

Andreas Mayr Dipl Stat

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,386
citations

236612

25
h-index

243296

44
g-index

97
all docs

97
docs citations

97
times ranked

3135
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolution of Boosting Algorithms. <i>Methods of Information in Medicine</i> , 2014, 53, 419-427.	0.7	209
2	Model-based boosting in R: a hands-on tutorial using the R package mboost. <i>Computational Statistics</i> , 2014, 29, 3-35.	0.8	169
3	Does early improvement triggered by antidepressants predict response/remission? â€” Analysis of data from a naturalistic study on a large sample of inpatients with major depression. <i>Journal of Affective Disorders</i> , 2009, 115, 439-449.	2.0	150
4	Approaches to Regularized Regression â€” A Comparison between Gradient Boosting and the Lasso. <i>Methods of Information in Medicine</i> , 2016, 55, 422-430.	0.7	114
5	Effect of Internet-Based Guided Self-help vs Individual Face-to-Face Treatment on Full or Subsyndromal Binge Eating Disorder in Overweight or Obese Patients. <i>JAMA Psychiatry</i> , 2017, 74, 987.	6.0	112
6	Generalized Additive Models for Location, Scale and Shape for High Dimensional Dataâ€”A Flexible Approach Based on Boosting. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2012, 61, 403-427.	0.5	101
7	Should the PANSS Be Rescaled?. <i>Schizophrenia Bulletin</i> , 2010, 36, 455-460.	2.3	94
8	Boosting the Concordance Index for Survival Data â€” A Unified Framework To Derive and Evaluate Biomarker Combinations. <i>PLoS ONE</i> , 2014, 9, e84483.	1.1	84
9	The Importance of Knowing When to Stop. <i>Methods of Information in Medicine</i> , 2012, 51, 178-186.	0.7	64
10	Homer-1 polymorphisms are associated with psychopathology and response to treatment in schizophrenic patients. <i>Journal of Psychiatric Research</i> , 2011, 45, 234-241.	1.5	55
11	Predictors of response and remission in the acute treatment of first-episode schizophrenia patients â€” Is it all about early response?. <i>European Neuropsychopharmacology</i> , 2011, 21, 370-378.	0.3	46
12	Boosted Beta Regression. <i>PLoS ONE</i> , 2013, 8, e61623.	1.1	46
13	Predictive Modelling Based on Statistical Learning in Biomedicine. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-3.	0.7	43
14	An early improvement threshold to predict response and remission in first-episode schizophrenia. <i>British Journal of Psychiatry</i> , 2010, 196, 460-466.	1.7	42
15	Extending Statistical Boosting. <i>Methods of Information in Medicine</i> , 2014, 53, 428-435.	0.7	40
16	The Randomized AMBORA Trial: Impact of Pharmacological/Pharmaceutical Care on Medication Safety and Patient-Reported Outcomes During Treatment With New Oral Anticancer Agents. <i>Journal of Clinical Oncology</i> , 2021, 39, 1983-1994.	0.8	37
17	INTERBED: internet-based guided self-help for overweight and obese patients with full or subsyndromal binge eating disorder. A multicenter randomized controlled trial. <i>Trials</i> , 2012, 13, 220.	0.7	36
18	Economic evaluation of cognitive behavioral therapy and Internetâ€”based guided selfâ€”help for bingeâ€”eating disorder. <i>International Journal of Eating Disorders</i> , 2018, 51, 155-164.	2.1	36

