# Juan Estrada, Ph.D.

| CONTACT INFORMATION | Quantitative Theory and Methods <br> Emory University <br> 36 Eagle Row, 5th Floor <br> Atlanta, GA 30322 <br> United States | 📞: +1 (404) 727 1381 <br> ✉: jjestra@emory.edu <br> 🔗: www.juanestrada.info/ <br> 🐙: github.com/jjestra <br> in: linkedin.com/in/juan-estrada-610411191/ |
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**CITIZENSHIP**  Colombia and United States Permanent Resident

**POSITIONS**

- **Emory University** Atlanta, Georgia,  2022-Present
  Postdoctoral Fellow
  Quantitative Theory and Methods (QTM) Department

**EDUCATION**

- **Emory University**, Atlanta, Georgia.
  Ph.D. in Economics,  2022
  M.Sc. in Economics,  2020

- **Universidad EAFIT**, Medellín, Colombia
  M.Sc. in Economics (Distinction),  2016
  B.Sc. in Economics,  2014
  Major: Quantitative Economics.

**RESEARCH INTERESTS**  Econometrics of Networks, Causal Inference, Applied Microeconomics, American Politics

**PUBLISHED PAPERS**

Survival Analysis of Banknote Circulation: Fitness, Network Structure, and Machine Learning, (joint with Kim P. Huynh, David Jacho-Chávez and Diego Rojas) Chapter 9, pp. 235-262, in *Advances in Econometrics: The Econometrics of Networks*, 2020, edited by Áureo de Paula, Elie Tamer, and Marcel Voia. Emerald Group Publishing.

**UNDER REVIEW**

1. "Estimating Social Effects with Randomized and Observational Network Data," with TszKim Julian Chan, Kim P. Huynh, David Jacho-Chávez, Chungsang Tom Lam and Leonardo Sánchez-Aragón.

2. "Social Interactions in Multilayered Observational Networks."

3. "netivreg: Estimation of Peer Effects in Endogenous Social Networks," with Pablo Estrada, Kim Huynh, David Jacho-Chavez, and Leonardo Sanchez-Aragon (revise and resubmit).

**WORKING PAPERS**

1. "Estimating Network Effects and Their Impact on Congressional Polarization," with Cliff Carrubba.

2. "Bayesian Inference of Network Formation Models with Payoff Externalities," with Cheng Ding and Santiago Montoya-Blandon.

3. "On the Identification and Estimation of Endogenous Peer Effects in Multiplex Networks," with Kim Huynh, David Jacho-Chavez, and Leonardo Sanchez-Aragon.

4. "Legislative Activity Relational Database: A New Open Source Database to Answer Questions about Legislative Politics," with Brian Crisp, Cliff Carrubba, and Matt Gabel.

WORK IN
PROGRESS

1. "Telling Half the Story? Using Roll Call Votes to Understand Legislative Behavior," with Brian Crisp, Cliff Carrubba, and Matt Gabel.

2. "Amending Primary Outcomes: Impact on Clinical Trials Regulatory Approval," with Cliff Carrubba, Matt Gabel, and Mateo Mejia-Saldarriaga.

RESEARCH
EXPERIENCE

**Emory University. QTM Department**
*Postdoctoral Fellow* with Prof. Cliff Carrubba                    Jun, 2022 to Present

**Emory University. Economics Department**
*Research Assistant* to Prof. David T. Jacho-Chávez           Aug, 2018 to May, 2019

**Universidad EAFIT**
*Junior Researcher*,                                               Jul, 2016 to Dec, 2016
International Development Research Centre (IDRC)
*Research Assistant* to Dr. Mónica Ospina                        Apr, 2015 to Jul, 2016

TEACHING
EXPERIENCE

**Emory University**, Atlanta, Georgia - United States. **Main Instructor**
- *Quantitative Theory and Methods Department*                              Fall 2022
  QTM-151: Intro. to Stat.Computing II
  Undergraduate level
- *Department of Economics*                                                  Spring 2021
  Econ 101: Principles Of Microeconomics
  Undergraduate level

**Emory University**, Atlanta, Georgia - United States. **Lab Instructor**
- *Institute for Quantitative Theory and Methods*                            Fall 2020
  Intro. to Statistical Inference
  Undergraduate level with Prof. Jin Kim
- *Institute for Quantitative Theory and Methods*                           Spring 2020
  Probability and Statistics
  Undergraduate level with Prof. Zhongjian Lin

