

Maria Daniela Araujo P.

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EDUCATION

- Since 10/2016 **Doctoral Candidate of Empirical Economics, Bamberg Graduate School of Social Science**, University of Bamberg, Germany
Dissertation Project: *The Impact of Teacher and School Quality on Student Learning*
- 08/2007 – 05/2009 **Master of Public Policy, Georgetown University**, Washington D.C., USA
Mater Thesis: *The Influence of Performance Based Incentives on the Quality of the Chilean Education System*
- 09/1999 – 10/2005 **Bachelor of Arts in Economics, Pontifical Catholic University of Ecuador**, School of Economics, Quito, Ecuador

WORK EXPERIENCE

- Since 10/2019 **University of Bamberg, Chair of Empirical Microeconomics**, Bamberg, Germany
Scientific Associate
- Taught courses on: Introduction to the Statistical Software Stata; Advanced Stata Course for Causal Inference in Economics and Social Science; Personality Psychology and Economics.
- 05/2019 **Global Development Network (GDN)**, New Delhi, India
External Scientific and Technical Advisor
- Advised “Universidad San Francisco de Quito” team in the execution of project “Quality and equity in education: Lessons from the policy of expansion and improvement of the services of Early, Initial and Elementary Education in Ecuador. Impact of teacher quality on learning”
- 01/2016 – 07/2016 **Littoral Polytechnic Superior School (ESPOL)**, Guayaquil, Ecuador
Consultant of Cost-Benefit Analysis
- Diagnosed and reviewed Cost-Benefit Analysis methodologies to evaluate development projects at the Development Bank of Ecuador

01/2014 – 08/2015 **Development Bank of Ecuador (BDE)**, Quito, Ecuador

Planning Manager

- Chief of the Directorates: Planning and Investing, Public Policy and Analysis (Statistics), and Quality Management.
- Developed Annual Investment Plan (USD 500 million a year)
- Published Bank's Accountability Annual Report
- Published monthly and annual statistical reports
- Developed programs assessments and impact analysis
- Coordinated the Quality Management System
- Responsible for 17 employees

10/2013 – 12/2013 **Ministry for the Coordination of Knowledge and Human Talent (MCCTH)**, Quito, Ecuador

Advisor to the Minister

- Developed a quantitative study to evaluate the "Beginning of school year in the Metropolitan District of Quito"

07/2010 – 06/2013 **Ministry of Education of Ecuador**, Quito, Ecuador

Undersecretary of General Planning (since 11.2010)

- Head of the Directorates: Technical Planning, Analysis and Information (Statistics), Monitoring and Impact Evaluation, International Relations and Cooperation
- Developed Annual Investment Plant (USD. 400 million a year)
- Supervised Cost-Benefit Analysis of Investment Projects
- Monitored national investment projects
- Published national education statistics and analysis
- Aligned international cooperation with national goals and budget
- Developed Ministry's New Management Model
- Designed and implemented the New Model for school allocation
- Planned and executed national teacher and student assessments
- Responsible for 50 employees

Director of the Information and Assessment Directorate

- Managed the national system of information and statistics for education
- Developed national education statistics and analysis
- Planned and executed national teacher and student assessments
- Responsible for 6 employees

04/2009 – 06/2010 **Think Tank "Grupo FARO"**, Quito, Ecuador

Coordinator of the Program "Accompanying the Ten-Year Education Plan from within the Citizenry- EDUCIUDADANÍA" funded by the European Union

- Implemented a system of indicators for monitoring and evaluating the Ecuadorian Ten-Year Education Plan
- Wrote and published the Initiative's Report
- Managed the Initiative's budget (EUR. 400 thousand)
- Responsible for 3 employees

