

Manuel Lopez Paz

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PROFILE

I started my undergraduate business degree excited about learning how business decisions can impact an uncertain world. I found a gap between theory and application, that pointed me toward Econometrics and Operations Research. I especially feel inspired by the power of mathematical and statistical methods to understand and model decisions in dynamic and uncertain environments.

EDUCATION

Universidad Argentina de la Empresa

Buenos Aires 2025

Double Bachelor in Business Administration and International Trade

Coursework: Business Mathematics (functions, vectors, matrices, determinants, systems of linear equations), Business Statistics (descriptive statistics, probability theory, combinatorics, discrete and continuous distributions, Central Limit Theorem). GPA 7.55/10

Instituto Pestalozzi

Buenos Aires 2020/24

High School Diploma with Language Specialization

Relevant Coursework: Calculus (limits, derivatives, integrals, optimization), Functions (linear, quadratic, exponential, logarithmic, trigonometric), Systems of Equations, Matrices and Determinants. GPA 7.33/10

Memberships: Robotics and Programming Club, Leadership Workshop, Exchange Programme Gesamtschule Münster Mitte (Germany)

Additional Coursework: Quantitative Modeling (UPenn) · Statistical Inference (Johns Hopkins, ongoing) · Econometrics: Methods and Applications (EUR, ongoing)

ANALYTICAL PROJECTS: INDEPENDENT RESEARCH

Did Crowd Absence Reduce Home Advantage? - Premier League (2000–2025)

2025

Used regression and statistical tests on 9,380 matches to estimate the impact of crowd absence during COVID-19, finding a partial decline in home advantage.

Does the Transfer Market Reward Performance or Potential? - La Liga (2014–2024)

2025/26

Scraped and merged 2,679 player-seasons from understat.com and Transfermarkt to model market value with OLS regression. The market pays for potential, value peaks at 19-20, not the mid-twenties.

Research Articles on topics of interest and Projects available at www.manuellopezpaz.com

EXPERIENCE

Fundación Sayani *Data Management Volunteer under the supervision of Elena Anachuri*

Jujuy 2025

Migrated manual patient records to structured spreadsheets, implemented data validation, and developed data visualizations for fundraising presentations to local and international donors.

Enduro Park Argentina *Operations Intern under the supervision of Maria Casares*

San Pedro 2025

Supported the operations team in planning and executing large-scale motorsport events, managing participant registration data and assisting with scheduling and resource allocation across multiple event areas.

RUDA *Co-Founder*

Buenos Aires 2024

Co-founded a student organization promoting healthy lifestyle awareness; managed budgeting, cost estimation, and break-even analysis for self-financed operations.

Volunteer *Math Tutor*

Parroquia San Benito Abad 2024

Tutored primary and secondary school students with learning difficulties in mathematics, adapting methods to individual needs.

Volunteer *Rural Education Support - PAS*

Neuquén 2024

Participated in student-led community service initiative; organized fundraising events and contributed to rural school renovation project.

SKILLS AND LANGUAGES

Languages: Spanish (Native), English (CAE Cambridge), German (DSD II), Portuguese (Basic)

Programming: Python (Pandas, NumPy, Matplotlib, Statsmodels, requests), Excel/Google Sheets