



**CRISTIAN VASQUEZ**  
**ctvasque@uc.cl**

**I. EDUCATION**

- Ph.D. in Statistics, Pontificia Universidad Católica de Chile 2016
- Master in Statistics, Pontificia Universidad Católica de Chile 2008
- Statistical Engineer, Universidad de Santiago de Chile 2007

**II. ACADEMIC POSITIONS**

- Assistant professor, School of Management,  
Pontificia Universidad Católica de Chile. 2017 – To date
- Adjunct Instructor Professor, School of Mathematics,  
Pontificia Universidad Católica de Chile 2013

**III. AREA OF SPECIALIZATION AND MAIN COURSES**

- Area: Statistical Learning, Computational Statistics, Time Series, Data Science, Credit Scoring.
- Main Courses: Statistical Inference, Probability, Big Data Analysis, Data Analytics, Machine Learning for Business.

**IV. RESEARCH**

***Recent Publications***

- Quiroga, B., Vásquez, C., & Vicuña, M. I. (2022). Nonlinear time-series forecasts for decision support: Short-term demand for ICU beds in Santiago, Chile, during the 2021 COVID-19 pandemic. *International Transactions in Operational Research*, 30(6), 3400-3428.
- 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.
- Vásquez, C., Salinas-Torres, V. & Romeo, J. (2019). Bayesian estimation of the limiting availability in repairable one-unit system, *Revista Colombiana de Estadística*, 42(1), 123-142.
- Vásquez, C., Salinas-Torres, V., & Romeo, J. S. (2019). Bayesian estimation of the limiting availability in a repairable one-unit system. *Revista Colombiana de Estadística*.

**V. GRANTS AND AWARDS**

- CONICYT Grant, Ph.D. In Statistics 2011-2014,
- School of Mathematics, Pontificia Universidad Católica de Chile 2011 - 2014



- First Place in academic performance, Master in Statistics, 2007 - 2008
- School of Mathematics, Pontificia Universidad Católica de Chile 2007 - 2008
- Beca de Matrícula, academic excellence, School of Mathematics, PUC 2007 - 2008
- First Place in academic performance, in Statistical Engineering 2007, 2002 - 2007  
Universidad de Santiago de Chile