Matias Salibian-Barrera

List of Publications by Year
in descending order

42 papers	919 citations	687363 13 h-index	501196 28 g-index
52 all docs	52 docs citations	52 times ranked	605 citing authors

#	Article	IF	Citations
1	Robust boosting for regression problems. Computational Statistics and Data Analysis, 2021, 153, 107065.	1.2	10
2	Robust functional principal components for sparse longitudinal data. Metron, 2021, 79, 159-188.	1.2	8
3	RBF: An R package to compute a robust backfitting estimator for additive models. Journal of Open Source Software, 2021, 6, 2992.	4.6	0
4	Robust estimation for semi-functional linear regression models. Computational Statistics and Data Analysis, 2020, 152, 107041.	1.2	8
5	Modelling ocean temperatures from bio-probes under preferential sampling. Annals of Applied Statistics, 2019, 13, .	1.1	4
6	Location and Scale. Wiley Series in Probability and Statistics, 2019, , 17-50.	0.0	0
7	Asymptotic Theory of M-estimators. Wiley Series in Probability and Statistics, 2019, , 373-399.	0.0	0
8	Description of Datasets. Wiley Series in Probability and Statistics, 2019, , 401-406.	0.0	0
9	Measuring Robustness. Wiley Series in Probability and Statistics, 2019, , 51-86.	0.0	0
10	Linear Regression 1. Wiley Series in Probability and Statistics, 2019, , 87-114.	0.0	1
11	Linear Regression 2. Wiley Series in Probability and Statistics, 2019, , 115-193.	0.0	0
12	Methods for preferential sampling in geostatistics. Journal of the Royal Statistical Society Series C: Applied Statistics, 2019, 68, 181-198.	1.0	6
13	Robust elastic net estimators for variable selection and identification of proteomic biomarkers. Annals of Applied Statistics, 2019, 13, .	1.1	14
14	Using artificial censoring to improve extreme tail quantile estimates. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 791-812.	1.0	2
15	Robust estimators for additive models using backfitting. Journal of Nonparametric Statistics, 2017, 29, 744-767.	0.9	8
16	Modulation recognition in the 868 MHz band using classification trees and random forests. AEU - International Journal of Electronics and Communications, 2016, 70, 1321-1328.	2.9	8
17	Robust tests for linear regression models based on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si118.gif" display="inline" overflow="scroll"><mml:mi>Ï„</mml:mi></mml:math>-estimates. Computational Statistics and Data Analysis, 2016, 93, 436-455.	1.2	15
18	RSKC: An<i>R</i>Package for a Robust and Sparse K-Means Clustering Algorithm. Journal of Statistical Software, 2016, 72, .	3.7	40

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19	<i>S</i>-Estimators for Functional Principal Component Analysis. Journal of the American Statistical Association, 2015, 110, 1100-1111.	3.1	28
20	A characterization of elliptical distributions and some optimality properties of principal components for functional data. Journal of Multivariate Analysis, 2014, 131, 254-264.	1.0	20
21	Qualitative Robustness of Bootstrap Approximations for Kernel Based Methods. , 2013, , 263-278.		2
22	An Outlier-Robust Fit for Generalized Additive Models With Applications to Disease Outbreak Detection. Journal of the American Statistical Association, 2011, 106, 719-731.	3.1	33
23	Uniform asymptotics for S- and MM-regression estimators. Annals of the Institute of Statistical Mathematics, 2010, 62, 897-927.	0.8	8
24	Finding approximate solutions to combinatorial problems with very large data sets using BIRCH. Computational Statistics and Data Analysis, 2010, 54, 655-667.	1.2	7
25	Globally robust confidence intervals for simple linear regression. Computational Statistics and Data Analysis, 2010, 54, 2899-2913.	1.2	8
26	S-Estimation for Penalized Regression Splines. Journal of Computational and Graphical Statistics, 2010, 19, 609-625.	1.7	21
27	Robust Model Selection with LARS Based on S-estimators. , 2010, , 69-78.		2
28	Fast and robust bootstrap. Statistical Methods and Applications, 2008, 17, 41-71.	1.2	67
29	Robust model selection using fast and robust bootstrap. Computational Statistics and Data Analysis, 2008, 52, 5121-5135.	1.2	35
30	The Fast-Ï„ Estimator for Regression. Journal of Computational and Graphical Statistics, 2008, 17, 659-682.	1.7	38
31	High breakdown point robust regression with censored data. Annals of Statistics, 2008, 36, .	2.6	8
32	On tests for multivariate normality and associated simulation studies. Journal of Statistical Computation and Simulation, 2007, 77, 1065-1080.	1.2	50
33	A Fast Algorithm for S-Regression Estimates. Journal of Computational and Graphical Statistics, 2006, 15, 414-427.	1.7	164
34	Principal Components Analysis Based on Multivariate MM Estimators With Fast and Robust Bootstrap. Journal of the American Statistical Association, 2006, 101, 1198-1211.	3.1	116
35	The Asymptotics of MM-Estimators for Linear Regression with Fixed Designs. Metrika, 2006, 63, 283-294.	0.8	12
36	Bootstrapping MM-estimators for linear regression with fixed designs. Statistics and Probability Letters, 2006, 76, 1287-1297.	0.7	13

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37	Estimating the p-values of robust tests for the linear model. Journal of Statistical Planning and Inference, 2005, 128, 241-257.	0.6	12
38	A Probabilistic Method for Detecting Multivariate Extreme Outliers. International Journal of Nonlinear Sciences and Numerical Simulation, 2004, 5, .	1.0	0
39	Globally robust inference for the location and simple linear regression models. Journal of Statistical Planning and Inference, 2004, 119, 353-375.	0.6	10
40	Uniform asymptotics for robust location estimates when the scale is unknown. Annals of Statistics, 2004, 32, 1434.	2.6	12
41	Bootrapping robust estimates of regression. Annals of Statistics, 2002, 30, 556.	2.6	126
42	S-Estimation for Penalized Regression Splines. SSRN Electronic Journal, 0, , .	0.4	1