Martín **Venegas M.**

SOCIOLOGIST

Faculty of Social Sciences, University of Chile

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Summary

Sociologist from the University of Chile and holder of a Graduate Diploma in Statistics from the Pontifical Catholic University of Chile, with experience in applied statistics, survey design, and data processing and analysis. I have worked in official statistical production and applied research, developing reproducible analytical solutions in R, Quarto, and collaborative environments with version control. I am particularly interested in the use of data to understand social phenomena and support public decision-making, with a sustained commitment to methodological rigor and knowledge accessibility.

Work Experience

PROFESSIONAL

National Institute of Statistics (INE) — *Santiago, Chile*
SOCIOECONOMIC ANALYST – NATIONAL TIME USE SURVEY (ENUT) — *2023–present*

- Design and coordination of data processing for the II National Time Use Survey and related statistical products, within the framework of the Generic Statistical Business Process Model (GSBPM), including data integration, editing, validation, and construction of final datasets for dissemination.
- Implementation of statistical processing through programming in R, via the development of functions, reproducible workflows, and an internal package aimed at standardizing, documenting, and optimizing the production of statistical outputs.
- Coordination of version control and collaborative team workflows using Git, including repository management, credentials, *pull requests*, and *issues*.
- Design and construction of data collection instruments for the production of official statistics on the labor market, including unpaid work, employment-related activities, and other associated concepts.

National Institute of Statistics (INE) — *Santiago, Chile*
SOCIOECONOMIC ANALYST – MICRO-ENTREPRENEURSHIP SURVEY (EME) — *2022*

- Design and execution of statistical analysis of microdata from the VII Micro-Entrepreneurship Survey for the production of official estimates, including consistency checks, indicator definition, and methodological documentation.
- Automation of statistical analysis and official documentation of the VII EME using *RMarkdown*, integrating code, results, and methodological text within a reproducible workflow.

National Institute of Statistics (INE) — *Santiago, Chile*
INTERN – MICRO-ENTREPRENEURSHIP SURVEY (EME) — *2022*

- Statistical analysis and application of quantitative and qualitative methodologies to improve the data collection instrument in the context of the VII EME Pilot, including non-response analysis, questionnaire duration assessment, and participation in focus groups with the operational team.

ACADEMIC

Center for Social Conflict and Cohesion Studies (COES) — *Santiago, Chile*
RESEARCH ASSISTANT — *2021–2022*

- Support for postdoctoral research in the social sciences, including systematic literature review, data processing and analysis, and collaboration in the writing of scientific articles.

Open Social Science Lab (LISA) – COES — *Santiago, Chile*
RESEARCH INTERN — *2021*

- Participation in information systematization and support in writing a working paper on transparency and reproducibility in the social sciences.

Fondecyt Regular Project No. 1181239 — *Santiago, Chile*
RESEARCH ASSISTANT — *2020–2022*

- Technical support for Fondecyt-funded research, including data processing and analysis, literature review, and collaboration in academic writing.

Todo Mejora Foundation — *Santiago, Chile*
RESEARCH INTERN — *2020*

- Data processing and analysis for the Biennial Report of the Hora Segura Program 2019–2020, and support in applied research activities.

Teaching Experience

Faculty of Psychology, Diego Portales University *Santiago, Chile*

Teaching Assistant – Disciplinary Methodological Seminar: Quantitative Methods (PhD in Psychology) *Fall 2025*

- Tutoring and instructional support in `R` programming for applied quantitative analysis.

Faculty of Social Sciences, University of Chile *Santiago, Chile*

Adjunct Instructor – Correlational Statistics (Undergraduate Sociology) *Second semester 2024*

- Delivery of practical sessions on bivariate analysis, hypothesis testing, and correlation coefficients using `R`.

Faculty of Social Sciences, Diego Portales University *Santiago, Chile*

Teaching Assistant – Advanced Statistical Techniques (Master's in Methods for Social Research) *2023–2024*

- Support in lectures and advising on structural equation models (SEM) for social research.

