# Kurt Hornik

List of Publications by Year
in descending order

| 139 papers | 46,162 citations | 44069<br>48 h-index | 16183<br>124 g-index |
| --- | --- | --- | --- |
| 144 all docs | 144 docs citations | 144 times ranked | 56120 citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Multilayer feedforward networks are universal approximators. Neural Networks, 1989, 2, 359-366. | 5.9 | 16,040 |
| 2 | Bioconductor: open software development for computational biology and bioinformatics. Genome Biology, 2004, 5, R80. | 9.6 | 10,796 |
| 3 | Approximation capabilities of multilayer feedforward networks. Neural Networks, 1991, 4, 251-257. | 5.9 | 4,131 |
| 4 | Unbiased Recursive Partitioning: A Conditional Inference Framework. Journal of Computational and Graphical Statistics, 2006, 15, 651-674. | 1.7 | 2,829 |
| 5 | Universal approximation of an unknown mapping and its derivatives using multilayer feedforward networks. Neural Networks, 1990, 3, 551-560. | 5.9 | 1,612 |
| 6 | Neural networks and principal component analysis: Learning from examples without local minima. Neural Networks, 1989, 2, 53-58. | 5.9 | 960 |
| 7 | Text Mining Infrastructure in <i>R</i>. Journal of Statistical Software, 2008, 25, . | 3.7 | 654 |
| 8 | A Lego System for Conditional Inference. American Statistician, 2006, 60, 257-263. | 1.6 | 644 |
| 9 | <b>strucchange</b>: An <i>R</i> Package for Testing for Structural Change in Linear Regression Models. Journal of Statistical Software, 2002, 7, . | 3.7 | 634 |
| 10 | The support vector machine under test. Neurocomputing, 2003, 55, 169-186. | 5.9 | 620 |
| 11 | Testing and dating of structural changes in practice. Computational Statistics and Data Analysis, 2003, 44, 109-123. | 1.2 | 573 |
| 12 | <b>topicmodels</b>: An <i>R</i> Package for Fitting Topic Models. Journal of Statistical Software, 2011, 40, . | 3.7 | 530 |
| 13 | Model-Based Recursive Partitioning. Journal of Computational and Graphical Statistics, 2008, 17, 492-514. | 1.7 | 477 |
| 14 | <b>arules</b> - A Computational Environment for Mining Association Rules and Frequent Item Sets. Journal of Statistical Software, 2005, 14, . | 3.7 | 309 |
| 15 | Open-source machine learning: R meets Weka. Computational Statistics, 2009, 24, 225-232. | 1.5 | 305 |
| 16 | PTA versus Palmaz Stent Placement in Femoropopliteal Artery Obstructions: A Multicenter Prospective Randomized Study. Journal of Vascular and Interventional Radiology, 2001, 12, 23-31. | 0.5 | 252 |
| 17 | The Strucplot Framework: Visualizing Multi-way Contingency Tables with <b>vcd</b>. Journal of Statistical Software, 2006, 17, . | 3.7 | 203 |
| 18 | Learning in linear neural networks: a survey. IEEE Transactions on Neural Networks, 1995, 6, 837-858. | 4.2 | 198 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | Getting Things in Order: An Introduction to the<i>R</i>Package<b>seriation</b>. Journal of Statistical Software, 2008, 25, . | 3.7 | 178 |
| 20 | Monitoring structural change in dynamic econometric models. Journal of Applied Econometrics, 2005, 20, 99-121. | 2.3 | 158 |
| 21 | A CLUE for CLUster Ensembles. Journal of Statistical Software, 2005, 14, . | 3.7 | 149 |
| 22 | The Design and Analysis of Benchmark Experiments. Journal of Computational and Graphical Statistics, 2005, 14, 675-699. | 1.7 | 148 |
| 23 | Degree of Approximation Results for Feedforward Networks Approximating Unknown Mappings and Their Derivatives. Neural Computation, 1994, 6, 1262-1275. | 2.2 | 140 |
