Victor H Lachos

List of Publications by Year
in descending order

114 papers	1,837 citations	279487 23 h-index	344852 36 g-index
115 all docs	115 docs citations	115 times ranked	899 citing authors

#	Article	IF	Citations
1	Finite mixture modeling of censored and missing data using the multivariate skew-normal distribution. Advances in Data Analysis and Classification, 2022, 16, 521-557.	0.9	7
2	On Moments of Folded and Doubly Truncated Multivariate Extended Skew-Normal Distributions. Journal of Computational and Graphical Statistics, 2022, 31, 455-465.	0.9	9
3	Moments of the doubly truncated selection elliptical distributions with emphasis on the unified multivariate skew-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1469" altimg="si259.svg"><mml:mi>t</mml:mi></mml:math> distribution. Journal of Multivariate Analysis, 2022, 189, 104944.	0.5	8
4	The skew-t censored regression model: parameter estimation via an EM-type algorithm. Communications for Statistical Applications and Methods, 2022, 29, 333-351.	0.1	1
5	Finite Mixture of Censored Linear Mixed Models for Irregularly Observed Longitudinal Data. Journal of Classification, 2022, 39, 463-486.	1.2	1
6	Likelihoodâ€based inference for spatiotemporal data with censored and missing responses. Environmetrics, 2021, 32, e2663.	0.6	1
7	Comparisons of zeroâ€augmented continuous regression models from a Bayesian perspective. Statistics in Medicine, 2021, 40, 1073-1100.	0.8	3
8	A robust nonlinear mixed-effects model for COVID-19 death data. Statistics and Its Interface, 2021, 14, 49-57.	0.2	3
9	On moments of folded and truncated multivariate Student-t distributions based on recurrence relations. Metrika, 2021, 84, 825-850.	0.5	11
10	Spatial skewâ€normal/independent models for nonrandomly missing clustered data. Statistics in Medicine, 2021, 40, 3085-3105.	0.8	0
11	Approximate Inferences for Nonlinear Mixed Effects Models with Scale Mixtures of Skew-Normal Distributions. Journal of Statistical Theory and Practice, 2021, 15, 1.	0.3	8
12	A skewâ€t quantile regression for censored and missing data. Stat, 2021, 10, e379.	0.3	4
13	Heckman selection-t model: Parameter estimation via the EM-algorithm. Journal of Multivariate Analysis, 2021, 184, 104737.	0.5	4
14	2021 International Statistical Institute Mahalanobis Award: A Tribute to Heleno Bolfarine. International Statistical Review, 2021, 89, 435-446.	1.1	0
15	Estimation and diagnostics for partially linear censored regression models based on heavy-tailed distributions. Statistics and Its Interface, 2021, 14, 165-182.	0.2	5
16	Scale mixture of skewâ€normal linear mixed models with withinâ€subject serial dependence. Statistics in Medicine, 2021, 40, 1790-1810.	0.8	7
17	A semiparametric mixed-effects model for censored longitudinal data. Statistical Methods in Medical Research, 2021, 30, 2582-2603.	0.7	5
18	Mixed-effects models for censored data with autoregressive errors. Journal of Biopharmaceutical Statistics, 2021, 31, 273-294.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Quantile regression for nonlinear mixed effects models: a likelihood based perspective. Statistical Papers, 2020, 61, 1281-1307.	0.7	12
20	An extended poisson family of life distribution: a unified approach in competitive and complementary risks. Journal of Applied Statistics, 2020, 47, 306-322.	0.6	6
21	Inference and diagnostics for heteroscedastic nonlinear regression models under skew scale mixtures of normal distributions. Journal of Applied Statistics, 2020, 47, 1690-1719.	0.6	5
22	Linear mixed models based on skew scale mixtures of normal distributions. Communications in Statistics Part B: Simulation and Computation, 2020, , 1-21.	0.6	4
23	Logistic Quantile Regression for Bounded Outcomes Using a Family of Heavy-Tailed Distributions. Sankhya B, 2020, , 1.	0.4	8
24	Robust Bayesian model selection for heavy-tailed linear regression using finite mixtures. Brazilian Journal of Probability and Statistics, 2020, 34, .	0.1	2
25	Moments of truncated scale mixtures of skew-normal distributions. Brazilian Journal of Probability and Statistics, 2020, 34, .	0.1	7
26	Finite mixture of regression models for censored data based on scale mixtures of normal distributions. Advances in Data Analysis and Classification, 2019, 13, 89-116.	0.9	20
27	Heavy-tailed longitudinal regression models for censored data: a robust parametric approach. Test, 2019, 28, 844-878.	0.7	8
28	Model-based clustering of censored data via mixtures of factor analyzers. Computational Statistics and Data Analysis, 2019, 140, 104-121.	0.7	16
29	Flexible longitudinal linear mixed models for multiple censored responses data. Statistics in Medicine, 2019, 38, 1074-1102.	0.8	11
30	Flexible regression modeling for censored data based on mixtures of student-t distributions. Computational Statistics, 2019, 34, 123-152.	0.8	6
31	Bayesian semiparametric modeling for HIV longitudinal data with censoring and skewness. Statistical Methods in Medical Research, 2019, 28, 1457-1476.	0.7	7
32	Extending multivariate-t linear mixed models for multiple longitudinal data with censored responses and heavy tails. Statistical Methods in Medical Research, 2018, 27, 48-64.	0.7	38
33	Likelihood-based inference for censored linear regression models with scale mixtures of skew-normal distributions. Journal of Applied Statistics, 2018, 45, 2039-2066.	0.6	15
34	Geostatistical estimation and prediction for censored responses. Spatial Statistics, 2018, 23, 109-123.	0.9	6
35	Scale Mixtures of Skew-Normal Distributions. SpringerBriefs in Statistics, 2018, , 15-36.	0.3	1
36	Finite Mixture of Skewed Distributions. SpringerBriefs in Statistics, 2018, , .	0.3	5

