Diego Rojas

Emory University
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Education

Ph.D. Economics, Emory University, expected 2022.

  Advisor: David Jacho-Chavez (co-chair), Kim Huynh (co-chair)

B.A. Economics, Pontificia Universidad Catolica del Ecuador, 2013.

B.A. Economics and Management, Universite Grenoble Alpes, 2012.

Fields of Interest

Network Econometrics, Statistical Learning, Big Data, Computational Economics

Research

Working Papers

Appearance Effects on Money Duration: Evidence from a Large Scale Intervention.

New Features for Machine Learning with Stata 16. with Anson T. Y. Ho, Kim P. Huynh, David T. Jacho-Chavez.

Publications

Estrada, J., Huynh, K.P., Jacho-Chavez, D.T., & Rojas, D. (forthcoming). Survival Analysis of Banknote Circulation: Fitness, Network Structure, and Machine Learning. The Econometrics of Networks in Advances in Econometrics vol. 42. Emerald.

Rojas, D., & Castillo, R. (2016). Reducción de la Pobreza rural en Ecuador: Un análisis de las actividades generadoras de ingresos. Reporte de Pobreza por Consumo Ecuador 2006-2014.

Rojas, D., Escobar, A., Molina, A., & Castillo, R. (2015). Metodología de construcción del agregado de consumo y estimación de línea de pobreza en el Ecuador.

Rojas, D. (2015). Localización de centros de empleo y su influencia sobre la distribución de la población en el distrito metropolitano de quito. Analítika: revista de análisis estadístico, (9), 53-94.

Mancheno, D., & Rojas, D. (2013). Subcentros de empleo en el DMQ y la creacion de centralidades en el Plan Metropolitano de Ordenamiento Territorial 2012-2022. Questiones Urbano Regionales, 1(2), 95-119.

Academic Experience

Emory University, Department of Economics

Teaching Assistant, Econ 220: Probability and Statistics for Economists, Fall 2018

Research Assistant, Ian McCarthy, Spring 2019.

Teaching Assistant, Econ 520: Probability Theory & Statistics Inference, Fall 2019.

Research Assistant, Elena Pesavento, Spring 2020.

Emory University, Department of Quantitative Theory and Methods

Grader, QTM 151: Intro to Statistical Computing II, Fall 2018, Spring 2019-2020.

Grader, QTM 350: Data Scienc computing, Fall 2019.

Professional Experience

Ecuadorian Internal Revenue Service (SRI), Center for Fiscal Studies

Researcher, Policy Evaluation, Oct 2015- Jul 2017

Ecuadorian Institute for Statistics and Census (INEC), Poverty and Inequality Studies Unit

Researcher, Research on poverty measurement, Oct 2015- Jul 2017

Instituto de la Ciudad de Quito, Urban Economics Research Unit

Researcher, Research on Spatial distribution of Employment, Sep 2011- Jun 2013

Conference Presentations

Survival Analysis of Banknote Circulation

Advances in Econometrics Conference : The Econometrics of Networks. Paltinis, Romania. May 16 2019.

Microeconometrics: Survey Methodology and Data Science Conference. Bank of Canada. September 28, 2019.

Computer Skills:

Python: Advanced use for data analysis, Network analysis, Statistical Learning, Simulation, Parallel computing, web scrapping.

R: Advanced used for data analysis, Simulation, Parallel computing, web scrapping, Spatial Statistics, Geo-processing.

Apache Spark /Scala: Advanced used for data analysis, and machine learning, simulation.

SQL: Advanced used for data analysis.

Stata/Mata: Advanced used for data analysis, Microeconometrics.

Other : Linux (advanced), QGIS (intermediate), ArcGis(intermediate), Git (interemediate), Github (intermediate), Databricks (itermediate), Azure Cloud Computing (advanced).

References

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