

# Victor H Lachos

## List of Publications by Year in descending order

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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	Multivariate mixture modeling using skew-normal independent distributions. Computational Statistics and Data Analysis, 2012, 56, 126-142.	0.7	113
2	Robust mixture modeling based on scale mixtures of skew-normal distributions. Computational Statistics and Data Analysis, 2010, 54, 2926-2941.	0.7	109
3	mixsmsn: Fitting Finite Mixture of Scale Mixture of Skew-Normal Distributions. Journal of Statistical Software, 2013, 54, .	1.8	105
4	On estimation and influence diagnostics for zero-inflated negative binomial regression models. Computational Statistics and Data Analysis, 2011, 55, 1304-1318.	0.7	87
5	Linear and Nonlinear Mixed-Effects Models for Censored HIV Viral Loads Using Normal/Independent Distributions. Biometrics, 2011, 67, 1594-1604.	0.8	56
6	Skew scale mixtures of normal distributions: Properties and estimation. Statistical Methodology, 2011, 8, 154-171.	0.5	53
7	A nonlinear regression model with skew-normal errors. Statistical Papers, 2010, 51, 547-558.	0.7	50
8	Likelihood-Based Inference for Multivariate Skew-Normal Regression Models. Communications in Statistics - Theory and Methods, 2007, 36, 1769-1786.	0.6	49
9	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
10	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
11	Augmented mixed beta regression models for periodontal proportion data. Statistics in Medicine, 2014, 33, 3759-3771.	0.8	38
12	Extending multivariate-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
13	Robust mixture regression modeling based on scale mixtures of skew-normal distributions. Test, 2016, 25, 375-396.	0.7	36
14	Skew-normal/independent linear mixed models for censored responses with applications to HIV viral loads. Biometrical Journal, 2012, 54, 405-425.	0.6	34
15	Multivariate measurement error models based on scale mixtures of the skew-normal distribution. Statistics, 2010, 44, 541-556.	0.3	33
16	Linear censored regression models with scale mixtures of normal distributions. Statistical Papers, 2017, 58, 247-278.	0.7	31
17	Bayesian Estimation of a Skew-Student-t Stochastic Volatility Model. Methodology and Computing in Applied Probability, 2015, 17, 721-738.	0.7	30
18	Quantile regression in linear mixed models: a stochastic approximation EM approach. Statistics and Its Interface, 2017, 10, 471-482.	0.2	30

#	ARTICLE	IF	CITATIONS
19	Bayesian inference in nonlinear mixed-effects models using normal independent distributions. Computational Statistics and Data Analysis, 2013, 64, 237-252.	0.7	28
20	Linear mixed models for skew-normal/independent bivariate responses with an application to periodontal disease. Statistics in Medicine, 2010, 29, 2643-2655.	0.8	27
21	Local influence analysis for regression models with scale mixtures of skew-normal distributions. Journal of Applied Statistics, 2011, 38, 343-368.	0.6	26
22	On estimation and local influence analysis for measurement errors models under heavy-tailed distributions. Statistical Papers, 2011, 52, 567-590.	0.7	26
23	Influence diagnostics for Student-t censored linear regression models. Statistics, 2015, 49, 1074-1094.	0.3	26
24	Multivariate longitudinal data analysis with censored and intermittent missing responses. Statistics in Medicine, 2018, 37, 2822-2835.	0.8	25
25	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
26	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
27	Influence diagnostics in linear and nonlinear mixed-effects models with censored data. Computational Statistics and Data Analysis, 2013, 57, 450-464.	0.7	22
28	Finite mixture modeling of censored data using the multivariate Student-t distribution. Journal of Multivariate Analysis, 2017, 159, 151-167.	0.5	20
29	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
30	Nonlinear regression models based on scale mixtures of skew-normal distributions. Journal of the Korean Statistical Society, 2011, 40, 115-124.	0.3	19
31	Heteroscedastic nonlinear regression models based on scale mixtures of skew-normal distributions. Statistics and Probability Letters, 2011, 81, 1208-1217.	0.4	19
32	Bayesian analysis of censored linear regression models with scale mixtures of normal distributions. Journal of Applied Statistics, 2015, 42, 2694-2714.	0.6	19
33	Multivariate measurement error models using finite mixtures of skew-Student-t distributions. Journal of Multivariate Analysis, 2014, 124, 179-198.	0.5	18
34	Local Influence Analysis for Skew-Normal Linear Mixed Models. Communications in Statistics - Theory and Methods, 2009, 38, 484-496.	0.6	16
35	Model-based clustering of censored data via mixtures of factor analyzers. Computational Statistics and Data Analysis, 2019, 140, 104-121.	0.7	16
36	Influence analyses of skew-normal/independent linear mixed models. Computational Statistics and Data Analysis, 2010, 54, 1266-1280.	0.7	15