#	ARTICLE	IF	CITATIONS
37	Univariate Mixture Modeling Using SMSN Distributions. SpringerBriefs in Statistics, 2018, , 37-56.	0.3	0
38	Multivariate measurement error models based on Student-t distribution under censored responses. Statistics, 2018, 52, 1395-1416.	0.3	4
39	Multidimensional multiple group IRT models with skew normal latent trait distributions. Journal of Multivariate Analysis, 2018, 167, 250-268.	0.5	3
40	Influence diagnostics for censored regression models with autoregressive errors. Australian and New Zealand Journal of Statistics, 2018, 60, 209-229.	0.4	1
41	Multivariate longitudinal data analysis with censored and intermittent missing responses. Statistics in Medicine, 2018, 37, 2822-2835.	0.8	25
42	Mixture Regression Modeling Based on SMSN Distributions. SpringerBriefs in Statistics, 2018, , 77-93.	0.3	0
43	Augmented mixed models for clustered proportion data. Statistical Methods in Medical Research, 2017, 26, 880-897.	0.7	11
44	Censored linear regression models for irregularly observed longitudinal data using the multivariate-t distribution. Statistical Methods in Medical Research, 2017, 26, 542-566.	0.7	14
45	Linear censored regression models with scale mixtures of normal distributions. Statistical Papers, 2017, 58, 247-278.	0.7	31
46	Scale mixtures log-Birnbaumâ€“Saunders regression models with censored data: a Bayesian approach. Journal of Statistical Computation and Simulation, 2017, 87, 2002-2022.	0.7	3
47	Finite mixture modeling of censored data using the multivariate Student-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml114" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>t</mml:mi></mml:math> distribution. Journal of Multivariate Analysis, 2017, 159, 151-167.	0.5	20
48	Robust quantile regression using a generalized class of skewed distributions. Stat, 2017, 6, 113-130.	0.3	15
49	Censored regression models with autoregressive errors: A likelihoodâ€based perspective. Canadian Journal of Statistics, 2017, 45, 375-392.	0.6	8
50	Influence diagnostics in spatial models with censored response. Environmetrics, 2017, 28, e2464.	0.6	5
51	Quantile regression in linear mixed models: a stochastic approximation EM approach. Statistics and Its Interface, 2017, 10, 471-482.	0.2	30
52	Heavy tailed calibration model with Berkson measurement errors for replicated data. Chemometrics and Intelligent Laboratory Systems, 2016, 156, 21-35.	1.8	4
53	Nonlinear regression models under skew scale mixtures of normal distributions. Statistical Methodology, 2016, 33, 131-146.	0.5	7
54	Likelihood-based inference for multivariate skew scale mixtures of normal distributions. AStA Advances in Statistical Analysis, 2016, 100, 421-441.	0.4	15

