



MARIA IGNACIA VICUÑA  
[mivicuna@uc.cl](mailto:mivicuna@uc.cl)

## I. EDUCATION

- Ph.D. in Statistics, Pontificia Universidad Católica de Chile 2011 - 2015
- M.Sc. in Statistics, Professional Statiscal Degree,  
Pontificia Universidad Católica de Chile 2009 - 2010
- Bachelor Degree in Mathematics, Pontificia Universidad Católica de Chile 2004 - 2008

## II. ACADEMIC POSITIONS

- Adjunct Assistant Professor, School of Business Administration,  
Pontificia Universidad Católica de Chile 2015 - Present
- Professor for Undergraduate Statistics  
Pontificia Universidad Católica de Chile 2012 - 2013
- Professor, Engineering Department, Universidad Adolfo Ibáñez. 2010 - 2012

## III. AREA OF SPECIALIZATION AND MAIN COURSES

- Area: Statistics
- Main Courses: Probability and Statistics, Statistic Inference, Quantitative Methods.

## IV. RESEARCH

### *Recent Publications*

- Vicuña, M. I., Vásquez, C., & Quiroga, B. F. (2021). Forecasting the 2020 COVID-19 epidemic: A multivariate Quasi-Poisson regression to model the evolution of new cases in Chile. *Frontiers in public health*, 9, 416.
- Vicuña, MI., Palma, W. & Olea, R. (2019). Minimum distance estimation of locally stationary moving average processes. *Computational Statistics & Data Analysis*, 140:1-20. (WoS)

### *Working Papers*

- "A model to measure agreement between an integer valued instrument and multiple evaluations with an ordered categorical instrument"



## V. SELECTED SCIENTIFIC PRESENTATIONS

- XI Latin American Congress of Statistics Societies  
Title: “Estimador de Mínima Distancia para Procesos Localmente Estacionarios” (Part of Doctoral thesis) Oct 2014
- Internship at Universidad de Supelec, Paris, Francia.  
Research with con Pascal Bondon, regarding ARFIMA models Locally Stationary with structural changes in the long term memory parameters. Feb 2013

## VI. CONSULTING EXPERIENCE

- MINEDUC (Ministry of Education) 2012 – 2014
- Central Bank of Chile 2012
- National Health Survey

## VII. GRANTS AND AWARDS

- National Conicyt Scholarship for PhD Studies 2011 - 2015
- Maximum Grade Distinction, PhD in Statistics 2015
- Maximum Grade Distinction, Master in Statistics 2010
- National Conicyt Scholarship for Master Studies 2009 - 2010
- Faculty of Mathematics Scholarship
- Graduated 2nd of 36 students, Bachelor Degree in Mathematics
- Graduated in 1st place, Master in Statistics