

Francesco Bartolucci

List of Publications by Year in descending order

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Version: 2024-02-01

120
papers

1,885
citations

257450

24
h-index

377865

34
g-index

125
all docs

125
docs citations

125
times ranked

1435
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflections on Murray Aitkin's contributions to nonparametric mixture models and Bayes factors. <i>Statistical Modelling</i> , 2022, 22, 33-45.	1.1	0
2	A spatio-temporal model based on discrete latent variables for the analysis of COVID-19 incidence. <i>Spatial Statistics</i> , 2022, 49, 100504.	1.9	19
3	Discrete Latent Variable Models. <i>Annual Review of Statistics and Its Application</i> , 2022, 9, 425-452.	7.0	6
4	Exploring the dependencies among main cryptocurrency log-returns: A hidden Markov model. <i>Economic Notes</i> , 2022, 51, e12193.	0.4	5
5	Are attitudes toward immigration changing in Europe? An analysis based on latent class IRT models. <i>Advances in Data Analysis and Classification</i> , 2022, 16, 235-271.	1.4	3
6	A hidden Markov space-time model for mapping the dynamics of global access to food. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2022, 185, 246-266.	1.1	1
7	Male recognition bias in sex assignment based on visual stimuli. <i>Scientific Reports</i> , 2022, 12, 8156.	3.3	1
8	A multivariate statistical approach to predict COVID-19 count data with epidemiological interpretation and uncertainty quantification. <i>Statistics in Medicine</i> , 2021, 40, 5351-5372.	1.6	10
9	Modelling Nonstationary Spatial Lag Models with Hidden Markov Random Fields. <i>Spatial Statistics</i> , 2021, 44, 100522.	1.9	3
10	Conditional inference for binary panel data models with predetermined covariates. <i>Econometrics and Statistics</i> , 2021, , .	0.8	0
11	A bivariate finite mixture growth model with selection. <i>Advances in Data Analysis and Classification</i> , 2021, 15, 759-793.	1.4	1
12	Primary-school class composition and the development of social capital. <i>Socio-Economic Planning Sciences</i> , 2020, 72, 100874.	5.0	3
13	An exact algorithm for time-dependent variational inference for the dynamic stochastic block model. <i>Pattern Recognition Letters</i> , 2020, 138, 362-369.	4.2	7
14	Multilevel Model-Based Clustering: A New Proposal of Maximum-A-Posteriori Assignment. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2020, , 3-17.	0.2	1
15	Longitudinal Networks of Dyadic Relationships Using Latent Trajectories: Evidence from The European Interbank Market. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2020, 69, 711-739.	1.0	8
16	Comment on: The class of CUB models: statistical foundations, inferential issues and empirical evidence. <i>Statistical Methods and Applications</i> , 2019, 28, 437-439.	1.2	0
17	Validity of the 36-item Persian (Farsi) version of the world health organization disability assessment schedule (WHODAS) 2.0. <i>International Journal of Mental Health</i> , 2019, 48, 14-39.	1.3	6
18	A Latent Class Growth Model for Migrants' Remittances: An Application to the German Socio-Economic Panel. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2019, 182, 1607-1632.	1.1	4

