Antonio Punzo

List of Publications by Year
in descending order

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Version: 2024-02-01

78	1,520	361045 20	414034 32
papers	citations	h-index	g-index

82	82	82	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiple scaled symmetric distributions in allometric studies. International Journal of Biostatistics, 2022, 18, 219-242.	0.4	4
2	Mixtures of Matrix-Variate Contaminated Normal Distributions. Journal of Computational and Graphical Statistics, 2022, 31, 413-421.	0.9	13
3	Multivariate cluster weighted models using skewed distributions. Advances in Data Analysis and Classification, 2022, 16, 93-124.	0.9	7
4	Assessing Measurement Invariance for Longitudinal Data through Latent Markov Models. Structural Equation Modeling, 2022, 29, 381-393.	2.4	3
5	Dimension-wise scaled normal mixtures with application to finance and biometry. Journal of Multivariate Analysis, 2022, , 105020.	0.5	0
6	Parsimonious hidden Markov models for matrix-variate longitudinal data. Statistics and Computing, 2022, 32, .	0.8	6
7	Model-based clustering via skewed matrix-variate cluster-weighted models. Journal of Statistical Computation and Simulation, 2022, 92, 2645-2666.	0.7	7
8	The multivariate tail-inflated normal distribution and its application in finance. Journal of Statistical Computation and Simulation, 2021, 91, 1-36.	0.7	15
9	Modeling the cryptocurrency return distribution via Laplace scale mixtures. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125354.	1.2	12
10	Unconstrained representation of orthogonal matrices with application to common principal components. Computational Statistics, 2021, 36, 1177-1195.	0.8	10
11	Multivariate hidden Markov regression models: random covariates and heavy-tailed distributions. Statistical Papers, 2021, 62, 1519-1555.	0.7	7
12	Initialization of Hidden Markov and Semiâ€Markov Models: A Critical Evaluation of Several Strategies. International Statistical Review, 2021, 89, 447-480.	1.1	17
13	Matrix Normal Cluster-Weighted Models. Journal of Classification, 2021, 38, 556-575.	1.2	17
14	Mixtures of multivariate contaminated normal regression models. Statistical Papers, 2020, 61, 787-822.	0.7	30
15	Cluster Validation for Mixtures of Regressions via the Total Sum of Squares Decomposition. Journal of Classification, 2020, 37, 526-547.	1.2	12
16	A Random-covariate Approach for Distal Outcome Prediction with Latent Class Analysis. Structural Equation Modeling, 2020, 27, 351-368.	2.4	10
17	High-dimensional unsupervised classification via parsimonious contaminated mixtures. Pattern Recognition, 2020, 98, 107031.	5.1	11
18	Robust model-based clustering with mild and gross outliers. Test, 2020, 29, 989-1007.	0.7	22