#	ARTICLE	IF	CITATIONS
55	Censored mixed-effects models for irregularly observed repeated measures with applications to HIV viral loads. Test, 2016, 25, 627-653.	0.7	14
56	Robust mixture regression modeling based on scale mixtures of skew-normal distributions. Test, 2016, 25, 375-396.	0.7	36
57	Nonlinear censored regression models with heavy-tailed distributions. Statistics and Its Interface, 2016, 9, 281-293.	0.2	8
58	A mixedâ€effect model for positive responses augmented by zeros. Statistics in Medicine, 2015, 34, 1761-1778.	0.8	12
59	Quantile regression for censored mixed-effects models with applications to HIV studies. Statistics and Its Interface, 2015, 8, 203-215.	0.2	9
60	Bayesian analysis of censored linear regression models with scale mixtures of normal distributions. Journal of Applied Statistics, 2015, 42, 2694-2714.	0.6	19
61	Robust Joint Non-linear Mixed-Effects Models and Diagnostics for Censored HIV Viral Loads with CD4 Measurement Error. Journal of Agricultural, Biological, and Environmental Statistics, 2015, 20, 121-139.	0.7	9
62	Bayesian estimation and case influence diagnostics for the zero-inflated negative binomial regression model. Journal of Applied Statistics, 2015, 42, 1148-1165.	0.6	11
63	Influence diagnostics for Student-tcensored linear regression models. Statistics, 2015, 49, 1074-1094.	0.3	26
64	Likelihood-based inference for Tobit confirmatory factor analysis using the multivariate Student-t distribution. Statistics and Computing, 2015, 25, 1163-1183.	0.8	10
65	Influence assessment in censored mixed-effects models using the multivariate Studentâ€™s-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si125.gif" display="inline" overflow="scroll"><mml:mi>t</mml:mi></mml:math> distribution. Journal of Multivariate Analysis, 2015, 141, 104-117.	0.5	7
66	Bayesian Estimation of a Skew-Student-t Stochastic Volatility Model. Methodology and Computing in Applied Probability, 2015, 17, 721-738.	0.7	30
67	Inference and diagnostics in skew scale mixtures of normal regression models. Journal of Statistical Computation and Simulation, 2015, 85, 517-537.	0.7	14
68	Augmented mixed beta regression models for periodontal proportion data. Statistics in Medicine, 2014, 33, 3759-3771.	0.8	38
69	Statistical diagnostics for nonlinear regression models based on scale mixtures of skew-normal distributions. Journal of Statistical Computation and Simulation, 2014, 84, 1761-1778.	0.7	12
70	Influence diagnostics for Grubbsâ€™s model with asymmetric heavy-tailed distributions. Statistical Papers, 2014, 55, 671-690.	0.7	8
71	Generalized linear mixed models for correlated binary data with t-link. Statistics and Computing, 2014, 24, 1111-1123.	0.8	6
72	Multivariate measurement error models using finite mixtures of skew-Student <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si56.gif" display="inline" overflow="scroll"><mml:mi>t</mml:mi></mml:math> distributions. Journal of Multivariate Analysis, 2014, 124, 179-198.	0.5	18

#	ARTICLE	IF	CITATIONS
73	Partially linear censored regression models using heavy-tailed distributions: A Bayesian approach. Statistical Methodology, 2014, 18, 14-31.	0.5	8
74	Bayesian inference in nonlinear mixed-effects models using normal independent distributions. Computational Statistics and Data Analysis, 2013, 64, 237-252.	0.7	28
75	Statistical analysis of controlled calibration model with replicates. Journal of Statistical Computation and Simulation, 2013, 83, 941-961.	0.7	4
76	Bayesian modeling of autoregressive partial linear models with scale mixture of normal errors. Journal of Applied Statistics, 2013, 40, 1796-1816.	0.6	7
77	Influence diagnostics in linear and nonlinear mixed-effects models with censored data. Computational Statistics and Data Analysis, 2013, 57, 450-464.	0.7	22
78	mixsmsn: Fitting Finite Mixture of Scale Mixture of Skew-Normal Distributions. Journal of Statistical Software, 2013, 54, .	1.8	105
79	Likelihood Based Inference Mixed-Effects Models with Censored Responses Using the Multivariate-t Distribution. Statistica Sinica, 2013, , .	0.2	9
80	Bayesian modeling of censored partial linear models using scale-mixtures of normal distributions. , 2012, , .		0
81	Partially linear models with autoregressive scale-mixtures of normal errors: A Bayesian approach. AIP Conference Proceedings, 2012, , .	0.3	0
82	Stochastic volatility in mean models with heavy-tailed distributions. Brazilian Journal of Probability and Statistics, 2012, 26, .	0.1	7
83	A non-iterative sampling Bayesian method for linear mixed models with normal independent distributions. Journal of Applied Statistics, 2012, 39, 531-549.	0.6	7
84	A Bayesian approach to term structure modeling using heavyâ€tailed distributions. Applied Stochastic Models in Business and Industry, 2012, 28, 430-447.	0.9	1
85	Skewâ€normal/independent linear mixed models for censored responses with applications to HIV viral loads. Biometrical Journal, 2012, 54, 405-425.	0.6	34
86	On diagnostics in multivariate measurement error models under asymmetric heavy-tailed distributions. Statistical Papers, 2012, 53, 665-683.	0.7	4
87	Multivariate mixture modeling using skew-normal independent distributions. Computational Statistics and Data Analysis, 2012, 56, 126-142.	0.7	113
88	Bayesian analysis of skew-normal independent linear mixed models with heterogeneity in the random-effects population. Journal of Statistical Planning and Inference, 2012, 142, 181-200.	0.4	22
89	Estimation and diagnostics for heteroscedastic nonlinear regression models based on scale mixtures of skew-normal distributions. Journal of Statistical Planning and Inference, 2012, 142, 2149-2165.	0.4	22
90	Local influence analysis for regression models with scale mixtures of skew-normal distributions. Journal of Applied Statistics, 2011, 38, 343-368.	0.6	26