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37	Likelihood-based inference for multivariate skew scale mixtures of normal distributions. <i>AStA Advances in Statistical Analysis</i> , 2016, 100, 421-441.	0.4	15
38	Robust quantile regression using a generalized class of skewed distributions. <i>Stat</i> , 2017, 6, 113-130.	0.3	15
39	Likelihood-based inference for censored linear regression models with scale mixtures of skew-normal distributions. <i>Journal of Applied Statistics</i> , 2018, 45, 2039-2066.	0.6	15
40	Inference and diagnostics in skew scale mixtures of normal regression models. <i>Journal of Statistical Computation and Simulation</i> , 2015, 85, 517-537.	0.7	14
41	Censored mixed-effects models for irregularly observed repeated measures with applications to HIV viral loads. <i>Test</i> , 2016, 25, 627-653.	0.7	14
42	Censored linear regression models for irregularly observed longitudinal data using the multivariate- $t$ distribution. <i>Statistical Methods in Medical Research</i> , 2017, 26, 542-566.	0.7	14
43	Influence diagnostics for the Grubbs's model. <i>Statistical Papers</i> , 2007, 48, 419-436.	0.7	13
44	Statistical diagnostics for nonlinear regression models based on scale mixtures of skew-normal distributions. <i>Journal of Statistical Computation and Simulation</i> , 2014, 84, 1761-1778.	0.7	12
45	A mixed-effect model for positive responses augmented by zeros. <i>Statistics in Medicine</i> , 2015, 34, 1761-1778.	0.8	12
46	Quantile regression for nonlinear mixed effects models: a likelihood based perspective. <i>Statistical Papers</i> , 2020, 61, 1281-1307.	0.7	12
47	Bayesian estimation and case influence diagnostics for the zero-inflated negative binomial regression model. <i>Journal of Applied Statistics</i> , 2015, 42, 1148-1165.	0.6	11
48	Augmented mixed models for clustered proportion data. <i>Statistical Methods in Medical Research</i> , 2017, 26, 880-897.	0.7	11
49	Flexible longitudinal linear mixed models for multiple censored responses data. <i>Statistics in Medicine</i> , 2019, 38, 1074-1102.	0.8	11
50	On moments of folded and truncated multivariate Student- $t$ distributions based on recurrence relations. <i>Metrika</i> , 2021, 84, 825-850.	0.5	11
51	Likelihood-based inference for Tobit confirmatory factor analysis using the multivariate Student- $t$ distribution. <i>Statistics and Computing</i> , 2015, 25, 1163-1183.	0.8	10
52	Quantile regression for censored mixed-effects models with applications to HIV studies. <i>Statistics and Its Interface</i> , 2015, 8, 203-215.	0.2	9
53	Robust Joint Non-linear Mixed-Effects Models and Diagnostics for Censored HIV Viral Loads with CD4 Measurement Error. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 121-139.	0.7	9
54	Likelihood Based Inference Mixed-Effects Models with Censored Responses Using the Multivariate- $t$ Distribution. <i>Statistica Sinica</i> , 2013, , .	0.2	9