**Emory University**, Atlanta, Georgia - United States. **Teaching Assistant**
- Teaching Assistant, *Department of Economics*                             Spring 2022
  Advanced Econometrics
  Ph.D. level with Prof. David T. Jacho-Chávez
- Teaching Assistant, *Department of Economics*                              Fall 2021
  Probab. Theory & Stat. Inference
  Ph.D. level with Prof. Stefan Hoderlein
- Teaching Assistant, *Department of Economics*                              Fall 2020
  Probab. & Stat. for Economists
  Undergraduate level with Prof. Elena Pesavento
- Teaching Assistant, *Department of Economics*                  Spring 2019, Spring 2020
  Advanced Econometrics
  Ph.D. level with Prof. David T. Jacho-Chávez

- Teaching Assistant, *Department of Economics*                    Spring 2020
  Empirical Methods & Machine Learning
  Undergraduate level with Prof. David T. Jacho-Chávez

  **Universidad EAFIT**, Medellín - Colombia
  Teaching assistant, Advanced Econometrics                   Aug,2016 to Sep, 2016
  Master level

CONFERENCE
PRESENTATIONS

1. "American Political Science Association Annual Meeting & Exhibition," Los Angeles, California. August 31 – September 3, 2023

2. "40th annual meeting of the Society for Political Methodology," Stanford University, Palo Alto, California. July 9-11, 2023

3. "81st Annual Midwest Political Science Association Conference," Chicago, Illinois, USA. April 4-7, 2023

4. "Eighth Annual Conference on Network Science and Economics," Virginia Tech, Virginia, USA. March 03-05, 2023

5. "European Winter Meetings of The Econometric Society," Humboldt University, Berlin, Germany. December 16-18, 2022

6. "Midwest Econometrics Group (MEG)," Michigan State University, Michigan, USA. October 28-29, 2022

7. "North America Summer Meetings of The Econometric Society," University of Miami, Florida, USA. June 16-19, 2022

8. "European Winter Meetings of The Econometric Society," University of Barcelona, Barcelona, Spain (Online). December 13-15, 2021

9. "16th Economics Graduate Students' Conference," Washington University in St. Louis, Missouri, USA. October 23, 2021

10. "LACEA LAMES Annual-Meeting 2021," Universidad del Rosario, Bogotá, Colombia (Online). October 18-22, 2021

11. "2021 Stata Conference," (Online). August 5-6, 2021

12. "IAAE 2021 Annual Conference," Erasmus School of Economics, Rotterdam, The Netherlands (Online). June 22-25, 2021

13. "Young Academics Networks Conference," University of Cambridge, INET (Online). June 1-3, 2021

14. "Sixth annual conference on Network Science and Economics," Online. March 26-28, 2021

15. "Microeconometrics: Survey Methodology and Data Science Conference," Ottawa, Ontario, Canada. September 26-27, 2019

16. "Advances in Econometrics: The econometrics of Networks," Paltinis, Sibiu, Romania. May 16-17, 2019

17. "Fifth annual conference on Network Science and Economics," Bloomington, Indiana, United States. April 26-28, 2019

18. "LACEA-LAMES Annual Meeting," Medellín, Colombia. November 10-12, 2016

19. "7 Seminario Internacional de Investigación sobre Calidad de la Educación, Bogotá," Colombia. November 3-4, 2016

20. "Innova-TE 330," Bogotá, Colombia. June 27-30, 2016.

21. "17 Annual Global Development Conference," Lima, Perú. March 17-18, 2016

22. "Construcción de Metodologías comparativas e Indicadores para medir el uso de TIC y sus impactos en el salón de clase," Bogotá, Colombia. March 15-17, 2016

AWARDS

- Outstanding Graduate Teaching Associate Award from Laney Graduate School, Emory University                                                                                                                    2022
- Economics Graduate Student Research Award of Excellence from Emory University Department of Economics                                                                                                 2022
- Ph.D. Full Scholarship at Emory University                                                                         2017
- Graduation with Honors in the M.Sc. in Economics at Universidad EAFIT          2016
- Masters Full Scholarship at Universidad EAFIT                                                          2015

LANGUAGES &
OTHER SKILLS

*Software*: Python, R, Stata, Eviews, MatLab, LaTeX, SQL.
*Languages*: Spanish (Native), English (Fluent)

OTHERS

- CRC TR 224 Summer School on the Econometrics of Peer Effects and Social Interactions, Annweiler, Germany, July 15-19, 2019. Instructors: Bryan Graham (UC Berkeley) and Aureo de Paula (University College London).
- Course on "Real Analysis and Optimization for Economics", Universidad de los Andes Summer School

REFERENCES

Clifford Carrubba, Ph.D.
Samuel Candler Dobbs Professor
Political Science Department
Department Chair
Quantitetive Theory and Methods Department            📞: +1 (404) 727-6830
Emory University, Atlanta, USA                                       ✉: ccarrub@emory.edu

David T. Jacho-Chávez, Ph.D.
Professor                                                                             📞: +1 (404) 727-1381
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Emory University, Atlanta, USA

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Associate Professor                                                          📞: +1 (404) 727-1381
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Emory University, Atlanta, USA