#	Article	IF	Citations
91	Linear and Nonlinear Mixed-Effects Models for Censored HIV Viral Loads Using Normal/Independent Distributions. Biometrics, 2011, 67, 1594-1604.	0.8	56
92	On estimation and local influence analysis for measurement errors models under heavy-tailed distributions. Statistical Papers, 2011, 52, 567-590.	0.7	26
93	Bayesian nonlinear regression models with scale mixtures of skew-normal distributions: Estimation and case influence diagnostics. Computational Statistics and Data Analysis, 2011, 55, 588-602.	0.7	44
94	On estimation and influence diagnostics for zero-inflated negative binomial regression models. Computational Statistics and Data Analysis, 2011, 55, 1304-1318.	0.7	87
95	Nonlinear regression models based on scale mixtures of skew-normal distributions. Journal of the Korean Statistical Society, 2011, 40, 115-124.	0.3	19
96	Heteroscedastic nonlinear regression models based on scale mixtures of skew-normal distributions. Statistics and Probability Letters, 2011, 81, 1208-1217.	0.4	19
97	Skew scale mixtures of normal distributions: Properties and estimation. Statistical Methodology, 2011, 8, 154-171.	0.5	53
98	Bayesian analysis of skew-t multivariate null intercept measurement error model. Statistical Papers, 2010, 51, 531-545.	0.7	4
99	A nonlinear regression model with skew-normal errors. Statistical Papers, 2010, 51, 547-558.	0.7	50
100	Inference for a skew extension of the Grubbs model. Statistical Papers, 2010, 51, 701-715.	0.7	7
101	Robust mixture modeling based on scale mixtures of skew-normal distributions. Computational Statistics and Data Analysis, 2010, 54, 2926-2941.	0.7	109
102	Influence analyses of skew-normal/independent linear mixed models. Computational Statistics and Data Analysis, 2010, 54, 1266-1280.	0.7	15
103	Linear mixed models for skewâ€normal/independent bivariate responses with an application to periodontal disease. Statistics in Medicine, 2010, 29, 2643-2655.	0.8	27
104	Multivariate measurement error models based on scale mixtures of the skewâ€“normal distribution. Statistics, 2010, 44, 541-556.	0.3	33
105	Robust linear mixed models with skew-normal independent distributions from a Bayesian perspective. Journal of Statistical Planning and Inference, 2009, 139, 4098-4110.	0.4	40
106	A robust multivariate measurement error model with skew-normal/independent distributions and Bayesian MCMC implementation. Statistical Methodology, 2009, 6, 527-541.	0.5	6
107	Local Influence Analysis for Skew-Normal Linear Mixed Models. Communications in Statistics - Theory and Methods, 2009, 38, 484-496.	0.6	16
108	Influence Diagnostics for a Skew Extension of the Grubbs Measurement Error Model. Communications in Statistics Part B: Simulation and Computation, 2009, 38, 667-681.	0.6	4

#	ARTICLE	IF	CITATIONS
109	Likelihood-Based Inference for Multivariate Skew-Normal Regression Models. Communications in Statistics - Theory and Methods, 2007, 36, 1769-1786.	0.6	49
110	Influence diagnostics for the Grubbs's model. Statistical Papers, 2007, 48, 419-436.	0.7	13
111	A finite mixture mixed proportion regression model for classification problems in longitudinal voting data. Journal of Applied Statistics, 0, , 1-18.	0.6	0
112	An EM algorithm for estimating the parameters of the multivariate skew-normal distribution with censored responses. Metron, 0, , 1.	0.6	1
113	Fast inference for robust nonlinear mixed-effects models. Journal of Applied Statistics, 0, , 1-24.	0.6	0
114	Extending multivariate Student'sâ€t$$ t $$ semiparametric mixed models for longitudinal data with censored responses and heavy tails. Statistics in Medicine, 0, , .	0.8	3