0	9
47	Some common errors of experimental design, interpretation and inference in agreement studies. <i>Statistical Methods in Medical Research</i> , 2015, 24, 920-935.	1.5	8
48	On Cronbach's Alpha as the Mean of All Possible Split Alphas. <i>Advances in Statistics</i> , 2014, 2014, 1-5.	0.5	8
49	A family of multi-rater kappas that can always be increased and decreased by combining categories. <i>Statistical Methodology</i> , 2012, 9, 330-340.	0.5	7
50	Similarity measures for 2 × 2 tables. <i>Journal of Intelligent and Fuzzy Systems</i> , 2019, 36, 3005-3018.	1.4	7
51	Understanding the Rand Index. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2020, , 301-313.	0.2	7
52	Relations of autonomous and controlled motivation with performance in secondary school students' favoured and disfavoured subjects. <i>Educational Research and Evaluation</i> , 2018, 24, 51-67.	1.6	6
53	Category kappas for agreement between fuzzy classifications. <i>Neurocomputing</i> , 2016, 194, 385-388.	5.9	5
54	On Association Coefficients, Correction for Chance, and Correction for Maximum Value. <i>Journal of Modern Mathematics Frontier</i> , 2013, 2, 111.	0.3	5

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55	A Systematic Comparison Between Classical Optimal Scaling and the Two-Parameter IRT Model. Applied Psychological Measurement, 2007, 31, 106-120.	1.0	4
56	On multi-way metricity, minimality and diagonal planes. Advances in Data Analysis and Classification, 2008, 2, 109-119.	1.4	4
57	On Robinsonian dissimilarities, the consecutive ones property and latent variable models. Advances in Data Analysis and Classification, 2009, 3, 169-184.	1.4	4
58	Additive kappa can be increased by combining adjacent categories. International Mathematical Forum, 2015, 10, 323-328.	0.1	4
59	Families of Relational Statistics for 2 \times 2 Tables. Interdisciplinary Mathematical Sciences, 2010, , 25-51.	0.4	4
60	Diagnostics for regression dependence in tables re-ordered by the dominant correspondence analysis solution. Computational Statistics and Data Analysis, 2009, 53, 3139-3144.	1.2	3
61	The Cicchetti's Allison weighting matrix is positive definite. Computational Statistics and Data Analysis, 2013, 59, 180-182.	1.2	3
62	Symmetric kappa as a function of unweighted kappas. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 5240-5245.	1.2	3
63	Supporting young struggling readers at Success for All schools in the United States and the Netherlands: Comparative case studies. Research in Comparative and International Education, 2021, 16, 22-42.	1.3	3
64	On the Negative Bias of the Gini Coefficient due to Grouping. Journal of Classification, 2018, 35, 580-586.	2.2	2
65	On Marginal Dependencies of the 2 \times 2 Kappa. Advances in Statistics, 2014, 2014, 1-6.	0.5	2
66	Predictive Power of School Motivation Clusters in Secondary Education. Studies in Classification, Data Analysis, and Knowledge Organization, 2021, , 341-349.	0.2	1
67	Robinson Cubes. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 515-523.	0.2	1
68	On Agreement Tables with Constant Kappa Values. Advances in Statistics, 2014, 2014, 1-5.	0.5	1
69	Understanding Malvestuto's Normalized Mutual Information. Studies in Classification, Data Analysis, and Knowledge Organization, 2020, , 289-299.	0.2	1
70	Study profile choices in secondary education: searching for factors underlying the recommendations made by school guidance counsellors and tutors to vignette students. British Journal of Guidance and Counselling, 2023, 51, 1005-1024.	1.2	1
71	Reparametrization of Homogeneity Analysis to Accommodate Item Response Functions. Behaviormetrika, 2005, 32, 127-139.	1.3	0
72	Ordering Properties of the First Eigenvector of Certain Similarity Matrices. Journal of Mathematics, 2015, 2015, 1-5.	1.0	0

#	ARTICLE	IF	CITATIONS
73	On Association Measures for Continuous Variables and Correction for Chance. <i>Journal of Probability and Statistics</i> , 2015, 2015, 1-6.	0.7	0
74	Semigroups of data normalization functions. <i>International Mathematical Forum</i> , 2016, 11, 809-815.	0.1	0
75	Properties of Bangdiwala's B. <i>Advances in Data Analysis and Classification</i> , 2019, 13, 481-493.	1.4	0
76	School motivation profiles of Dutch 9th graders. <i>Communications in Statistics Case Studies Data Analysis and Applications</i> , 2021, 7, 359-381.	0.3	0
77	On the Equivalence of Multirater Kappas Based on 2-Agreement and 3-Agreement with Binary Scores. <i>ISRN Probability and Statistics</i> , 2012, 2012, 1-11.	0.2	0