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19	Dichotomous unimodal compound models: application to the distribution of insurance losses. Journal of Applied Statistics, 2020, 47, 2328-2353.	0.6	24
20	Two new matrix-variate distributions with application in model-based clustering. Computational Statistics and Data Analysis, 2020, 152, 107050.	0.7	20
21	Leptokurtic moment-parameterized elliptically contoured distributions with application to financial stock returns. Communications in Statistics - Theory and Methods, 2020, , 1-15.	0.6	1
22	Allometric analysis using the multivariate shifted exponential normal distribution. Biometrical Journal, 2020, 62, 1525-1543.	0.6	14
23	On the Use of the Sub-Gaussian $$alpha $$ Î± -Stable Distribution in the Cluster-Weighted Model. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 1059-1069.	0.7	7
24	Modelling the Loss Given Default Distribution via a Family of Zero-and-one Inflated Mixture Models. Journal of the Royal Statistical Society Series A: Statistics in Society, 2019, 182, 1247-1266.	0.6	16
25	Multiple scaled contaminated normal distribution and its application in clustering. Statistical Modelling, 2019, , 1471082X1989093.	0.5	12
26	Hidden Markov and Semi-Markov Models with Multivariate Leptokurtic-Normal Components for Robust Modeling of Daily Returns Series. Journal of Financial Econometrics, 2019, 17, 91-117.	0.8	16
27	Asymmetric clusters and outliers: Mixtures of multivariate contaminated shifted asymmetric Laplace distributions. Computational Statistics and Data Analysis, 2019, 132, 145-166.	0.7	23
28	A new look at the inverse Gaussian distribution with applications to insurance and economic data. Journal of Applied Statistics, 2019, 46, 1260-1287.	0.6	40
29	Modeling Return to Education in Heterogeneous Populations: An Application to Italy. Studies in Classification, Data Analysis, and Knowledge Organization, 2019, , 121-131.	0.1	1
30	Modeling Household Income with Contaminated Unimodal Distributions. Springer Proceedings in Mathematics and Statistics, 2019, , 373-391.	0.1	7
31	Multivariate generalized hidden Markov regression models with random covariates: Physical exercise in an elderly population. Statistics in Medicine, 2018, 37, 2797-2808.	0.8	12
32	Fitting insurance and economic data with outliers: a flexible approach based on finite mixtures of contaminated gamma distributions. Journal of Applied Statistics, 2018, 45, 2563-2584.	0.6	38
33	Testing for Serial Independence: Beyond the Portmanteau Approach. American Statistician, 2018, 72, 219-238.	0.9	2
34	Compound unimodal distributions for insurance losses. Insurance: Mathematics and Economics, 2018, 81, 95-107.	0.7	42
35	ContaminatedMixt: An R Package for Fitting Parsimonious Mixtures of Multivariate Contaminated Normal Distributions. Journal of Statistical Software, 2018, 85, .	1.8	29
36	flexCWM: A Flexible Framework for Cluster-Weighted Models. Journal of Statistical Software, 2018, 86, .	1.8	40

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37	Model-based time-varying clustering of multivariate longitudinal data with covariates and outliers. Computational Statistics and Data Analysis, 2017, 113, 475-496.	0.7	29
38	Multivariate Response and Parsimony for Gaussian Cluster-Weighted Models. Journal of Classification, 2017, 34, 4-34.	1.2	56
39	A diagram to detect serial dependencies: an application to transport time series. Quality and Quantity, 2017, 51, 581-594.	2.0	6
40	Robust Clustering in Regression Analysis via the Contaminated Gaussian Cluster-Weighted Model. Journal of Classification, 2017, 34, 249-293.	1.2	62
41	The multivariate leptokurticâ€normal distribution and its application in modelâ€based clustering. Canadian Journal of Statistics, 2017, 45, 95-119.	0.6	36
42	Dealing with omitted answers in a survey on social integration of immigrants in Italy. Mathematical Population Studies, 2017, 24, 84-102.	0.8	6
43	Parsimonious mixtures of multivariate contaminated normal distributions. Biometrical Journal, 2016, 58, 1506-1537.	0.6	71
44	The Kullbackâ€“Leibler autodependogram. Journal of Applied Statistics, 2016, 43, 2574-2594.	0.6	2
45	Multilevel cluster-weighted models for the evaluation of hospitals. Metron, 2016, 74, 275-292.	0.6	13
46	Decision boundaries for mixtures of regressions. Journal of the Korean Statistical Society, 2016, 45, 295-306.	0.3	21
47	Clustering Multivariate Longitudinal Observations: The Contaminated Gaussian Hidden Markov Model. Journal of Computational and Graphical Statistics, 2016, 25, 1097-1098.	0.9	32
48	Hypothesis Testing for Mixture Model Selection. Journal of Statistical Computation and Simulation, 2016, 86, 2797-2818.	0.7	21
49	A time-dependent extension of the projected normal regression model for longitudinal circular data based on a hidden Markov heterogeneity structure. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1725-1740.	1.9	17
50	Clustering bivariate mixed-type data via the cluster-weighted model. Computational Statistics, 2016, 31, 989-1013.	0.8	28
51	Bivariate discrete beta Kernel graduation of mortality data. Lifetime Data Analysis, 2015, 21, 419-433.	0.4	5
52	Cluster-weighted $$t$$ t -factor analyzers for robust model-based clustering and dimension reduction. Statistical Methods and Applications, 2015, 24, 623-649.	0.7	43
53	On the Upward Bias of the Dissimilarity Index and Its Corrections. Sociological Methods and Research, 2015, 44, 80-107.	4.3	13
54	The Generalized Linear Mixed Cluster-Weighted Model. Journal of Classification, 2015, 32, 85-113.	1.2	64