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19	A shared parameter continuous-time hidden Markov and survival model for longitudinal data with informative dropout. <i>Statistics in Medicine</i> , 2019, 38, 1056-1073.	1.6	14
20	On the role of latent variable models in the era of big data. <i>Statistics and Probability Letters</i> , 2018, 136, 165-169.	0.7	7
21	Dealing with reciprocity in dynamic stochastic block models. <i>Computational Statistics and Data Analysis</i> , 2018, 123, 86-100.	1.2	12
22	GDP dynamics and unemployment changes in developed and developing countries. <i>Applied Economics</i> , 2018, 50, 3338-3356.	2.2	20
23	Testing for state dependence in binary panel data with individual covariates by a modified quadratic exponential model. <i>Econometric Reviews</i> , 2018, 37, 61-88.	1.1	6
24	A joint model for longitudinal and survival data based on an AR(1) latent process. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1285-1311.	1.5	6
25	Latent Ignorability and Item Selection for Nursing Home Case-Mix Evaluation. <i>Journal of Classification</i> , 2018, 35, 172-193.	2.2	7
26	Bedside sonography assessment of extravascular lung water increase after major pulmonary resection in non-small cell lung cancer patients. <i>Journal of Thoracic Disease</i> , 2018, 10, 4077-4084.	1.4	10
27	A multilevel latent Markov model for the evaluation of nursing homes' performance. <i>Biometrical Journal</i> , 2018, 60, 962-978.	1.0	8
28	Adaptive Quadrature for Maximum Likelihood Estimation of a Class of Dynamic Latent Variable Models. <i>Computational Economics</i> , 2017, 49, 599-622.	2.6	6
29	Composite Likelihood Inference in a Discrete Latent Variable Model for Two-Way "Clustering-by-Segmentation" Problems. <i>Journal of Computational and Graphical Statistics</i> , 2017, 26, 388-402.	1.7	2
30	Misspecification test for random effects in generalized linear finite-mixture models for clustered binary and ordered data. <i>Econometrics and Statistics</i> , 2017, 3, 112-131.	0.8	4
31	Evaluation of Student Performance through a Multidimensional Finite Mixture IRT Model. <i>Multivariate Behavioral Research</i> , 2017, 52, 732-746.	3.1	7
32	A Nonparametric Multidimensional Latent Class IRT Model in a Bayesian Framework. <i>Psychometrika</i> , 2017, 82, 952-978.	2.1	8
33	Editorial: Special section on latent variable models for longitudinal data. <i>Biometrical Journal</i> , 2017, 59, 781-782.	1.0	0
34	Job satisfaction and compensating wage differentials: Evidence from Russia. <i>CESifo Economic Studies</i> , 2017, . .	0.5	0
35	lcmm : An R and Stata Package for Conditional Maximum Likelihood Estimation of Dynamic Binary Panel Data Models. <i>Journal of Statistical Software</i> , 2017, 78, .	3.7	7
36	lme : An R Package for Latent Markov Models for Longitudinal Categorical Data. <i>Journal of Statistical Software</i> , 2017, 81, .	3.7	51

#	ARTICLE	IF	CITATIONS
37	Latent class: Rasch models and marginal extensions. , 2017, , 291-304.		0
38	Preterm Birth: Analysis of Longitudinal Data on Siblings Based on Random-Effects Logit Models. Frontiers in Public Health, 2016, 4, 278.	2.7	5
39	The effect of employment condition on perceived health status in Italy in the period 2009-2012. European Journal of Public Health, 2016, 26, .	0.3	0
40	Causal Latent Markov Model for the Comparison of Multiple Treatments in Observational Longitudinal Studies. Journal of Educational and Behavioral Statistics, 2016, 41, 146-179.	1.7	17
41	Item selection by latent class-based methods: an application to nursing home evaluation. Advances in Data Analysis and Classification, 2016, 10, 245-262.	1.4	5
42	Modified Profile Likelihood for Fixed-Effects Panel Data Models. Econometric Reviews, 2016, 35, 1271-1289.	1.1	20
43	Pairwise Likelihood Inference for Nested Hidden Markov Chain Models for Multilevel Longitudinal Data. Journal of the American Statistical Association, 2016, 111, 216-228.	3.1	12
44	A multilevel finite mixture item response model to cluster examinees and schools. Advances in Data Analysis and Classification, 2016, 10, 53-70.	1.4	20
45	Two-Tier Latent Class IRT Models in R. R Journal, 2016, 8, 139.	1.8	5
46	A Finite Mixture Latent Trajectory Model for Hirings and Separations in the Labor Market. , 2016, , 9-20.		0
47	Latent variable models for the analysis of socio-economic data. Metron, 2015, 73, 151-154.	1.2	1
48	Ranking scientific journals via latent class models for polytomous item response data. Journal of the Royal Statistical Society Series A: Statistics in Society, 2015, 178, 1025-1049.	1.1	7
49	A comparison between the g -index and the h -index based on concentration. Journal of the Association for Information Science and Technology, 2015, 66, 2708-2710.	2.9	8
50	A Multidimensional Finite Mixture Structural Equation Model for Nonignorable Missing Responses to Test Items. Structural Equation Modeling, 2015, 22, 352-365.	3.8	14
51	A finite mixture latent trajectory model for modeling ultrarunners' behavior in a 24-hour race. Journal of Quantitative Analysis in Sports, 2015, 11, .	1.0	11
52	Assessing User Satisfaction in the Era of User Experience: Comparison of the SUS, UMUX, and UMUX-LITE as a Function of Product Experience. International Journal of Human-Computer Interaction, 2015, 31, 484-495.	4.8	99
53	A Discrete Time Event-History Approach to Informative Drop-Out in Mixed Latent Markov Models with Covariates. Biometrics, 2015, 71, 80-89.	1.4	43
54	Three-step estimation of latent Markov models with covariates. Computational Statistics and Data Analysis, 2015, 83, 287-301.	1.2	21