#	ARTICLE	IF	CITATIONS
19	Gradient boosting for distributional regression: faster tuning and improved variable selection via noncyclical updates. <i>Statistics and Computing</i> , 2018, 28, 673-687.	0.8	36
20	Web-based data collection yielded an additional response bias but had no direct effect on outcome scales. <i>Journal of Clinical Epidemiology</i> , 2012, 65, 970-977.	2.4	35
21	gamboostLSS: An R Package for Model Building and Variable Selection in the GAMLSS Framework. <i>Journal of Statistical Software</i> , 2016, 74, .	1.8	35
22	Estimating effective infection fatality rates during the course of the COVID-19 pandemic in Germany. <i>BMC Public Health</i> , 2021, 21, 1073.	1.2	33
23	Akathisia and Suicidal Ideation in First-Episode Schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2012, 32, 694-698.	0.7	29
24	Caffeine intake is related to successful weight loss maintenance. <i>European Journal of Clinical Nutrition</i> , 2016, 70, 532-534.	1.3	28
25	Postoperative delirium after cardiac surgery of elderly patients as an independent risk factor for prolonged length of stay in intensive care unit and in hospital. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 3047-3056.	1.4	28
26	Boosting for statistical modelling-A non-technical introduction. <i>Statistical Modelling</i> , 2018, 18, 365-384.	0.5	26
27	Boosting the discriminatory power of sparse survival models via optimization of the concordance index and stability selection. <i>BMC Bioinformatics</i> , 2016, 17, 288.	1.2	25
28	An Update on Statistical Boosting in Biomedicine. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-12.	0.7	25
29	Pharmacist-Led Medication Reviews to Identify and Collaboratively Resolve Drug-Related Problems in Psychiatry – A Controlled, Clinical Trial. <i>PLoS ONE</i> , 2015, 10, e0142011.	1.1	25
30	Prediction intervals for future BMI values of individual children - a non-parametric approach by quantile boosting. <i>BMC Medical Research Methodology</i> , 2012, 12, 6.	1.4	24
31	Depressive symptoms and their association with acute treatment outcome in first-episode schizophrenia patients: Comparing treatment with risperidone and haloperidol. <i>World Journal of Biological Psychiatry</i> , 2012, 13, 30-38.	1.3	23
32	What distinguishes weight loss maintainers of the German Weight Control Registry from the general population?. <i>Obesity</i> , 2015, 23, 1112-1118.	1.5	23
33	Probing for Sparse and Fast Variable Selection with Model-Based Boosting. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-8.	0.7	23
34	Feasibility and Acceptability of an Alcohol Addiction Therapy Integrated in a Transplant Center for Patients Awaiting Liver Transplantation. <i>Alcohol and Alcoholism</i> , 2016, 51, 40-46.	0.9	21
35	On the dependency of soccer scores – a sparse bivariate Poisson model for the UEFA European football championship 2016. <i>Journal of Quantitative Analysis in Sports</i> , 2018, 14, 65-79.	0.5	21
36	Psychopathological Networks in Cognitive-Behavioral Treatments for Binge-Eating Disorder. <i>Psychotherapy and Psychosomatics</i> , 2020, 89, 379-385.	4.0	20