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55	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
56	Influence diagnostics for Grubbs's model with asymmetric heavy-tailed distributions. Statistical Papers, 2014, 55, 671-690.	0.7	8
57	Partially linear censored regression models using heavy-tailed distributions: A Bayesian approach. Statistical Methodology, 2014, 18, 14-31.	0.5	8
58	Censored regression models with autoregressive errors: A likelihood-based perspective. Canadian Journal of Statistics, 2017, 45, 375-392.	0.6	8
59	Heavy-tailed longitudinal regression models for censored data: a robust parametric approach. Test, 2019, 28, 844-878.	0.7	8
60	Logistic Quantile Regression for Bounded Outcomes Using a Family of Heavy-Tailed Distributions. Sankhya B, 2020, , 1.	0.4	8
61	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
62	Nonlinear censored regression models with heavy-tailed distributions. Statistics and Its Interface, 2016, 9, 281-293.	0.2	8
63	Moments of the doubly truncated selection elliptical distributions with emphasis on the unified multivariate skew- $t$ distribution. Journal of Multivariate Analysis, 2022, 189, 104944.	0.5	8
64	Inference for a skew extension of the Grubbs model. Statistical Papers, 2010, 51, 701-715.	0.7	7
65	Stochastic volatility in mean models with heavy-tailed distributions. Brazilian Journal of Probability and Statistics, 2012, 26, .	0.1	7
66	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
67	Bayesian modeling of autoregressive partial linear models with scale mixture of normal errors. Journal of Applied Statistics, 2013, 40, 1796-1816.	0.6	7
68	Influence assessment in censored mixed-effects models using the multivariate Student- $t$ distribution. Journal of Multivariate Analysis, 2015, 141, 104-117.	0.5	7
69	Nonlinear regression models under skew scale mixtures of normal distributions. Statistical Methodology, 2016, 33, 131-146.	0.5	7
70	Bayesian semiparametric modeling for HIV longitudinal data with censoring and skewness. Statistical Methods in Medical Research, 2019, 28, 1457-1476.	0.7	7
71	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
72	Scale mixture of skew-normal linear mixed models with within-subject serial dependence. Statistics in Medicine, 2021, 40, 1790-1810.	0.8	7

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73	Moments of truncated scale mixtures of skew-normal distributions. <i>Brazilian Journal of Probability and Statistics</i> , 2020, 34, .	0.1	7
74	A robust multivariate measurement error model with skew-normal/independent distributions and Bayesian MCMC implementation. <i>Statistical Methodology</i> , 2009, 6, 527-541.	0.5	6
75	Generalized linear mixed models for correlated binary data with t-link. <i>Statistics and Computing</i> , 2014, 24, 1111-1123.	0.8	6
76	Geostatistical estimation and prediction for censored responses. <i>Spatial Statistics</i> , 2018, 23, 109-123.	0.9	6
77	Flexible regression modeling for censored data based on mixtures of student-t distributions. <i>Computational Statistics</i> , 2019, 34, 123-152.	0.8	6
78	An extended poisson family of life distribution: a unified approach in competitive and complementary risks. <i>Journal of Applied Statistics</i> , 2020, 47, 306-322.	0.6	6
79	Influence diagnostics in spatial models with censored response. <i>Environmetrics</i> , 2017, 28, e2464.	0.6	5
80	Finite Mixture of Skewed Distributions. <i>SpringerBriefs in Statistics</i> , 2018, , .	0.3	5
81	Inference and diagnostics for heteroscedastic nonlinear regression models under skew scale mixtures of normal distributions. <i>Journal of Applied Statistics</i> , 2020, 47, 1690-1719.	0.6	5
82	Estimation and diagnostics for partially linear censored regression models based on heavy-tailed distributions. <i>Statistics and Its Interface</i> , 2021, 14, 165-182.	0.2	5
83	A semiparametric mixed-effects model for censored longitudinal data. <i>Statistical Methods in Medical Research</i> , 2021, 30, 2582-2603.	0.7	5
84	Influence Diagnostics for a Skew Extension of the Grubbs Measurement Error Model. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2009, 38, 667-681.	0.6	4
85	Bayesian analysis of skew-t multivariate null intercept measurement error model. <i>Statistical Papers</i> , 2010, 51, 531-545.	0.7	4
86	On diagnostics in multivariate measurement error models under asymmetric heavy-tailed distributions. <i>Statistical Papers</i> , 2012, 53, 665-683.	0.7	4
87	Statistical analysis of controlled calibration model with replicates. <i>Journal of Statistical Computation and Simulation</i> , 2013, 83, 941-961.	0.7	4
88	Heavy tailed calibration model with Berkson measurement errors for replicated data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 156, 21-35.	1.8	4
89	Multivariate measurement error models based on Student-t distribution under censored responses. <i>Statistics</i> , 2018, 52, 1395-1416.	0.3	4
90	Linear mixed models based on skew scale mixtures of normal distributions. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2020, , 1-21.	0.6	4