| 24 | MOSUM tests for parameter constancy. Biometrika, 1995, 82, 603-617. | 2.4 | 139 |
| 25 | The generalized fluctuation test: A unifying view. Econometric Reviews, 1995, 14, 135-161. | 1.1 | 136 |
| 26 | Residual-Based Shadings for Visualizing (Conditional) Independence. Journal of Computational and Graphical Statistics, 2007, 16, 507-525. | 1.7 | 136 |
| 27 | Escaping RGBland: Selecting colors for statistical graphics. Computational Statistics and Data Analysis, 2009, 53, 3259-3270. | 1.2 | 130 |
| 28 | ANXIETY AS A PREDICTOR OF RELAPSE IN DETOXIFIED ALCOHOL-DEPENDENT PATIENTS. Alcohol and Alcoholism, 2002, 37, 609-612. | 1.6 | 129 |
| 29 | Isotone Optimization in<i>R</i>: Pool-Adjacent-Violators Algorithm (PAVA) and Active Set Methods. Journal of Statistical Software, 2009, 32, . | 3.7 | 126 |
| 30 | Life after death: Posttraumatic stress disorder in survivors of cardiac arrestâ€"Prevalence, associated factors, and the influence of sedation and analgesia. Critical Care Medicine, 2004, 32, 378-383. | 0.9 | 121 |
| 31 | Dopamine D3 receptor gene polymorphism and response to clozapine in schizophrenic Pakistani patients. European Neuropsychopharmacology, 1999, 10, 17-20. | 0.7 | 120 |
| 32 | Convergence of learning algorithms with constant learning rates. IEEE Transactions on Neural Networks, 1991, 2, 484-489. | 4.2 | 118 |
| 33 | No evidence for in vivo regulation of midbrain serotonin transporter availability by serotonin transporter promoter gene polymorphism. Biological Psychiatry, 2001, 50, 8-12. | 1.3 | 117 |
| 34 | Generalized Mâ€fluctuation tests for parameter instability. Statistica Neerlandica, 2007, 61, 488-508. | 1.6 | 100 |
| 35 | MONITORING STRUCTURAL CHANGES WITH THE GENERALIZED FLUCTUATION TEST. Econometric Theory, 2000, 16, 835-854. | 0.7 | 99 |
| 36 | Genome scan for susceptibility loci for schizophrenia and bipolar disorder. Biological Psychiatry, 2002, 52, 40-52. | 1.3 | 95 |

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|---|---------|-----|-----------|
| 37 | Guided self-help versus cognitive-behavioral group therapy in the treatment of bulimia nervosa. International Journal of Eating Disorders, 2004, 35, 522-537. | 4.0 | 95 |
| 38 | A GABRB3 promoter haplotype associated with childhood absence epilepsy impairs transcriptional activity. Human Molecular Genetics, 2006, 15, 2533-2541. | 2.9 | 94 |
| 39 | A quantitative comparison of functional MRI cluster analysis. Artificial Intelligence in Medicine, 2004, 31, 57-71. | 6.5 | 84 |
| 40 | The Comprehensive R Archive Network. Wiley Interdisciplinary Reviews: Computational Statistics, 2012, 4, 394-398. | 3.9 | 80 |
| 41 | Making friends and communicating on Facebook: Implications for the access to social capital. Social Networks, 2014, 37, 29-41. | 2.1 | 80 |
| 42 | The Tridimensional Personality Questionnaire as a Predictor of Relapse in Detoxified Alcohol Dependents. Alcoholism: Clinical and Experimental Research, 1999, 23, 483-486. | 2.4 | 77 |
| 43 | A COMBINATION SCHEME FOR FUZZY CLUSTERING. International Journal of Pattern Recognition and Artificial Intelligence, 2002, 16, 901-912. | 1.2 | 75 |
| 44 | Genome Scan for Susceptibility Loci for Schizophrenia. Neuropsychobiology, 2000, 42, 175-182. | 1.9 | 68 |