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55	Information matrix for hidden Markov models with covariates. <i>Statistics and Computing</i> , 2015, 25, 515-526.	1.5	8
56	Testing for time-invariant unobserved heterogeneity in generalized linear models for panel data. <i>Journal of Econometrics</i> , 2015, 184, 111-123.	6.5	20
57	Differences in Birthweight Outcomes: A Longitudinal Study Based on Siblings. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 6472-6484.	2.6	19
58	Longitudinal Analysis of Self-Reported Health Status by Mixture Latent Auto-Regressive Models. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2014, 63, 267-288.	1.0	29
59	Employment status and perceived health condition: longitudinal data from Italy. <i>BMC Public Health</i> , 2014, 14, 946.	2.9	38
60	Comment on the paper "On the memory complexity of the forward-backward algorithm," by Khreich W., Granger E., Miri A., Sabourin, R.. <i>Pattern Recognition Letters</i> , 2014, 38, 15-19.	4.2	1
61	Mixtures of equispaced normal distributions and their use for testing symmetry with univariate data. <i>Computational Statistics and Data Analysis</i> , 2014, 71, 262-272.	1.2	3
62	A New Constant Memory Recursion for Hidden Markov Models. <i>Journal of Computational Biology</i> , 2014, 21, 99-117.	1.6	4
63	A Class of Multidimensional Latent Class IRT Models for Ordinal Polytomous Item Responses. <i>Communications in Statistics - Theory and Methods</i> , 2014, 43, 787-800.	1.0	36
64	Latent Markov models: a review of a general framework for the analysis of longitudinal data with covariates. <i>Test</i> , 2014, 23, 433-465.	1.1	56
65	Rejoinder on: Latent Markov models: a review of a general framework for the analysis of longitudinal data with covariates. <i>Test</i> , 2014, 23, 484-486.	1.1	2
66	MultiLCIRT: An R package for multidimensional latent class item response models. <i>Computational Statistics and Data Analysis</i> , 2014, 71, 971-985.	1.2	35
67	A generalized multiple-try version of the Reversible Jump algorithm. <i>Computational Statistics and Data Analysis</i> , 2014, 72, 298-314.	1.2	8
68	Modeling Longitudinal Data by Latent Markov Models with Application to Educational and Psychological Measurement. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2014, , 11-19.	0.2	2
69	Causal inference in paired two-arm experimental studies under noncompliance with application to prognosis of myocardial infarction. <i>Statistics in Medicine</i> , 2013, 32, 4348-4366.	1.6	3
70	Pseudo conditional maximum likelihood estimation of the dynamic logit model for binary panel data. <i>Journal of Econometrics</i> , 2012, 170, 102-116.	6.5	25
71	On a possible decomposition of the h-index. <i>Journal of the Association for Information Science and Technology</i> , 2012, 63, 2126-2127.	2.6	5
72	Dimensionality of the Latent Structure and Item Selection Via Latent Class Multidimensional IRT Models. <i>Psychometrika</i> , 2012, 77, 782-802.	2.1	13