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91	A skew- $t$ quantile regression for censored and missing data. <i>Stat</i> , 2021, 10, e379.	0.3	4
92	Heckman selection- $t$ model: Parameter estimation via the EM-algorithm. <i>Journal of Multivariate Analysis</i> , 2021, 184, 104737.	0.5	4
93	Scale mixtures log-Birnbaum-Saunders regression models with censored data: a Bayesian approach. <i>Journal of Statistical Computation and Simulation</i> , 2017, 87, 2002-2022.	0.7	3
94	Multidimensional multiple group IRT models with skew normal latent trait distributions. <i>Journal of Multivariate Analysis</i> , 2018, 167, 250-268.	0.5	3
95	Comparisons of zero-augmented continuous regression models from a Bayesian perspective. <i>Statistics in Medicine</i> , 2021, 40, 1073-1100.	0.8	3
96	A robust nonlinear mixed-effects model for COVID-19 death data. <i>Statistics and Its Interface</i> , 2021, 14, 49-57.	0.2	3
97	Extending multivariate Student's $t$ semiparametric mixed models for longitudinal data with censored responses and heavy tails. <i>Statistics in Medicine</i> , 0, , .	0.8	3
98	Robust Bayesian model selection for heavy-tailed linear regression using finite mixtures. <i>Brazilian Journal of Probability and Statistics</i> , 2020, 34, .	0.1	2
99	A Bayesian approach to term structure modeling using heavy-tailed distributions. <i>Applied Stochastic Models in Business and Industry</i> , 2012, 28, 430-447.	0.9	1
100	Scale Mixtures of Skew-Normal Distributions. <i>SpringerBriefs in Statistics</i> , 2018, , 15-36.	0.3	1
101	Influence diagnostics for censored regression models with autoregressive errors. <i>Australian and New Zealand Journal of Statistics</i> , 2018, 60, 209-229.	0.4	1
102	Likelihood-based inference for spatiotemporal data with censored and missing responses. <i>Environmetrics</i> , 2021, 32, e2663.	0.6	1
103	An EM algorithm for estimating the parameters of the multivariate skew-normal distribution with censored responses. <i>Metron</i> , 0, , 1.	0.6	1
104	The skew- $t$ censored regression model: parameter estimation via an EM-type algorithm. <i>Communications for Statistical Applications and Methods</i> , 2022, 29, 333-351.	0.1	1
105	Finite Mixture of Censored Linear Mixed Models for Irregularly Observed Longitudinal Data. <i>Journal of Classification</i> , 2022, 39, 463-486.	1.2	1
106	Bayesian modeling of censored partial linear models using scale-mixtures of normal distributions. , 2012, , .		0
107	Partially linear models with autoregressive scale-mixtures of normal errors: A Bayesian approach. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	0
108	Univariate Mixture Modeling Using SMSN Distributions. <i>SpringerBriefs in Statistics</i> , 2018, , 37-56.	0.3	0

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109	Spatial skew-normal/independent models for nonrandomly missing clustered data. <i>Statistics in Medicine</i> , 2021, 40, 3085-3105.	0.8	0
110	2021 International Statistical Institute Mahalanobis Award: A Tribute to Heleno Bolfarine. <i>International Statistical Review</i> , 2021, 89, 435-446.	1.1	0
111	Mixture Regression Modeling Based on SMSN Distributions. <i>SpringerBriefs in Statistics</i> , 2018, , 77-93.	0.3	0
112	Mixed-effects models for censored data with autoregressive errors. <i>Journal of Biopharmaceutical Statistics</i> , 2021, 31, 273-294.	0.4	0
113	A finite mixture mixed proportion regression model for classification problems in longitudinal voting data. <i>Journal of Applied Statistics</i> , 0, , 1-18.	0.6	0
114	Fast inference for robust nonlinear mixed-effects models. <i>Journal of Applied Statistics</i> , 0, , 1-24.	0.6	0