| 45 | Efficacy of fluvoxamine in preventing relapse in alcohol dependence: a one-year, double-blind, placebo-controlled multicentre study with analysis by typology. Drug and Alcohol Dependence, 2004, 74, 61-70. | 3.2 | 67 |
| 46 | Forecasting sports tournaments by ratings of (prob)abilities: A comparison for the EUROÂ2008. International Journal of Forecasting, 2010, 26, 471-481. | 6.5 | 62 |
| 47 | The Moving-Estimates Test for Parameter Stability. Econometric Theory, 1995, 11, 699-720. | 0.7 | 57 |
| 48 | Possible association between childhood absence epilepsy and the gene encoding GABRB3. Biological Psychiatry, 1999, 46, 997-1002. | 1.3 | 57 |
| 49 | Non-association of dopamine D4 and D2 receptor genes with personality in healthy individuals. Psychiatric Genetics, 2000, 10, 131-137. | 1.1 | 54 |
| 50 | Voting-Merging: An Ensemble Method for Clustering. Lecture Notes in Computer Science, 2001, , 217-224. | 1.3 | 48 |
| 51 | [123I]-Î²-CIT SPECT Imaging Shows Reduced Thalamusâ€"Hypothalamus Serotonin Transporter Availability in 24 Drug-Free Obsessive-Compulsive Checkers. Neuropsychopharmacology, 2007, 32, 1661-1668. | 5.4 | 46 |
| 52 | Stationary and Integrated Autoregressive Neural Network Processes. Neural Computation, 2000, 12, 2427-2450. | 2.2 | 44 |
| 53 | Changes in Thalamusâ€"Hypothalamus Serotonin Transporter Availability during Clomipramine Administration in Patients with Obsessiveâ€"Compulsive Disorder. Neuropsychopharmacology, 2008, 33, 3126-3134. | 5.4 | 44 |
| 54 | No association of clock gene T3111C polymorphism and affective disorders. European Neuropsychopharmacology, 2005, 15, 51-55. | 0.7 | 43 |

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| 55 | ThetextcatPackage forn-Gram Based Text Categorization inR. Journal of Statistical Software, 2013, 52, . | 3.7 | 39 |
| 56 | Role of family history and 5-HTTLPR polymorphism in female seasonal affective disorder patients with and without premenstrual dysphoric disorder. European Neuropsychopharmacology, 2002, 12, 129-134. | 0.7 | 38 |
| 57 | New probabilistic interest measures for association rules. Intelligent Data Analysis, 2007, 11, 437-455. | 0.9 | 38 |
| 58 | Behavioral effects of tryptophan depletion in seasonal affective disorder associated with the serotonin transporter gene?. Psychiatry Research, 1999, 85, 241-246. | 3.3 | 34 |
| 59 | Multivariate ordinal regression models: an analysis of corporate credit ratings. Statistical Methods and Applications, 2019, 28, 507-539. | 1.2 | 30 |
| 60 | Cross-validation with active pattern selection for neural-network classifiers. IEEE Transactions on Neural Networks, 1998, 9, 35-41. | 4.2 | 28 |
| 61 | Motivation, values, and work design as drivers of participation in the R open source project for statistical computing. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14788-14792. | 7.1 | 28 |
| 62 | Schizophrenia and the dopamine-$\beta$-hydroxylase gene. Psychiatric Genetics, 1996, 6, 17-22. | 1.1 | 27 |
| 63 | Emacs Speaks Statistics: A Multiplatform, Multipackage Development Environment for Statistical Analysis. Journal of Computational and Graphical Statistics, 2004, 13, 247-261. | 1.7 | 25 |
| 64 | How to derive consensus among various marketing journal rankings?. Journal of Business Research, 2014, 67, 998-1006. | 10.2 | 25 |
| 65 | Measuring the Stability of Results From Supervised Statistical Learning. Journal of Computational and Graphical Statistics, 2018, 27, 685-700. | 1.7 | 25 |