- 02/2009 – 04/2009 **Global Integrity**, Washington D.C., U.S.A.
Research Associate
- Methodological and project management assistance in ongoing governance and anti-corruption projects, in particular reviewing fieldwork and data on sub-national governance issues in Peru, Argentina, and Ecuador
- 09/2004 – 07/2007 **Foundation for Social and Environmental Development (FOES)**, Quito, Ecuador
Junior Economist
- Designed the Youth Entrepreneurship Project “Hope”, winner of World Bank’s Development Fair (07/2007)
 - Technical and Financial assistance in the Vocational Training Program for Rural Communities “Rural Challenge” funded by the Swiss Agency for Development and Cooperation (SDC) (01/2005– 07/2007)
 - Evaluated proposals submitted to the Italian-Ecuadorian Fund for foreign debt conversion (05/2006 – 09/2006)
 - Monitored the execution of development projects financed with the remnant resources from the Ecuadorian-Swiss Counter-Value Fund (09/2004– 12/2004)

TEACHING EXPERIENCE

- Since 10/2019 **University of Bamberg, Chair of Empirical Microeconomics**, Bamberg, Germany
Personality Psychology and Economics
Introduction to the Statistical Software Stata
Stata Advances Course (Application of Methods for Causal Inference)
- 01/2014 - 05/2014 **Pontifical Catholic University of Ecuador, School of Economics**, Quito, Ecuador
Impact Evaluation Analysis
- 08/2009 - 12/2009 **Pontifical Catholic University of Ecuador, School of Economics**, Quito, Ecuador
Econometrics I

PROFESSIONAL TRAINING

- 07/2018 **Field experiments in development economics, Bavarian Graduate Program in Economics (BGPE)**, Lichtenfeld, Germany
- 03/2018 **Experimental Methods, European Consortium for Political Research (ECPR) Winter School 2018**, Bamberg, Germany
- 03/2018 **Panel Data Analysis, ECPR Winter School 2018**, Bamberg, Germany
- 10/2017 **Causal Inference in Experiments and Observational Studies, Bamberg Graduate School of Social Science (BAGSS)**, University of Bamberg, Germany
- 10/2017 **Quantile Regression, Institut für Arbeitsmarkt- und Berufsforschung (IAB)**, Nuremberg, Germany
- 10/2017 **Multilevel Structural Equation Modeling, BAGSS**, University of Bamberg, Germany
- 08/2017 **Public Finance, BGPE**, Parsberg, Germany
- 07/2017 **Economics of Education: Analyzing the Effects of Programmes and Policies, University of Barcelona**, Barcelona, Spain

- 03/2017 **Survey Design and the Online Survey Lifecycle, ECPR Winter School 2017,** Bamberg, Germany
- 02/2017 **Advanced Econometrics, BGPE,** Lichtenfeld, Germany
- 02/2017 **Structural Equation Modeling, Leibniz Institute for Educational Trajectories (LifBi),** Bamberg, Germany

ACADEMIC SCHOLARSHIPS AND AWARDS

- 01/2019 – 12/2019 **Katholischer Akademischer Ausländer-Dienst (KAAD),** Scholarship for Doctoral Studies, Bonn, Germany
- 10/2016 – 12/2018 **Bamberg Graduate School of Social Sciences (BAGSS),** Doctoral Fellowship, Bamberg, Germany
- 08/2007 – 05/2009 **Inter-American Development Bank,** Japan-IDB Scholarship Program Award for Graduate Studies, Washington D.C., USA
- 07/2004 – 10/2005 **University of Sherbrooke (UNIRCOOP) and Pontifical Catholic University of Ecuador,** Student research scholarship, Quito, Ecuador
- 10/2001 – 04/2004 **Pontifical Catholic University of Ecuador,** School of Economics, Student performance scholarships: 1^o Semester 2003-2004, 2^o Semester 2002-2003, 1^o Semester 2001-2002, Quito, Ecuador

