

Alfonso Gordaliza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2558889/publications.pdf>

Version: 2024-02-01

45
papers

1,447
citations

516710

16
h-index

315739

38
g-index

46
all docs

46
docs citations

46
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Trimmed k -means: an attempt to robustify quantizers. <i>Annals of Statistics</i> , 1997, 25, 553.	2.6	193
2	A general trimming approach to robust cluster Analysis. <i>Annals of Statistics</i> , 2008, 36, .	2.6	178
3	A review of robust clustering methods. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 89-109.	1.4	161
4	Robustness Properties of k -Means and Trimmed k -Means. <i>Journal of the American Statistical Association</i> , 1999, 94, 956-969.	3.1	92
5	A Proposal for Robust Curve Clustering. <i>Journal of Classification</i> , 2005, 22, 185-201.	2.2	88
6	Robustness Properties of k Means and Trimmed k Means. <i>Journal of the American Statistical Association</i> , 1999, 94, 956.	3.1	83
7	Exploring the number of groups in robust model-based clustering. <i>Statistics and Computing</i> , 2011, 21, 585-599.	1.5	77
8	A bellboy robot: Study of the effects of robot behaviour on user engagement and comfort. <i>International Journal of Human Computer Studies</i> , 2015, 82, 83-95.	5.6	74
9	Robust clusterwise linear regression through trimming. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 3057-3069.	1.2	58
10	Best approximations to random variables based on trimming procedures. <i>Journal of Approximation Theory</i> , 1991, 64, 162-180.	0.8	51
11	Trimming Tools in Exploratory Data Analysis. <i>Journal of Computational and Graphical Statistics</i> , 2003, 12, 434-449.	1.7	51
12	Avoiding spurious local maximizers in mixture modeling. <i>Statistics and Computing</i> , 2015, 25, 619-633.	1.5	45
13	Robust linear clustering. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2009, 71, 301-318.	2.2	41
14	Multivariate L-estimation. <i>Test</i> , 1999, 8, 255-317.	1.1	38
15	A central limit theorem for multivariate generalized trimmed k -means. <i>Annals of Statistics</i> , 1999, 27, 1061.	2.6	23
16	A constrained robust proposal for mixture modeling avoiding spurious solutions. <i>Advances in Data Analysis and Classification</i> , 2014, 8, 27-43.	1.4	20
17	Robust estimation of mixtures of regressions with random covariates, via trimming and constraints. <i>Statistics and Computing</i> , 2017, 27, 377-402.	1.5	19
18	On the breakdown point of multivariate location estimators based on trimming procedures. <i>Statistics and Probability Letters</i> , 1991, 11, 387-394.	0.7	17

#	ARTICLE	IF	CITATIONS
19	The joint role of trimming and constraints in robust estimation for mixtures of Gaussian factor analyzers. <i>Computational Statistics and Data Analysis</i> , 2016, 99, 131-147.	1.2	16
20	Generalized Radius Processes for Elliptically Contoured Distributions. <i>Journal of the American Statistical Association</i> , 2005, 100, 1036-1045.	3.1	15
21	On the breakdown behavior of the TCLUS T clustering procedure. <i>Test</i> , 2013, 22, 466-487.	1.1	14
22	Eigenvalues and constraints in mixture modeling: geometric and computational issues. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 203-233.	1.4	14
23	The importance of the scales in heterogeneous robust clustering. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 4403-4412.	1.2	10
24	The influence function of the TCLUS T robust clustering procedure. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 107-130.	1.4	10
25	Biological activity of melatonin and some analogous: geometrical and electrical requirements. <i>Computational and Theoretical Chemistry</i> , 2001, 537, 271-281.	1.5	9
26	Calculation of optical rotation from molecular structure: comparative study of MM2, MM3 and AM1 methods. <i>Journal of Molecular Structure</i> , 2000, 522, 219-231.	3.6	6
27	Geometric road design factors affecting the risk of urban run-off crashes. A case-control study. <i>PLoS ONE</i> , 2020, 15, e0234564.	2.5	6
28	Empirical relationship between structure and molecular optical rotation in tetrahydropyran derivatives. <i>Journal of Molecular Structure</i> , 1998, 442, 135-143.	3.6	5
29	Trimmed best k-nets: A robustified version of an L_1 -based clustering method. <i>Statistics and Probability Letters</i> , 1998, 36, 401-413.	0.7	5
30	Asymptotics for trimmed k-means and associated tolerance zones. <i>Journal of Statistical Planning and Inference</i> , 1999, 77, 247-262.	0.6	5
31	Influence on the user's emotional state of the graphic complexity level in virtual therapies based on a robot-assisted neuro-rehabilitation platform. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 190, 105359.	4.7	5
32	On the Asymptotics of Trimmed Best k-Nets. <i>Journal of Multivariate Analysis</i> , 2002, 82, 486-516.	1.0	4
33	Empirical relationship between structure and molecular optical rotation in polyhydroxycyclohexanes. <i>Journal of Molecular Structure</i> , 1998, 447, 127-133.	3.6	3
34	A Robust Maximal F-Ratio Statistic to Detect Clusters Structure. <i>Communications in Statistics - Theory and Methods</i> , 2009, 38, 682-694.	1.0	3
35	Detection of Geometric Risk Factors Affecting Head-On Collisions through Multiple Logistic Regression: Improving Two-Way Rural Road Design via 2+1 Road Adaptation. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6598.	2.6	3
36	Empirical relationship between structure and molecular optical rotation in six-membered cyclic compounds. <i>Journal of Molecular Structure</i> , 2000, 526, 1-15.	3.6	2

#	ARTICLE	IF	CITATIONS
37	Comments on: Multivariate functional outlier detection. <i>Statistical Methods and Applications</i> , 2015, 24, 233-235.	1.2	1
38	Comments on "The power of monitoring: how to make the most of a contaminated multivariate sample". <i>Statistical Methods and Applications</i> , 2018, 27, 605-608.	1.2	1
39	Robust principal component analysis based on trimming around affine subspaces. <i>Statistica Sinica</i> , 2018, , .	0.3	1
40	Validating theoretical hypothesis on access times and repair times statistical distributions for electric power distribution network. , 0, , .		0
41	On the geometric behaviour of multidimensional location measures. <i>Journal of Statistical Planning and Inference</i> , 1998, 67, 191-208.	0.6	0
42	Discussion: The forward search: Theory and data analysis. <i>Journal of the Korean Statistical Society</i> , 2010, 39, 135-136.	0.4	0
43	Comments on: model-based clustering and classification with non-normal mixture distributions. <i>Statistical Methods and Applications</i> , 2013, 22, 459-461.	1.2	0
44	Grouping Around Different Dimensional Affine Subspaces. <i>Studies in Classification, Data Analysis, and Knowledge Organization</i> , 2013, , 131-139.	0.2	0
45	TRIMMED k -MEANS AND THE CAUCHY MEAN-VALUE PROPERTY. , 1995, , 247-266.		0