CHILEAN JOURNAL OF STATISTICS

Edited by Víctor Leiva and Carolina Marchant

A free open-access journal indexed by

Volume 12 Number 2
December 2021
ISSN: 0718-7912 (print)
ISSN: 0718-7920 (online)

Published by the
Chilean Statistical Society
SOCHE
SOCIEDAD CHILENA DE ESTADÍSTICA

Aims

The Chilean Journal of Statistics (ChJS) is an official publication of the Chilean Statistical Society (`www.soche.cl`). The ChJS takes the place of *Revista de la Sociedad Chilena de Estadística*, which was published from 1984 to 2000.

The ChJS covers a broad range of topics in statistics, as well as in artificial intelligence, big data, data science, and machine learning, focused mainly on research articles. However, review, survey, and teaching papers, as well as material for statistical discussion, could be also published exceptionally. Each paper published in the ChJS must consider, in addition to its theoretical and/or methodological novelty, simulations for validating its novel theoretical and/or methodological proposal, as well as an illustration/application with real data.

The ChJS editorial board plans to publish one volume per year, with two issues in each volume. On some occasions, certain events or topics may be published in one or more special issues prepared by a guest editor.

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Chilean Journal of Statistics

Volume 12, Number 2
December 2021

ISSN: 0718-7912 (print)/ISSN 0718-7920 (online)
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http://www.soche.cl/chjs

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Twelfth Volume – Second Number
Editorial Paper

Chilean Journal of Statistics: An open-access, indexed, and free forum for statistical publications from worldwide

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The second issue of the twelfth volume of the Chilean Journal of Statistics (ChJS) was published on 31 December 2021. The ChJS has more than a decade of life in its current version published in English and almost four decades from its origins. We have published four issues in times of trial due to the COVID-19 pandemic, which has been very relevant for statistics because its use has permitted different governments to establish regulations stopping its spread.

The scientific and editorial production of this volume would not have been achieved without the valuable contributions of many people. We are pleased to inform the international community that outstanding researchers have honored us by publishing their interesting work in our journal. We also thank all the anonymous reviewers who have contributed to maintaining ChJS' high-quality standards. Furthermore, we feel obliged and pleased to thank our prestigious editorial board listed in blue`http://soche.cl/chjs/board.html`. Of course, we must also thank the President and the Board of Directors of the Chilean Statistics Society (listed in blue`https://soche.cl/quienes-somos`) and the entire Chilean statistical community for placing on us, the Editors-In-Chief of the ChJS, their confidence in our work.

The second issue of the twelfth volume of the ChJS comprises six articles as follows:

(i) Our first paper is based on some properties of the bimodal normal distribution and its bivariate version, which was authored by Roberto Vila, Helton Saulo, and Jamer Roldan from Brazil and Peru.

(ii) In the second paper, nonparametric relative error regression for functional time series data under random censorship was proposed by Omar Fetitah, Mohammed K. Attouch, Salah Khardani, and Ali Righi from Algeria and Tunisia.

(iii) The third paper is authored by Esra Polat from Turkey and it is based on a robust Hotelling control chart using adaptive reweighted minimum covariance determinant estimator.

(iv) Based on a Lomax regression model with varying precision, Moizés da S. Melo, Laís H. Loose, and Jhonnata B. de Carvalho, from Brazil, formulated the model, estimated its parameters, proposed model diagnostics, and applied their results to real-world data.

(v) The fifth paper is authored by Magaly S. Moraga, Germán Ibacache-Pulgar, and Orietta Nicolis, from Chile and Italy, which proposes an elliptical thin-plate spline partially varying-coefficient model and its numerical application.

(vi) In the sixth paper, Bernardo B. de Andrade, Raul Y. Matsushita, Pushpa N. Rathie, Luan Ozelim, and Sandro B. de Oliveira, from Brazil, postulated a weighted Poisson distribution and its associated regression model.

ISSN: 0718-7912 (print)/ISSN 0718-7920 (online)
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As the Chilean Statistics Society, we are proud because we continue to provide, by means of the ChJS, an open-access forum, publishing high-quality works free of any article processing charges (APC). In addition, we are indexed to the Elsevier Scopus and Clarivate ISI WoS systems. We are very motivated because, during 2021, we received 68 submissions from different countries.

Finally, we would like the international statistical and data-science communities, our editorial board, and our collaborators to champion the ChJS as a twelve-year, international, free of charges, and open-access forum, with fair and high-quality reviews. We encourage the international scientific community to submit their works to the ChJS.

Víctor Leiva and Carolina Marchant
Editors-in-Chief
Chilean Journal of Statistics
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Information for authors

The editorial board of the Chilean Journal of Statistics (ChJS) is seeking papers, which will be refereed. We encourage the authors to submit a PDF electronic version of the manuscript in a free format to the Editors-in-Chief of the ChJS (E-mail: `chilean.journal.of.statistics@gmail.com`). Submitted manuscripts must be written in English and contain the name and affiliation of each author followed by a leading abstract and keywords. The authors must include a"cover letter" presenting their manuscript and mentioning: "We confirm that this manuscript has been read and approved by all named authors. In addition, we declare that the manuscript is original and it is not being published or submitted for publication elsewhere".

Preparation of accepted manuscripts

Manuscripts accepted in the ChJS must be prepared in Latex using the ChJS format. The Latex template and ChJS class files for preparation of accepted manuscripts are available at `http://soche.cl/chjs/files/ChJS.zip`. Such as its submitted version, manuscripts accepted in the ChJS must be written in English and contain the name and affiliation of each author, followed by a leading abstract and keywords, but now mathematics subject classification (primary and secondary) are required. AMS classification is available at `http://www.ams.org/mathscinet/msc/`. Sections must be numbered 1, 2, etc., where Section 1 is the introduction part. References must be collected at the end of the manuscript in alphabetical order as in the following examples:

Arellano-Valle, R., 1994. Elliptical Distributions: Properties, Inference and Applications in Regression Models. Unpublished Ph.D. Thesis. Department of Statistics, University of São Paulo, Brazil.

Cook, R.D., 1997. Local influence. In Kotz, S., Read, C.B., and Banks, D.L. (Eds.), Encyclopedia of Statistical Sciences, Vol. 1., Wiley, New York, pp. 380-385.

Rukhin, A.L., 2009. Identities for negative moments of quadratic forms in normal variables. Statistics and Probability Letters, 79, 1004-1007.

Stein, M.L., 1999. Statistical Interpolation of Spatial Data: Some Theory for Kriging. Springer, New York.

Tsay, R.S., Peña, D., and Pankratz, A.E., 2000. Outliers in multivariate time series. Biometrika, 87, 789-804.

References in the text must be given by the author's name and year of publication, e.g., Gelfand and Smith (1990). In the case of more than two authors, the citation must be written as Tsay et al. (2000).

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