Faculty of Social Sciences, Diego Portales University *Santiago, Chile*

Teaching Assistant – Quantitative Research Design (Undergraduate Sociology) *Second semester 2022*

- Instructional support in survey design, instrument development, and data analysis.

Faculty of Social Sciences, University of Chile *Santiago, Chile*

Teaching Assistant – Undergraduate Sociology *2019–2021*

- Evaluation Research (2021)
- Sociology of Public Policy (2020)
- Multivariate Statistics (2020)
- Quantitative Research Strategies (2019)

IDEA Center, Faculty of Social Sciences, University of Chile *Santiago, Chile*

Learning Support Tutor (LEA) – Undergraduate Sociology *2019–2021*

- Academic support in scholarly writing, study strategies, and course content.

Education

Pontifical Catholic University of Chile *Santiago, Chile*

Graduate Diploma in Statistics, concentration in Statistical Methods *2023–2024*

University of Chile *Santiago, Chile*

Professional Degree in Sociology (second highest graduating rank) *2017–2022*

University of Chile *Santiago, Chile*

Bachelor's Degree in Sociology *2017–2020*

Skills

- **R (advanced):** experience in data processing using `tidyverse` ecosystem; advanced functional programming with `purrr` and `rlang`; complex survey data analysis with `survey`/`srvyr`; and statistical modeling using `lme4`, `lavaan`, among others.

- **Git / GitHub / GitLab (advanced):** version control, collaborative workflows, and reproducible project management.

- **Quarto (advanced):** preparation of reproducible technical reports and academic documents integrating analysis and narrative.

- **Reference management (advanced):** use of *Mendeley* and *Zotero* for academic research and scientific production.

- **Survey Solutions (intermediate):** design, implementation, and management of digital surveys.

- **Python (basic):** complementary use for data cleaning.

- **Microsoft Office (intermediate):** functional use of Excel, Word, and PowerPoint to support analytical and reporting tasks.

- **English (B2):** fluent reading and listening comprehension; intermediate oral proficiency.

Collaboration and Authorship

1. Bugueño, J. R., Reveco, A. P., Ramirez, M. F. R., Rojas, S. C., Alcayaga, P. C., & Marquéz, M. V. (2022). Por dónde crece la movilización social? Análisis de los nuevos manifestantes de la revuelta social chilena de octubre de 2019. *Revista Chilena de Derecho y Ciencia Política*, *13*(2), 127–158. `https://doi.org/10.7770/rchdcp-V13N2-art2893`

2. Castillo, J., García-Castro, J., & Venegas, M. (2021). Perception of economic inequality: Concepts, associated factors and prospects of a burgeoning research agenda (Percepción de desigualdad económica: Conceptos, factores asociados y proyecciones de una agenda creciente de investigación). *International Journal of Social Psychology*. `https://doi.org/10.1080/02134748.2021.2009275`

3. García-Castro, J. D., Márquez, M. V., Cardoza, L. R., & Rivera, F. R. (2023). Evaluación de (in)justicia distributiva en jóvenes de Centroamérica. *Andamios, Revista de Investigación Social*, *20*(52), 363–386. `https://doi.org/10.29092/uacm.v20i52.1020`

4. García-Castro, J. D., Venegas Márquez, M., & Pérez-Ahumada, P. (2024). Trust in unions drives egalitarianism: Longitudinal evidence. *Journal of Community & Applied Social Psychology*, *34*(4), e2831. `https://doi.org/10.1002/casp.2831`

5. García-Sanchez, E., García-Castro, J. D., Venegas, M., & Castillo, J. C. (2022). The Ideological Underpinnings of Distributive Unfairness Evaluations: Evidence from Latin America between 1997 and 2020. In H. Cakal, V. Smith, & D. Sirlopu (Eds.), *Latin America: Social Psychological Perspectives*.