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55	Parsimonious Generalized Linear Gaussian Cluster-Weighted Models. Studies in Classification, Data Analysis, and Knowledge Organization, 2015, , 201-209.	0.1	15
56	SDD: AnRPackage for Serial Dependence Diagrams. Journal of Statistical Software, 2015, 64, .	1.8	7
57	Detecting serial dependencies with the reproducibility probability autodependogram. AStA Advances in Statistical Analysis, 2014, 98, 35-61.	0.4	9
58	On the Spectral Decomposition in Normal Discriminant Analysis. Communications in Statistics Part B: Simulation and Computation, 2014, 43, 1471-1489.	0.6	10
59	Refusal to Answer Specific Questions in a Survey: A Case Study. Communications in Statistics - Theory and Methods, 2014, 43, 826-838.	0.6	2
60	Flexible mixture modelling with the polynomial Gaussian cluster-weighted model. Statistical Modelling, 2014, 14, 257-291.	0.5	34
61	Model-based clustering via linear cluster-weighted models. Computational Statistics and Data Analysis, 2014, 71, 159-182.	0.7	72
62	Testing Serial Independence via Density-Based Measures of Divergence. Methodology and Computing in Applied Probability, 2014, 16, 627-641.	0.7	11
63	DBKGrad: AnRPackage for Mortality Rates Graduation by Discrete Beta Kernel Techniques. Journal of Statistical Software, 2014, 57, .	1.8	11
64	KernSmoothIRT: AnRPackage for Kernel Smoothing in Item Response Theory. Journal of Statistical Software, 2014, 58, .	1.8	29
65	Finite mixtures of unimodal beta and gamma densities and the $$k$$ -bumps algorithm. Computational Statistics, 2013, 28, 1571-1597.	0.8	56
66	Clustering and classification via cluster-weighted factor analyzers. Advances in Data Analysis and Classification, 2013, 7, 5-40.	0.9	48
67	Closed Likelihood Ratio Testing Procedures to Assess Similarity of Covariance Matrices. American Statistician, 2013, 67, 117-128.	0.9	20
68	Using the Variation Coefficient for Adaptive Discrete Beta Kernel Graduation. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 225-232.	0.1	5
69	Graduation by Adaptive Discrete Beta Kernels. Studies in Classification, Data Analysis, and Knowledge Organization, 2013, , 243-250.	0.1	7
70	Discrete approximations of continuous and mixed measures on a compact interval. Statistical Papers, 2012, 53, 563-575.	0.7	20
71	The autodependogram: a graphical device to investigate serial dependences. Journal of Time Series Analysis, 2012, 33, 233-254.	0.7	15
72	Checking Serial Independence of Residuals from a Nonlinear Model. Studies in Classification, Data Analysis, and Knowledge Organization, 2012, , 203-211.	0.1	7

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73	Assessing the pattern of covariance matrices via an augmentation multiple testing procedure. Statistical Methods and Applications, 2011, 20, 141-170.	0.7	16
74	Discrete Beta Kernel Graduation of Age-Specific Demographic Indicators. Studies in Classification, Data Analysis, and Knowledge Organization, 2011, , 127-134.	0.1	7
75	Discrete Beta-Type Models. Studies in Classification, Data Analysis, and Knowledge Organization, 2010, , 253-261.	0.1	11
76	Considerations on the Impact of Ill-Conditioned Configurations in the CML Approach. Studies in Classification, Data Analysis, and Knowledge Organization, 2009, , 563-572.	0.1	0
77	Spatial attraction in migrants' settlement patterns in the city of Catania. Demographic Research, 0, 35, 117-138.	2.0	18
78	Model-based clustering via new parsimonious mixtures of heavy-tailed distributions. AStA Advances in Statistical Analysis, 0, , 1.	0.4	6