Christoph Bergmeir

List of Publications by Year
in descending order

37 papers	3,152 citations	393982 19 h-index	377514 34 g-index
39 all docs	39 docs citations	39 times ranked	2992 citing authors

#	Article	IF	Citations
1	On the use of cross-validation for time series predictor evaluation. Information Sciences, 2012, 191, 192-213.	4.0	558
2	Recurrent Neural Networks for Time Series Forecasting: Current status and future directions. International Journal of Forecasting, 2021, 37, 388-427.	3.9	435
3	A note on the validity of cross-validation for evaluating autoregressive time series prediction. Computational Statistics and Data Analysis, 2018, 120, 70-83.	0.7	329
4	Forecasting: theory and practice. International Journal of Forecasting, 2022, 38, 705-871.	3.9	256
5	Forecasting across time series databases using recurrent neural networks on groups of similar series: A clustering approach. Expert Systems With Applications, 2020, 140, 112896.	4.4	199
6	Neural Networks inRUsing the Stuttgart Neural Network Simulator:RSNNS. Journal of Statistical Software, 2012, 46, .	1.8	182
7	Bagging exponential smoothing methods using STL decomposition and Boxâ€“Cox transformation. International Journal of Forecasting, 2016, 32, 303-312.	3.9	181
8	Implementing algorithms of rough set theory and fuzzy rough set theory in the R package â€œRoughSetsâ€. Information Sciences, 2014, 287, 68-89.	4.0	129
9	Segmentation of cervical cell nuclei in high-resolution microscopic images: A new algorithm and a web-based software framework. Computer Methods and Programs in Biomedicine, 2012, 107, 497-512.	2.6	98
10	Exploring the sources of uncertainty: Why does bagging for time series forecasting work?. European Journal of Operational Research, 2018, 268, 545-554.	3.5	95
11	LSTM-MSNet: Leveraging Forecasts on Sets of Related Time Series With Multiple Seasonal Patterns. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1586-1599.	7.2	87
12	Characterising risk of in-hospital mortality following cardiac arrest using machine learning: A retrospective international registry study. PLoS Medicine, 2018, 15, e1002709.	3.9	85
13	Improving the accuracy of global forecasting models using time series data augmentation. Pattern Recognition, 2021, 120, 108148.	5.1	67
14	Sales Demand Forecast in E-commerce Using a Long Short-Term Memory Neural Network Methodology. Lecture Notes in Computer Science, 2019, , 462-474.	1.0	54
15	On the usefulness of cross-validation for directional forecast evaluation. Computational Statistics and Data Analysis, 2014, 76, 132-143.	0.7	52
16	MultiRocket: multiple pooling operators and transformations for fast and effective time series classification. Data Mining and Knowledge Discovery, 2022, 36, 1623-1646.	2.4	45
17	Time series extrinsic regression. Data Mining and Knowledge Discovery, 2021, 35, 1032-1060.	2.4	32
18	Machine Learning Algorithms for Predicting and Risk Profiling of Cardiac Surgery-Associated Acute Kidney Injury. Seminars in Thoracic and Cardiovascular Surgery, 2021, 33, 735-745.	0.4	27

#	Article	IF	Citations
19	On the stopping criteria for k -Nearest Neighbor in positive unlabeled time series classification problems. Information Sciences, 2016, 328, 42-59.	4.0	26
20	Comparing calibration approaches for 3D ultrasound probes. International Journal of Computer Assisted Radiology and Surgery, 2009, 4, 203-213.	1.7	21
21	Global models for time series forecasting: A Simulation study. Pattern Recognition, 2022, 124, 108441.	5.1	20
22	LoRMIkA: Local rule-based model interpretability with k-optimal associations. Information Sciences, 2020, 540, 221-241.	4.0	18
23	SQAPlanner: Generating Data-Informed Software Quality Improvement Plans. IEEE Transactions on Software Engineering, 2022, 48, 2814-2835.	4.3	18
24	Self-labeling techniques for semi-supervised time series classification: an empirical study. Knowledge and Information Systems, 2018, 55, 493-528.	2.1	17
25	Ensembles of localised models for time series forecasting. Knowledge-Based Systems, 2021, 233, 107518.	4.0	16
26	Designing a more efficient, effective and safe Medical Emergency Team (MET) service using data analysis. PLoS ONE, 2017, 12, e0188688.	1.1	15
27	Learning from data using the R package "FRBS". , 2014, , .		14
28	Toward Electronic Surveillance of Invasive Mold Diseases in Hematology-Oncology Patients: An Expert System Combining Natural Language Processing of Chest Computed Tomography Reports, Microbiology, and Antifungal Drug Data. JCO Clinical Cancer Informatics, 2017, 1, 1-10.	1.0	14
29	Time Series Modeling and Forecasting Using Memetic Algorithms for Regime-Switching Models. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1841-1847.	7.2	12
30	Closing the Gap in Surveillance and Audit of Invasive Mold Diseases for Antifungal Stewardship Using Machine Learning. Journal of Clinical Medicine, 2019, 8, 1390.	1.0	12
31	Forecaster performance evaluation with cross-validation and variants. , 2011, , .		6
32	Towards Accurate Predictions and Causal â€˜What-ifâ€™ Analyses for Planning and Policy-making: A Case Study in Emergency Medical Services Demand. , 2020, , .		6
33	Model selection in reconciling hierarchical time series. Machine Learning, 2022, 111, 739-789.	3.4	6
34	A Generative Deep Learning Framework Across Time Series to Optimize the Energy Consumption of Air Conditioning Systems. IEEE Access, 2022, 10, 6842-6855.	2.6	5
35	An accurate and fully-automated ensemble model for weekly time series forecasting. International Journal of Forecasting, 2023, 39, 641-658.	3.9	3
36	Causal Inference Using Global Forecasting Models for Counterfactual Prediction. Lecture Notes in Computer Science, 2021, , 282-294.	1.0	1

#	Article	IF	Citations
37	Optimization of Neuro-Coefficient Smooth Transition Autoregressive Models Using Differential Evolution. Lecture Notes in Computer Science, 2012, , 464-473.	1.0	0