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73	Modified Profile Likelihood for Panel Data Models. SSRN Electronic Journal, 2012, , .	0.4	3
74	Item Selection by an Extended Latent Class Model: An Application to Nursing Homes Evaluation. SSRN Electronic Journal, 2012, , .	0.4	1
75	Effects of individual and social factors on preterm birth and low birth weight: empirical evidence from regional data in Italy. International Journal of Public Health, 2012, 57, 261-268.	2.3	28
76	Bayesian inference through encompassing priors and importance sampling for a class of marginal models for categorical data. Computational Statistics and Data Analysis, 2012, 56, 4067-4080.	1.2	11
77	Modeling Partial Compliance Through Copulas in a Principal Stratification Framework. Journal of the American Statistical Association, 2011, 106, 469-479.	3.1	24
78	Assessment of School Performance Through a Multilevel Latent Markov Rasch Model. Journal of Educational and Behavioral Statistics, 2011, 36, 491-522.	1.7	36
79	Impact Evaluation of Job Training Programs by a Latent Variable Model. Studies in Classification, Data Analysis, and Knowledge Organization, 2011, , 65-73.	0.2	1
80	A Dynamic Model for Binary Panel Data With Unobserved Heterogeneity Admitting a $\hat{\sigma}$ -Consistent Conditional Estimator. Econometrica, 2010, 78, 719-733.	4.2	51
81	Multidimensional Latent Markov Models in a Developmental Study of Inhibitory Control and Attentional Flexibility in Early Childhood. Psychometrika, 2010, 75, 725-743.	2.1	11
82	On the conditional logistic estimator in two-arm experimental studies with non-compliance and before-after binary outcomes. Statistics in Medicine, 2010, 29, 1411-1429.	1.6	5
83	A note on the mixture transition distribution and hidden Markov models. Journal of Time Series Analysis, 2010, 31, 132-138.	1.2	20
84	Point Estimation Methods with Applications to Item Response Theory Models. , 2010, , 366-373.		3
85	Latent Markov model for longitudinal binary data: An application to the performance evaluation of nursing homes. Annals of Applied Statistics, 2009, 3, .	1.1	41
86	Pseudo Conditional Maximum Likelihood Estimation of the Dynamic Logit Model for Binary Panel Data. SSRN Electronic Journal, 2009, , .	0.4	1
87	A Multivariate Extension of the Dynamic Logit Model for Longitudinal Data Based on a Latent Markov Heterogeneity Structure. Journal of the American Statistical Association, 2009, 104, 816-831.	3.1	91
88	Focused Information Criterion for Capture-Recapture Models for Closed Populations. Scandinavian Journal of Statistics, 2008, 35, 629-649.	1.4	14
89	On the approximation of the quadratic exponential distribution in a latent variable context. Biometrika, 2007, 94, 745-754.	2.4	6
90	A penalized version of the empirical likelihood ratio for the population mean. Statistics and Probability Letters, 2007, 77, 104-110.	0.7	18