| 66 | Association Studies of Candidate Genes in Bipolar Disorders. Neuropsychobiology, 2000, 42, 18-21. | 1.9 | 24 |
| 67 | Amos-type bounds for modified Bessel function ratios. Journal of Mathematical Analysis and Applications, 2013, 408, 91-101. | 1.0 | 19 |
| 68 | Optimal linear compression under unreliable representation and robust PCA neural models. IEEE Transactions on Neural Networks, 1999, 10, 1186-1195. | 4.2 | 18 |
| 69 | Modelling the effects of the Austrian inpatient reimbursement system on length-of-stay distributions. OR Spectrum, 2003, 25, 183-206. | 3.4 | 17 |
| 70 | Possible linkage of schizophrenia and bipolar affective disorder to chromosome 3q29. Journal of Psychiatric Research, 2004, 38, 357-364. | 3.1 | 17 |
| 71 | Serotonin transporter promoter gene polymorphic region (5-HTTLPR) and personality in female patients with seasonal affective disorder and in healthy controls. European Neuropsychopharmacology, 2004, 14, 53-58. | 0.7 | 17 |
| 72 | On conjugate families and Jeffreys priors for von Misesâ€"Fisher distributions. Journal of Statistical Planning and Inference, 2013, 143, 992-999. | 0.6 | 17 |

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| 73 | Are There Too Many R Packages?. Austrian Journal of Statistics, 2016, 41, . | 0.6 | 17 |
| 74 | Model trees with topic model preprocessing: An approach for data journalism illustrated with the WikiLeaks Afghanistan war logs. Annals of Applied Statistics, 2013, 7, . | 1.1 | 16 |
| 75 | A data mining framework for targeted category promotions. Journal of Business Economics, 2017, 87, 337-358. | 1.9 | 16 |
| 76 | Deriving Consensus Rankings from Benchmarking Experiments. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 163-170. | 0.2 | 16 |
| 77 | Content-Based Social Network Analysis of Mailing Lists. R Journal, 2011, 3, 11. | 1.8 | 16 |
| 78 | Diencephalic Serotonin Transporter Availability Predicts Both Transporter Occupancy and Treatment Response to Sertraline in Obsessive-Compulsive Checkers. Biological Psychiatry, 2009, 66, 1115-1122. | 1.3 | 15 |
| 79 | Association study of schizophrenia spectrum disorders and dopamine D3 receptor gene: is schizoaffective disorder special?. Psychiatry Research, 2000, 96, 179-183. | 3.3 | 14 |
| 80 | Homozygosity of the interleukin-10 receptor 1 G330R allele is associated with schizophrenia. American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2007, 144B, 347-350. | 1.7 | 14 |
| 81 | Selective association rule generation. Computational Statistics, 2008, 23, 303-315. | 1.5 | 13 |
| 82 | On maximum likelihood estimation of the concentration parameter of von Mises–Fisher distributions. Computational Statistics, 2014, 29, 945-957. | 1.5 | 13 |
| 83 | A Combination Scheme for Fuzzy Clustering. Lecture Notes in Computer Science, 2002, , 332-338. | 1.3 | 13 |
| 84 | A Simulation Framework for Heterogeneous Agents. Computational Economics, 2003, 22, 285-301. | 2.6 | 12 |
| 85 | Computing a journal meta-ranking using paired comparisons and adaptive lasso estimators. Scientometrics, 2016, 106, 229-251. | 3.0 | 12 |
| 86 | Generalized Sparse Convolutional Neural Networks for Semantic Segmentation of Point Clouds Derived from Tri-Stereo Satellite Imagery. Remote Sensing, 2020, 12, 1289. | 4.0 | 12 |
| 87 | Prospects and challenges in R package development. Computational Statistics, 2011, 26, 395-404. | 1.5 | 9 |
| 88 | Visualizing Contingency Tables. , 2008, , 589-616. | | 9 |
