

Orlando Joaqui Barandica

PHD. STUDENT

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Education

PhD student in Industrial Engineering (Current)

Cali, Colombia

UNIVERSIDAD DEL VALLE

2020 - Current

- Research: Topics in asset and liability management
- Advisors: Diego F. Manotas - Jorge M. Uribe

MSc Applied Economics

Cali, Colombia

UNIVERSIDAD DEL VALLE

2015 - 2017

- Research: Effect of the world interest rate on the equity markets of emerging economies
- Advisors: Jorge M. Uribe

BSc Statistics

Cali, Colombia

UNIVERSIDAD DEL VALLE

2008 - 2014

- Research: Modeling the effect of climatological factors on the productivity of rice cultivation in some producing areas of Colombia with information from historical series
- Partner: Oscar W. Orozco
- Advisors: David Arango - Javier Olaya

COMPLEMENTARY COURSES

May 2021 **Machine Learning with R:** (on-line, Chile)

Dataidea - www.dataidea.org

May 2021 **Dashboard with Shiny in R:** (on-line, Chile)

Dataidea - www.dataidea.org

Jun. 2018 **Big Data (Text Mining):** (Cali, Colombia)

Pontificia Universidad Javeriana de Cali

May 2017 **Introduction to Mixed Generalized Linear Models:** (Cali, Colombia)

Colombian Society of Statistics

Apr. 2016 **Data Mining:** (Cali, Colombia)

Colombian Society of Statistics

Work Experience

Universidad del Valle

Cali, Colombia

ASSISTANT PROFESSOR

2016 - Current

- Department of Statistics
- Department of Economics (2020)

Pontificia Universidad Javeriana de Cali

Cali, Colombia

ASSISTANT PROFESSOR

2016 - Current

- Department of Accounting and Finance
- Department of Economics
- Department of Natural Sciences and Mathematics (2016 - 2019)

Universidad del Tolima

Ibagué, Colombia

ASSISTANT PROFESSOR

2021

- Department of Economics and Finance

Universidad ICESI

Cali, Colombia

ASSISTANT PROFESSOR

2016 - 2019

- Department of Mathematics and Statistics

Universidad San Buenaventura Cali

Cali, Colombia

ASSISTANT PROFESSOR

2019

- Department of Economics

- Education Faculty

CIAT - The International Center for Tropical Agriculture

- Program cassava breeding

Teaching experience

UNIVERSIDAD DEL VALLE

- 2016 S2 **Econometrics** (Department of Statistics)
- 2018 S2 **Econometrics** (Department of Statistics)
- 2019 S2 **Econometrics** (Department of Statistics)
- 2020 S1 **Time series and forecast** (Department of Statistics)
- 2020 S1 **Analysis of social and economic data in R** (Department of Economics)
- 2020 S1 **Multivariate analysis and data mining** (Department of Statistics / Short course)
- 2020 S2 **Statistical methods** (Department of Statistics)
- 2020 S2 **Data processing** (Department of Statistics)
- 2021 S1 **Statistical methods** (Department of Statistics)
- 2021 S1 **Data processing** (Department of Statistics)

PONTIFICIA UNIVERSIDAD JAVERIANA DE CALI

- 2016 S1 **Descriptive Statistics** (Department of Natural Sciences and Mathematics)
- 2016 S2 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2017 S1 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2017 S2 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2018 S1 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2018 S1 **Quantitative Methods for Finance** (Department of Accounting and Finance)
- 2018 S2 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2019 S1 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2019 S1 **Quantitative Methods for Finance** (Department of Accounting and Finance)
- 2019 S2 **Statistics I** (Department of Natural Sciences and Mathematics)
- 2019 S2 **Quantitative Methods for Finance** (Department of Accounting and Finance)
- 2020 S1 **Mathematics and Statistics for Economic Sciences** (Department of Economics)
- 2020 S2 **Mathematics and Statistics for Economic Sciences** (Department of Economics)
- 2021 S1 **Quantitative Methods for Finance** (Department of Accounting and Finance)
- 2021 S2 **Mathematics and Statistics for Economic Sciences** (Department of Economics)
- 2021 S2 **Quantitative methods applied to social policy** (Department of Economics)

UNIVERSIDAD ICESI

- 2016 S2 **Probability theory** (Department of Mathematics and Statistics)
- 2017 S1 **Probability theory** (Department of Mathematics and Statistics)
- 2017 S2 **Probability theory** (Department of Mathematics and Statistics)
- 2017 S2 **Statistical inference** (Department of Mathematics and Statistics)
- 2017 S2 **Regression and Sampling** (Department of Mathematics and Statistics)
- 2018 S1 **Probability theory** (Department of Mathematics and Statistics)
- 2018 S1 **Statistical inference** (Department of Mathematics and Statistics)
- 2018 S1 **Regression and Sampling** (Department of Mathematics and Statistics)
- 2018 S2 **Statistical inference** (Department of Mathematics and Statistics)
- 2018 S2 **Regression and Sampling** (Department of Mathematics and Statistics)
- 2019 S1 **Statistical inference** (Department of Mathematics and Statistics)
- 2019 S1 **Regression and Sampling** (Department of Mathematics and Statistics)