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91	Maximum likelihood estimation of an extended latent Markov model for clustered binary panel data. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 3470-3483.	1.2	5
92	A latent Markov model for detecting patterns of criminal activity. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 2007, 170, 115-132.	1.1	44
93	A Class of Latent Markov Models for Capture-Recapture Data Allowing for Time, Heterogeneity, and Behavior Effects. <i>Biometrics</i> , 2007, 63, 568-578.	1.4	22
94	A class of multidimensional IRT models for testing unidimensionality and clustering items. <i>Psychometrika</i> , 2007, 72, 141-157.	2.1	67
95	A Class of Latent Marginal Models for Capture-Recapture Data With Continuous Covariates. <i>Journal of the American Statistical Association</i> , 2006, 101, 786-794.	3.1	27
96	Likelihood inference for a class of latent Markov models under linear hypotheses on the transition probabilities. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2006, 68, 155-178.	2.2	46
97	A new class of unbiased estimators of the variance of the systematic sample mean. <i>Journal of Statistical Planning and Inference</i> , 2006, 136, 1512-1525.	0.6	13
98	Efficient Bayes factor estimation from the reversible jump output. <i>Biometrika</i> , 2006, 93, 41-52.	2.4	32
99	A Hierarchical Mixture Model for Gene Expression Data. , 2005, , 267-274.		1
100	The use of mixtures for dealing with non-normal regression errors. <i>Computational Statistics and Data Analysis</i> , 2005, 48, 821-834.	1.2	38
101	Clustering Univariate Observations via Mixtures of Unimodal Normal Mixtures. <i>Journal of Classification</i> , 2005, 22, 203-219.	2.2	8
102	Likelihood inference on the underlying structure of IRT models. <i>Psychometrika</i> , 2005, 70, 31-43.	2.1	18
103	Modelling quality of life variables with non-parametric mixtures. <i>Environmetrics</i> , 2004, 15, 519-528.	1.4	5
104	Testing for positive association in contingency tables with fixed margins. <i>Computational Statistics and Data Analysis</i> , 2004, 47, 195-210.	1.2	14
105	Answering Two Biological Questions with a Latent Class Model via MCMC Applied to Capture-Recapture Data. , 2004, , 7-23.		4
106	Likelihood-based inference for asymmetric stochastic volatility models. <i>Computational Statistics and Data Analysis</i> , 2003, 42, 445-449.	1.2	16
107	A recursive algorithm for Markov random fields. <i>Biometrika</i> , 2002, 89, 724-730.	2.4	29
108	Extended RC Association Models Allowing for Order Restrictions and Marginal Modeling. <i>Journal of the American Statistical Association</i> , 2002, 97, 1192-1199.	3.1	26

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109	Developments of the Markov chain approach within the distribution theory of runs. Computational Statistics and Data Analysis, 2001, 36, 107-118.	1.2	4
110	Maximum likelihood estimation of a latent variable time-series model. Applied Stochastic Models in Business and Industry, 2001, 17, 5-17.	1.5	16
111	Analysis of Capture-Recapture Data with a Rasch-Type Model Allowing for Conditional Dependence and Multidimensionality. Biometrics, 2001, 57, 714-719.	1.4	24
112	Positive Quadrant Dependence and Marginal Modeling in Two-Way Tables With Ordered Margins. Journal of the American Statistical Association, 2001, 96, 1497-1505.	3.1	38
113	A likelihood ratio test for MTP_2 within binary variables. Annals of Statistics, 2000, 28, .	2.6	26
114	On estimating the variance of the systematic sample mean. Journal of the Italian Statistical Society, 1998, 7, 185-196.	0.1	5
115	A Multidimensional Latent Class IRT Model for Non-Ignorable Missing Responses. SSRN Electronic Journal, 0, , .	0.4	1
116	Maximum Likelihood Estimation of an Extended Latent Markov Model for Clustered Binary Panel Data. SSRN Electronic Journal, 0, , .	0.4	0
117	A Causal Analysis of Mother's Education on Birth Inequalities. SSRN Electronic Journal, 0, , .	0.4	0
118	Modeling Longitudinal Data with Application to Educational and Psychological Measurement. SSRN Electronic Journal, 0, , .	0.4	0
119	Inverse-Probability-of-Treatment Weighting for Endogeneity Correction: A Hidden Markov Model for Assessing Effects of Multiple Direct Mail Campaigns. SSRN Electronic Journal, 0, , .	0.4	0
120	Recursive Computation of the Conditional Probability Function of the Quadratic Exponential Model for Binary Panel Data. Computational Economics, 0, , 1.	2.6	0