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37	Virtual reality and gait rehabilitation Augmented feedback for the Lokomat. , 2009, , .		19
38	Adherence as a predictor of dropout in Internet-based guided self-help for adults with binge-eating disorder and overweight or obesity. International Journal of Eating Disorders, 2020, 53, 555-563.	2.1	19
39	Early Change Trajectories in Cognitive-Behavioral Therapy for Binge-Eating Disorder. Behavior Therapy, 2019, 50, 115-125.	1.3	18
40	RefCurv: A software for the construction of pediatric reference curves. Software Impacts, 2020, 6, 100040.	0.8	18
41	Relationship between Baseline Severity of Depression and Antidepressant Treatment Outcome. Pharmacopsychiatry, 2011, 44, 27-32.	1.7	17
42	Dose Reduction of the Female Breast in Chest CT. American Journal of Roentgenology, 2014, 202, W447-W452.	1.0	17
43	Effects of the Lifestyle Intervention Program GLICEMIA in People at Risk for Type 2 Diabetes: A Cluster-Randomized Controlled Trial: Table 1. Diabetes Care, 2015, 38, 937-939.	4.3	17
44	Sonographic weight estimation in fetal macrosomia: influence of the time interval between estimation and delivery. Archives of Gynecology and Obstetrics, 2015, 292, 59-67.	0.8	17
45	A permutation test to analyse systematic bias and random measurement errors of medical devices via boosting location and scale models. Statistical Methods in Medical Research, 2017, 26, 1443-1460.	0.7	16
46	Postoperative delirium is an independent factor influencing the length of stay of elderly patients in the intensive care unit and in hospital. Journal of Anesthesia, 2022, 36, 341-348.	0.7	16
47	Boosting joint models for longitudinal and time-to-event data. Biometrical Journal, 2017, 59, 1104-1121.	0.6	14
48	Sonographic weight estimation in fetuses with breech presentation. Archives of Gynecology and Obstetrics, 2013, 287, 851-858.	0.8	13
49	Accuracy of sonographic fetal weight estimation: influence of the scan-to-delivery interval in combination with the applied weight estimation formula. Archives of Gynecology and Obstetrics, 2016, 294, 487-493.	0.8	13
50	Correlation of short-term variation and Doppler parameters with adverse perinatal outcome in low-risk fetuses at term. Archives of Gynecology and Obstetrics, 2019, 299, 411-420.	0.8	13
51	Should early improvement be redefined to better predict the maintenance of response in first-episode schizophrenia patients?. Acta Psychiatrica Scandinavica, 2013, 127, 474-481.	2.2	10
52	Estimating patients' risk for postoperative delirium from preoperative routine data - Trial design of the PRe-Operative prediction of postoperative DELirium by appropriate SCReening (PROPDESC) study - A monocentre prospective observational trial. Contemporary Clinical Trials Communications, 2020, 17, 100501.	0.5	10
53	The Impact of Perioperative and Predisposing Risk Factors on the Development of Postoperative Delirium and a Possible Gender Difference. Geriatrics (Switzerland), 2022, 7, 65.	0.6	9
54	Effect of a Multi-Dimensional and Inter-Sectoral Intervention on the Adherence of Psychiatric Patients. PLoS ONE, 2015, 10, e0139302.	1.1	8

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55	Latent class distributional regression for the estimation of non-linear reference limits from contaminated data sources. <i>BMC Bioinformatics</i> , 2020, 21, 524.	1.2	8
56	Pre-Operative Prediction of postoperative DELirium by appropriate SCReening (PROPDESC) development and validation of a pragmatic POD risk screening score based on routine preoperative data. <i>Journal of Clinical Anesthesia</i> , 2022, 78, 110684.	0.7	8
57	Deselection of base-learners for statistical boosting with an application to distributional regression. <i>Statistical Methods in Medical Research</i> , 2022, 31, 207-224.	0.7	8
58	Assessing skin pigmentation in epidemiological studies: The reliability of measurements under different conditions. <i>Skin Research and Technology</i> , 2013, 19, 100-106.	0.8	7
59	Performance of stented biological valves for right ventricular outflow tract reconstruction. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 23, 933-939.	0.5	7
60	Longitudinal Assessment of Examiner Experience and the Accuracy of Sonographic Fetal Weight Estimation at Term. <i>Journal of Ultrasound in Medicine</i> , 2017, 36, 163-174.	0.8	7
61	The <i>betaboost</i> package a software tool for modelling bounded outcome variables in potentially high-dimensional epidemiological data. <i>International Journal of Epidemiology</i> , 2018, 47, 1383-1388.	0.9	7
62	A New Sonographic Weight Estimation Formula for Small-for-Gestational-Age Fetuses. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 1713-1724.	0.8	6
63	Advances in clinical pharmacy education in Germany: a quasi-experimental single-blinded study to evaluate a patient-centred clinical pharmacy course in psychiatry. <i>BMC Medical Education</i> , 2017, 17, 251.	1.0	6
64	Signal Regression Models for Location, Scale and Shape with an Application to Stock Returns. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2018, 67, 665-686.	0.5	6
65	Can Sonographic Fetal Biometry Predict Adverse Perinatal Outcome?. <i>Ultraschall in Der Medizin</i> , 2019, 40, 230-236.	0.8	6
66	Measuring the cellular memory B cell response after vaccination in patients after allogeneic stem cell transplantation. <i>Annals of Hematology</i> , 2020, 99, 1895-1906.	0.8	6
67	Perioperative Vascular Biomarker Profiling in Elective Surgery Patients Developing Postoperative Delirium: A Prospective Cohort Study. <i>Biomedicines</i> , 2021, 9, 553.	1.4	6
68	Travel behaviour of patients with haemophilia. <i>Travel Medicine and Infectious Disease</i> , 2013, 11, 159-165.	1.5	5
69	Prospective, randomized, double-blind, placebo-controlled phase IIa clinical trial on the effects of an estrogen-progestin combination as add-on to inpatient psychotherapy in adult female patients suffering from anorexia nervosa. <i>BMC Psychiatry</i> , 2018, 18, 93.	1.1	5
70	Correlation of short-term variation and Doppler parameters with adverse perinatal outcome in small-for-gestational age fetuses at term. <i>Archives of Gynecology and Obstetrics</i> , 2019, 300, 575-581.	0.8	5
71	Significance Tests for Boosted Location and Scale Models with Linear Base-Learners. <i>International Journal of Biostatistics</i> , 2019, 15, .	0.4	5
72	Ultrasound Fetal Weight Estimation in Diabetic Pregnancies. <i>Journal of Ultrasound in Medicine</i> , 2020, 39, 341-350.	0.8	5