UNIVERSIDAD SAN BUENAVENTURA CALI

- 2019 S1 **Econometrics I** (Department of Economics)
- 2019 S1 **Econometrics II** (Department of Economics)

UNIVERSIDAD DEL TOLIMA

2021 S2 **Data Visualization in R** (Department of Economics and Finance / Short course)

2021 S2 **Reports in Rmarkdown** (Department of Economics and Finance / Short course)

UNIVERSIDAD SANTIAGO DE CALI

2018 S2 **Techniques and data analysis** (Education Faculty / Short course)

Publications

ARTICLES

- 2019 **Elección del tipo de transporte en la clase trabajadora de Colombia: un análisis por regiones.** (with Rodríguez-Barco, D.). *Libre Empresa*. 16 (2): 65-79
<https://doi.org/10.18041/1657-2815/libreempresa.2019v16n2.6608>
- 2016 **Cassava Breeding I: The Value of Breeding Value.** (with Ceballos, H., Pérez, J., Lenis J., Morante, N., Calle, F., Pino, L., Hershey, C.). *Frontiers in Plant Science*. 7 : 1227
<https://doi.org/10.3389/fpls.2016.01227>
- 2016 **Cassava Breeding II: Phenotypic Correlations through the Different Stages of Selection.** (with Pérez, J., Lenis, J., Calle, F., Morante, N., Pino, L., Hershey, C., Ceballos, H.). *Frontiers in Plant Science*. 7 : 1649
<https://doi.org/10.3389/fpls.2016.01649>

CHAPTER OF THE BOOK

- 2019 **Resultados componente cuantitativo: acciones, conocimientos, actitudes y prácticas preventivas frente al VIH.** (with Canaval, G., Valencia, C., Muñoz, E., Tovar, R., Triviño, Z. Chantre, S., Chamorro, M.). *Tramas, sexualidades y prevención del VIH en jóvenes universitarios de Cali*. Ed. Sello Editorial Javeriano. ISBN: 78-958-5119-18-5

WORKING PAPER

- 2021 **Commonality , macroeconomic factors and banking profitability.** (with Manotas-Duque, Diego F., Uribe, Jorge M.). *IREA - Universitat de Barcelona*.
https://www.ub.edu/irea/working_papers/2021/202113.pdf

Presentations

- Sept. 2021 **Commonality , macroeconomic factors and banking profitability.** (with Manotas-Duque, Diego F., Uribe, Jorge M.). *IFABS 2021*. (Oxford, UK).
- Nov. 2020 **Assets Liability Management: Un análisis bibliométrico y modelación de temas.** (with -). *Semana de la Ingeniería - Universidad del Valle*. (Cali, Colombia).
- May 2019 **Social Responsibility and Financial Performance in violent settings: A study of Colombian Family Firms.** (with González, A., Rodríguez, Y., Maldonado, S., Pérez, M.). *15th Annual Family Enterprise Research Conference – FERF*. (The University of Vermont, USA.).
- Nov. 2018 **Análisis de la dinámica de reputación corporativa, responsabilidad social y gobierno de empresa utilizando statis.** (with Ochoa, A.). *II Simposio de Biotecnología Industrial*. ISSN: 2665-1548 (Palmira, Colombia).
- Nov. 2018 **Divulgación de información de RSC: Un análisis de la dinámica de reputación corporativa, responsabilidad social y gobierno de empresa utilizando statis.** (with Ochoa, A.). *II Congreso Colombiano de Estadística*. ISSN: 2665-2048 (Cali, Colombia).
- Oct. 2016 **Factores determinantes de la aplicación de los niveles de la GRI en la divulgación de información sobre responsabilidad social empresarial (RSE) para los años 2011 a 2015.** (with Maldonado, S., Gaitán, C., Acosta, A.). *International Finance Conference - IFC*. ISBN 978-956-362-941-5 (Viña del Mar, Chile).

Refereeing

JOURNALS

Journal **Desarrollo y Sociedad**
Universidad de los Andes

Journal **Entramados**
Universidad Libre de Cali

EVALUATION COMMITTEE

Under-graduate thesis **Study on long memory on the volatility of the COLCAP index in the period 2008-2018**
Student(s): Sandoval, K. (Universidad del Valle, 2021)

Under-graduate thesis **Combination of the analysis of mixed clusters and MCA with missing data for the study of lifestyles of young university students**
Student(s): Ortega, L. (Universidad del Valle, 2019)

Software

Language R, Python