| 89 | A ROBUST SUBSPACE ALGORITHM FOR PRINCIPAL COMPONENT ANALYSIS. International Journal of Neural Systems, 2003, 13, 307-313. | 5.2 | 8 |
| 90 | Additional support for linkage of schizophrenia and bipolar disorder to chromosome 3q29. European Neuropsychopharmacology, 2007, 17, 501-505. | 0.7 | 8 |

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| 91 | Tourette's syndrome is not associated with interleukin-10 receptor 1 variants on chromosome 11q23.3. Psychiatry Research, 2008, 157, 235-239. | 3.3 | 8 |
| 92 | Dissimilarity Plots: A Visual Exploration Tool for Partitional Clustering. Journal of Computational and Graphical Statistics, 2011, 20, 335-354. | 1.7 | 8 |
| 93 | The grand old party â€" a party of values?. SpringerPlus, 2014, 3, 697. | 1.2 | 8 |
| 94 | Generating random correlation matrices by the simple rejection method: Why it does not work. Statistics and Probability Letters, 2014, 87, 27-30. | 0.7 | 8 |
| 95 | Building on the Arules Infrastructure for Analyzing Transaction Data with R. Studies in Classification, Data Analysis, and Knowledge Organization, 2007, , 449-456. | 0.2 | 8 |
| 96 | A Kolmogorov-Smirnov Test for r Samples. Fundamenta Informaticae, 2012, 117, 103-125. | 0.4 | 7 |
| 97 | Model uncertainty and aggregated default probabilities: new evidence from Austria. Applied Economics, 2014, 46, 871-879. | 2.2 | 7 |
| 98 | A Mixed Ensemble Approach for the Semi-supervised Problem. Lecture Notes in Computer Science, 2002, , 571-576. | 1.3 | 7 |
| 99 | A**tm**Plug-In for Distributed Text Mining in*R*. Journal of Statistical Software, 2012, 51, . | 3.7 | 7 |
| 100 | **ROI**: An Extensible *R* Optimization Infrastructure. Journal of Statistical Software, 2020, 94, . | 3.7 | 7 |
| 101 | Adaptive combination of PCA and VQ networks. IEEE Transactions on Neural Networks, 1997, 8, 1208-1211. | 4.2 | 6 |
| 102 | R Version 2.1.0. Computational Statistics, 2005, 20, 197-202. | 1.5 | 6 |
| 103 | Influencing elections with statistics: Targeting voters with logistic regression trees. Annals of Applied Statistics, 2013, 7, . | 1.1 | 6 |
| 104 | Assessing and Quantifying Clusteredness: The OPTICS Cordillera. Journal of Computational and Graphical Statistics, 2018, 27, 220-233. | 1.7 | 6 |
| 105 | Cluster Ensembles. , 2005, , 65-72. | | 6 |
| 106 | Modelling human immunodeficiency virus ribonucleic acid levels with finite mixtures for censored longitudinal data. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 201-218. | 1.0 | 5 |
| 107 | Cluster Optimized Proximity Scaling. Journal of Computational and Graphical Statistics, 2021, 30, 1156-1167. | 1.7 | 5 |
| 108 | Watch Your Spelling!. R Journal, 2011, 3, 22. | 1.8 | 5 |

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| 109 | Study of Family History in Seasonal Affective Disorder. Neuropsychobiology, 2001, 44, 65-69. | 1.9 | 4 |
| 110 | Bookmaker consensus and agreement for the UEFA Champions League 2008/2009. IMA Journal of Management Mathematics, 2011, 22, 183-194. | 1.6 | 4 |
| 111 | Last Night a Shrinkage Saved My Life: Economic Growth, Model Uncertainty and Correlated Regressors. Journal of Forecasting, 2015, 34, 133-144. | 2.8 | 4 |
| 112 | Ensemble Methods for Cluster Analysis. , 2005, , 261-268. | | 4 |
| 113 | Hard and Soft Euclidean Consensus Partitions. Studies in Classification, Data Analysis, and Knowledge Organization, 2008, , 147-154. | 0.2 | 4 |
