



CURRICULUM VITAE

Cristian Vásquez Escobar

Assistant Professor

School of Management, Pontificia Universidad Católica de Chile

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I. Education

- Ph.D. in Statistics, Pontificia Universidad Católica de Chile, 2016
- M.Sc. in Statistics, Pontificia Universidad Católica de Chile, 2008
- B.Sc. in Statistical Engineering, Universidad de Santiago de Chile, 2007

II. Academic Positions & Work Experience

- Assistant Professor, School of Business and Economics, Pontificia Universidad Católica de Chile (2017–Present)
- Senior Methodology Analyst, BBVA Chile (2015–2017)
- Analytics Consultant, SAS Institute (2010–2012)
- Risk Analyst, Banco Santander Chile (2009–2010)

III. Teaching Activities

- Undergraduate Courses: Statistical Inference, Probability, Big Data Analytics
- Graduate Courses: Machine Learning for Business (MBA), Data Mining with R (Master in Business Analytics, Coursera–UC)
- Executive Education: Big Data and Business Analytics; Business Analytics for Leaders

IV. Consulting & Applied Research

- World Bank & Chilean Financial Market Commission (CMF), Impact of interest rate ceilings (2018–Present)
- CCU, Commercial Intelligence & Supply Chain Forecasting (2021–Present)
- Gasco Magallanes, Econometric Model Audit (2021)
- Deloitte, IFRS9 Provision Engine for Kaufmann S.A. (2019–2021)
- Scotiabank, R and RStudio analytics integration training (2020)
- Solventa, R and RStudio analytics integration training (2018)
- Transunion, Provisioning Model for Caja Los Andes (2012–2014)



V. Publications

- Vásquez, C., Quiroga, B. & Vicuña, M.I. (2022). Nonlinear time-series forecasts for decision support: ICU demand during COVID-19. *International Transactions in Operational Research*.
- Vicuña, M.I., Vásquez, C. & Quiroga, B. (2021). Forecasting the 2020 COVID-19 epidemic in Chile. *Frontiers in Public Health*, 9, 416.
- Vásquez, C., Salinas, V.H. & Romeo, J. (2019). Bayesian Estimation in Reparable One-Unit Systems. *Colombian Journal of Statistics*.
- Tejo, M., Niklitschek-Soto, S., Vásquez, C. et al. (2017). Single species dynamics under climate change. *Theoretical Ecology*, 10, 181–193.

VI. Working Papers

- Generalized Minimum Distance Estimators for Locally Stationary Processes (submitted to *Econometric Theory*)
- An Estimator for Locally Stationary, Long-Memory Processes (targeted for *Operations Research*)
- Demand Forecasting with AI in Bottled Beverages Market (targeted for *Informa Journal on Applied Analytics*)
- Winners and Losers from Interest Rate Ceilings in Chile (with Schmukler, Tessada, Vera)

VII. Grants & Awards

- Highest Distinction, Ph.D. in Statistics, Pontificia Universidad Católica de Chile (2016)
- CONICYT Ph.D. Scholarship (2011–2015)
- Top Student Award, MSc in Statistics, PUC Chile (2007–2008)
- Excellence Tuition Scholarship, MSc in Statistics, PUC Chile (2007–2008)
- Top Student Award, BSc in Statistics, Universidad de Santiago de Chile (2007)

VIII. Technical Skills & Languages

- Software: SAS, R, RStudio, Python, Azure, Databricks, SQL, Spark, Microsoft Office
- Languages: Spanish (native), English (intermediate)