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73	Validation of the Preoperative Score to Predict Postoperative Mortality (POSPOM) in Germany. PLoS ONE, 2021, 16, e0245841.	1.1	5
74	Randomized boosting with multivariable base-learners for high-dimensional variable selection and prediction. BMC Bioinformatics, 2021, 22, 441.	1.2	5
75	Influence of Sonographic Fetal Weight Estimation Inaccuracies inÂMacrosomia on Perinatal Outcome. Ultraschall in Der Medizin, 2022, 43, e56-e64.	0.8	4
76	The level of postoperative care influences mortality prediction by the POSPOM score: A retrospective cohort analysis. PLoS ONE, 2021, 16, e0257829.	1.1	4
77	Effects of treatment with SGLT-2 inhibitors on arginine-related cardiovascular and renal biomarkers. Cardiovascular Diabetology, 2022, 21, 4.	2.7	4
78	GenRisk: a tool for comprehensive genetic risk modeling. Bioinformatics, 2022, 38, 2651-2653.	1.8	4
79	More than one way: exploring the capabilities of different estimation approaches to joint models for longitudinal and time-to-event outcomes. International Journal of Biostatistics, 2021, .	0.4	3
80	Clinical value of pre-operative scoring systems to predict leiomyosarcoma: results of a validation study in 177 patients from the NOGGO-REGSA Registry. International Journal of Gynecological Cancer, 2022, , ijgc-2021-003334.	1.2	3
81	Multimodal treatment efficacy differs in dependence of core symptom profiles in adult Attention-Deficit/Hyperactivity Disorder: An analysis of the randomized controlled COMPAS trial. Journal of Psychiatric Research, 2022, 151, 225-234.	1.5	3
82	Longitudinal<i>z</i>Score Distribution in Sonographic Fetal Biometry: Influence of Examiner and Experience. Journal of Ultrasound in Medicine, 2017, 36, 1021-1028.	0.8	2
83	Longitudinal Course of Short-Term Variation and Doppler Parameters in Early Onset Growth Restricted Fetuses. Ultraschall in Der Medizin, 2020, 41, e23-e32.	0.8	2
84	Amniotic-Umbilical-to-Cerebral Ratio â€“ A Novel Ratio Combining Doppler Parameters and Amniotic Fluid Volume to Predict Adverse Perinatal Outcome in SGA Fetuses At Term. Ultraschall in Der Medizin, 2020, , .	0.8	1
85	Gradient boosting in Markov-switching generalized additive models for location, scale, and shape. Econometrics and Statistics, 2021, , .	0.4	1
86	Estimating the course of the COVID-19 pandemic in Germany via spline-based hierarchical modelling of death counts. Scientific Reports, 2022, 12, .	1.6	1
87	Editorial 'Bridging the gap between methodology and applications: Tutorials on semiparametric regression'. Statistical Modelling, 2018, 18, 199-202.	0.5	0