

EDUCATION

- 2017-present **Ongoing PhD in Decision, Risk and Financial Sciences**,
University of Melbourne, Melbourne, Australia.
Supervisors: *Carsten Murawski and Peter Bossaerts*
- 2014-2016 **Research Master in Cognitive and Clinical Neuroscience - Neuroeconomics Track (Cum Laude)**,
Maastricht University, Maastricht, The Netherlands.
Supervisors: *Colin Camerer and Arno Riedl*
- 2007-2012 **Bachelor in Mathematics**,
Universidad de Los Andes, Bogotá, Colombia.
- 2006-2012 **Bachelor in Economics**,
Universidad de Los Andes, Bogotá, Colombia.

PUBLICATIONS

PEER REVIEWED

Gomez-Gonzalez, J. E., Ojeda-Joya, J. N., **Franco, J. P.** and Torres, J. E. (2015), Asset Price Bubbles: Existence, Persistence and Migration. *South African Journal of Economics*. doi: 10.1111/saje.12108.

PREPRINTS

Franco, J. P., Yadav, N., Bossaerts, P., Murawski C. (2018). Where the really hard choices are: A general framework to quantify decision difficulty. *BioRxiv*, 405449. <https://www.biorxiv.org/content/early/2018/10/17/405449>

THESES AND OTHER MANUSCRIPTS

- 2016 **Using machine learning and mechanism design to improve efficiency of economic bargaining**,
Research Master's Thesis, Cognitive and Clinical Neuroscience (Neuroeconomics),
Maastricht University.
Supervisors: *Colin Camerer and Arno Riedl*
- 2012 **A study about the abilities to recognize patterns in the financial market**,
Bachelor in Economics Thesis,
Universidad de Los Andes.
Supervisor: *Santiago Alonso-Díaz*
- 2012 **Convex optimization models for the coherent management of risk in financial portfolios**,
Bachelor in Mathematics Thesis,
Universidad de Los Andes.
Supervisor: *René Joaquín Meziat*

CONFERENCE PRESENTATIONS

- 2018 Victorian Biomedical Imaging Capability (VBIC) annual network meeting.
2018 Australasian Cognitive Neuroscience Society (ACNS).
2018 Asia Pacific Regional Conference on Experimental Finance.

POSTER PRESENTATIONS

- 2018 Australian Appetitive Motivation Symposium (AAMS).

2018 Society for Neuroscience (SfN).

WORK EXPERIENCE

- May 2017 - present **Research Community Coordinator for R/Rstudio**, *University of Melbourne*, Melbourne, Australia.
- Promote the use of digital tools, such as R/RStudio, in research.
 - Manage the R community at the University of Melbourne.
 - Conduct R/RStudio workshops.
- Nov 2015 - Aug 2016 **Research Internship at Professor Colin Camerer's lab**, *California Institute of Technology*, Pasadena, United States.
- Development of the Master's Thesis: *Using machine learning and mechanism design to improve efficiency of economic bargaining*.
- Sep 2012 - Jun 2014 **Financial Stability Department Analyst**, *Banco de la República (Central Bank of Colombia)*, Bogotá D.C., Colombia.
- Research methods for the detection of price bubbles in different markets across the world.
 - Monitor market and liquidity risk in the Colombian financial markets.
 - Research on the underlying risks in the Colombian money market.
- Feb 2010 - Jan 2011 **Risk Department Trainee**, *JPMorgan Financial Corporation*, Bogotá D.C., Colombia.
- Responsible for monitoring the firm's portfolio market risk.
 - In charge of regulatory reports concerning the firm's risk exposure.

TEACHING EXPERIENCE

- May 2017 - present **R/RStudio workshop instructor**, *University of Melbourne*.
- Feb 2015 - Apr 2015 **Macroeconomics Tutor**, *Maastricht University*.
- Jan 2013 - Dec 2013 **Advanced Microeconomics: Game Theory Teaching Assistant**, *Universidad de los Andes*.
- Jan 2012 - May 2012 **Linear Algebra Teaching Assistant**, *Universidad de los Andes*.
- Aug 2011 - Dec 2011 **Calculus 3 Teaching Assistant**, *Universidad de los Andes*.
- Jan 2010 - May 2010 **Financial Mathematics Teaching Assistant**, *Universidad de los Andes*.

SCHOLARSHIPS AND AWARDS

- 2017 **Henry Buck Scholarship for 2017**, *University of Melbourne*, Melbourne, Australia.
Highest scholarships score among the cohort entering to the Faculty's doctoral programs in 2017.
- 2017 **Faculty of Business and Economics Graduate Research Scholarship**, *University of Melbourne*, Melbourne, Australia.
Scholarship to undertake the PhD in Decision, Risk and Financial Sciences.
- 2006 **Full College Scholarship (2006-2010)**, *"Bachilleres for Colombia" ECOPETROL*, Bogotá D.C., Colombia.
Best national high school exit exam - ICFES - state of Cundinamarca, 2005
- 1999-2004 **Colombian National Math Olympics**, Bogotá D.C., Colombia.
First place in 1999 and 2003; top ten places in 2001 and 2004.

2003 **International Math Olympics**, *Gold medal in the IV Olimpiada Bolivariana de Matemáticas (4th Bolivarian Math Olympics)*, Bogotá D.C., Colombia.

COMPUTER SKILLS

Programming Languages and Software Javascript, HTML, PHP, Java, MATLAB, R, Python, Unity 3D (C#).

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

Jan 2019 - **Member of the Pride in Action Network committee**, *University of Melbourne*, Melbourne, present Australia.

Apr 2018 - **President of the faculty of business and economics PhD student society committee**, present *University of Melbourne*, Melbourne, Australia.

Apr 2017 - **Member of the faculty of business and economics PhD Student Society committee**, Mar 2018 *University of Melbourne*, Melbourne, Australia.

Nov 2014 - **Student Representative (Neuroeconomics Track)**, *Maastricht University*, Maastricht, The Oct 2015 Netherlands.

Jan 2013 - **Volunteer work as high school Mathematics and English teacher**, *Colombia Crece*, Bogotá Dec 2013 D.C., Colombia.

LANGUAGES

Spanish Native Language

English Proficient (TOEFL IBT 110/120)

German Intermediate Level (Level B2.3 Goethe Institut, Bogotá D.C., Colombia- May 2013)