| 114 | Exact Nonparametric Inference in R. , 2002, , 355-360. | | 4 |
| 115 | Is Federer Stronger in a TournamentWithout Nadal? An Evaluation of Odds and Seedings for Wimbledon 2009. Austrian Journal of Statistics, 2016, 38, . | 0.6 | 4 |
| 116 | Correlation between vasopressin baseline and TSH-blunting in depressives. Biological Psychiatry, 1996, 39, 341-345. | 1.3 | 3 |
| 117 | On Two-Periodic Random Walks with Boundaries. Stochastic Models, 2010, 26, 165-194. | 0.5 | 3 |
| 118 | A comparison of optimization solvers for log binomial regression including conic programming. Computational Statistics, 2021, 36, 1721-1754. | 1.5 | 3 |
| 119 | Benchmarking Open-Source Tree Learners in R/RWeka. Studies in Classification, Data Analysis, and Knowledge Organization, 2008, , 389-396. | 0.2 | 3 |
| 120 | Validation of credit rating systems using multi-rater information. Journal of Credit Risk, 2007, 3, 3-29. | 0.2 | 3 |
| 121 | On the distribution of functionals of stationary Gaussian processes. Statistics and Probability Letters, 1993, 18, 389-395. | 0.7 | 2 |
| 122 | The influence of phenotype on the outcome of linkage analysis of schizophrenia. Schizophrenia Research, 1996, 22, 89-90. | 2.0 | 2 |
| 123 | StatDataML: An XML Format for Statistical Data. Computational Statistics, 2004, 19, 493-509. | 1.5 | 2 |
| 124 | Deriving consensus ratings of the big three rating agencies. Journal of Credit Risk, 2013, 9, 75-98. | 0.2 | 2 |
| 125 | Neural Networks: More Than â€˜Statistics for Amateursâ€™?. , 1994, , 223-235. | | 2 |
| 126 | Biperiden and Haloperidol Plasma Levels and Extrapyramidal Side Effects in Schizophrenic Patients. Neuropsychobiology, 1997, 36, 69-72. | 1.9 | 1 |

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| 127 | R: The Next Generation. , 2004, , 235-249. | | 1 |
| 128 | StatDataML: An XML Format for Statistical Data. , 2002, , 545-550. | | 1 |
| 129 | Who Did What? The Roles of R Package Authors and How to Refer to Them. R Journal, 2012, 4, 64. | 1.8 | 1 |
| 130 | Influencing Elections with Statistics: Targeting Voters with Logistic Regression Trees. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 131 | Is it all bafflegab? â€" Linguistic and meta characteristics of research articles in prestigious economics journals. Journal of Informetrics, 2022, 16, 101284. | 2.9 | 1 |
| 132 | P01.43 Dopamine transporter genotypes and imaging in tourette disorder. European Psychiatry, 2000, 15, 332s-332s. | 0.2 | 0 |
| 133 | 370. Dopamine transporter (DAT 1) genotypes and [123I]-Î²-CIT SPECT imaging of DAT in Tourette Disorder (TD). Biological Psychiatry, 2000, 47, S112. | 1.3 | 0 |
| 134 | P.6.089 Chromosome 3q29: Follow-up linkage analysis in schizophrenia and bipolar disorder. European Neuropsychopharmacology, 2003, 13, S463-S464. | 0.7 | 0 |
| 135 | R Version 2.0.0. Computational Statistics, 2004, 19, 661-664. | 1.5 | 0 |
| 136 | A GABRB3 promoter haplotype associated with childhood absence epilepsy impairs transcriptional activity. Human Molecular Genetics, 2006, 15, 3272-3272. | 2.9 | 0 |
| 137 | On standard conjugate families for natural exponential families with bounded natural parameter space. Journal of Multivariate Analysis, 2014, 126, 14-24. | 1.0 | 0 |
| 138 | Supervised and Unsupervised Learning in Linear Networks. , 1990, , 825-828. | | 0 |
| 139 | Dynamic modelling of corporate credit ratings and defaults. Statistical Modelling, 0, , 1471082X2110576. | 1.1 | 0 |