CONFERENCES

- 10/2020 **Virtual PhD Workshop on Causal Analyses of School Reforms** organized by ifo Institute and Social Science Center Berlin (WZB). Paper presentation: "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online - Munich, Germany
- 09/2020 **5th IZA Workshop: The Economics of Education.** Paper presentation: "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online - Bonn, Germany
- 11/2019 **Workshop on Field Experiments in Policy Evaluation** organized by the Institute for Employment Research (IAB). Paper presentation: "Does Test-Based Teacher Recruitment work? Experimental Evidence from Ecuador." Nuremberg, Germany.
- 06/2018 **XXVII Meeting of the Economics of Education Association.** Paper presentation „Measuring the Effect of Teacher Merit Based Recruitment on Student Achievement, evidence from Ecuador” Barcelona, Spain
- 06/2018 **9th International Workshop on Applied Economics of Education.** Paper presentation „Measuring the Effect of Teacher Merit Based Recruitment on Student Achievement, evidence from Ecuador” Catanzaro, Italy
- 03/2016 **Global Development Network (GDN) Policy Lab on Strengthening the Research Capacity of Relatively Small Countries in Latin America and the Caribbean focus on Education for Development.** Policy actor invited to advise research proposals. Lima, Peru
- 07/2013 **II International Seminar of Decentralized Management of Schools** organized by the Ministry of Education of Peru. Presentation "New Model of Educational Management in Ecuador" Lima, Peru

- 10/2012 **Seminar on Information Management for School Improvement** organized by the Ministry of Education of Colombia and EIGE. Presentation “New Model of Educational Management in Ecuador” Bogota, Colombia
- 04/2012 **Network of Networks for Impact Evaluation (NONIE) - 2012 Meeting**, organized by the United Nations Evaluation Group (UNEG). Delegate of the Ministry of Education of Ecuador. Rome, Italy
- 11/2011 **UNESCO’s Technical Consultation Meeting “From Primary to Secondary Education: Lessons for Equity and Quality Improvements.”** Delegate of the Ministry of Education of Ecuador. Paris, France
- 10/2010 **Regional Meeting on Indicators for Information and Communication Technology (ICT) in Education**, UNESCO and the Economic Commission for Latin America and the Caribbean (ECLAC). Delegate of the Ministry of Education of Ecuador. Santiago, Chile.

PUBLICATIONS AND WORKING PAPERS

- Araujo P., M. Daniela, Guido Heineck, and Yyannú Cruz-Aguayo. 2020. “Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador.” IZA DP No. 13830. Discussion Paper Series. Bonn. <https://www.iza.org/publications/dp/13830/does-test-based-teacher-recruitment-work-in-the-developing-world-experimental-evidence-from-ecuador>.
- Araujo P., M. Daniela. 2019. “Measuring the Effect of Competitive Teacher Recruitment on Student Achievement: Evidence from Ecuador.” 150. BERG Working Paper Series. Bamberg. https://www.uni-bamberg.de/fileadmin/uni/fakultaeten/sowi_faecher/vwl/BERG/BERG_150.pdf.
- Araujo P., M. Daniela, and Daniela Bramwell. 2015. “Cambios En La Política Educativa En Ecuador Desde El Año 2000.” ED/EFA/MRT/2015/PI/35. Education for All Global Monitoring Report UNESCO. Paper Commissioned for the EFA Global Monitoring Report 2015, Education for All 2000-2015. Paris. <https://unesdoc.unesco.org/ark:/48223/pf00002324300>
- Cervantes, Reinaldo, M. Daniela Araujo P., Paúl Salazar, Sebastián Zambrano, Gonzalo Barreno, and Miguel Zúñiga. 2012. “Reordenamiento de La Oferta Educativa.” Quito. https://educacion.gob.ec/wp-content/uploads/downloads/2013/03/Reordenamiento_de_la_oferta_educativa.pdf
- Araujo P., M. Daniela and Paúl Salazar. 2010. “Hacia un Sistema de Observación Ciudadana. Informe de seguimiento al Plan Decenal de Educación 2006-2010.” Quito.
- Araujo P., M. Daniela. 2009. “The Influence of Performance Based Incentives on the Quality of the Chilean Education System.” Georgetown Public Policy Institute, Masters Dissertations, 2009. <https://repository.library.georgetown.edu/handle/10822/553637>
- Araujo P., M. Daniela. 2009. “The influence of performance-based incentives on the quality of the Chilean education system”. Working Paper Nº 4. Comparative Public Policy Center. Chile.

LANGUAGES

Spanish, Native speaker
English, C2 level CEFR
German, B2 level CEFR

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