

Matías Enrique Carmach Monasterio

Psychologist | Social Psychology | Data Analysis

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+56 9 3231 2179 | mcarmach01@gmail.com | [LinkedIn](#)

PROFESSIONAL PROFILE

Social psychologist with a versatile background and a specialization in statistical analysis across multiple domains. Experienced in the design, collection, and analysis of physiological, behavioral, and psychometric data in experimental psychology. Proficient in R, Python, SQL, HTML, CSS, and JavaScript, enabling the application of computational tools across diverse fields. Interested in large-scale data analysis at the national level, with experience in factor analysis, survey design, and the development of research studies across multiple areas.

This interdisciplinary profile supports contributions to research centers and public-sector projects by integrating social, demographic, behavioral, and contextual analysis through an evidence-based, data-driven approach.

WORK EXPERIENCE

- Data collection and processing, together with the development of experimental paradigms for ESDLab.
- Professional internship at the Emotions and Social Decisions Lab.
- Teaching Assistant at Universidad Adolfo Ibáñez.

PROFESSIONAL EXPERIENCE

- Teaching Assistant for Current Topics in Psychology II, School of Psychology, Universidad Adolfo Ibáñez.
- Teaching Assistant for Quantitative Reasoning with Data II, School of Business, Universidad Adolfo Ibáñez.
- Research Assistant, School of Psychology, Universidad Adolfo Ibáñez.
- Teaching Assistant for Well-Being, School of Psychology, Universidad Adolfo Ibáñez.
- Presented the poster "Psychological Predictors of Physiological Stress Responses During Ecological Decision-Making in Naval Cadets" at the II Latin American Congress of Cognitive Neuroscience, organized by Neurotransmitiendo.
- ALEPH: Open-source tool for administering digitized neurocognitive tests in experimental settings.
- "Media Outlet Comparison" dashboard based on a database of more than 1.3 million news articles from over 25 Chilean media outlets.

EDUCATION

Pontificia Universidad Católica de Chile Diploma in Statistics, specialization in Statistical Methods	2026 - Present
Universidad Adolfo Ibáñez Master's Degree in Social Psychology	2025 - 2026
Universidad Adolfo Ibáñez Psychology	2021 - 2025
St. Paul's School Primary and Secondary Education	2014 - 2020

COURSES AND CERTIFICATIONS

- CS50: Introduction to Computer Science | HarvardX on edX.
- Python Game Development with Pygame | Coursera.
- Minor in Science | Universidad Adolfo Ibáñez.

TECHNICAL SKILLS

R and RStudio: Intermediate-level data analysis.

Python: Intermediate-level programming; beginner-level EEG data analysis using MNE-Python.

SQL: Intermediate-level database management.

Web Development: Intermediate-level HTML, CSS, JavaScript, and web application development.

ADDITIONAL INFORMATION

Chilean National ID (RUT): 20.948.653-9

Date of Birth: 28 December 2001

Nationality: Chilean

Languages: English - upper-intermediate level, without formal certification.

Extracurricular Activities: Research assistance in experimental psychology and neuroscience.

Areas of Interest: Computer science, data science, statistics, neuroscience, research, social sciences, anthropology, sociology, history, and public policy.