

# MARIA DANIELA ARAUJO P.

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## CURRICULUM VITAE

### PERSONAL INFORMATION

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Citizenship: Ecuatorian  
Marital status: Married, one child (born in 2018)

### EDUCATION

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10/2016 - 12/2021 **Doctor in Economics (PhD equiv.), Chair of Empirical Microeconomics, Otto-Friedrich-Universität Bamberg, Bamberg, Germany**  
Dissertation: *The Impact of Teachers on Children's Human Capital Accumulation. Evidence from a Developing and a Developed Economy* (Supervisors: Prof. Dr. Guido Heineck, Prof. Dr. Bernd Süßmuth, Prof. Dr. Silke Anger)

08/2007 – 05/2009 **Master of Public Policy, McCourt School of Public Policy, Georgetown University, Washington D.C., US**  
Semester abroad at **Hertie School of Governance**, 2008, Berlin, Germany  
Mater Thesis: *The Influence of Performance Based Incentives on the Quality of the Chilean Education System* (Advisor: Robert Bednarzik, Ph.D.)

09/1999 – 10/2005 **Bachelor of Arts in Economics, School of Economics, Pontifical Catholic University of Ecuador, Quito, Ecuador**

### WORK EXPERIENCE

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Since 10/2016 **Otto-Friedrich-Universität Bamberg, Bamberg, Germany**  
**Researcher and lecturer at Chair of Empirical Microeconomics** (since 10/2019)  
Research fields: economics of education, development economics, experimental economics  
Teach courses on:

- Personality Psychology and Economics (Tutor)
- Experimental Program Evaluation in Development Economics
- Stata Advance Course (Econometric Methods for Causal Inference)
- Introduction to the Statistical Software Stata

**Doctoral Fellow at Bamberg Graduate School of Social Sciences (BAGSS)**  
Research fellowship funded by the German Research Foundation (DFG) and the Catholic Academic Exchange Service (KAAD)

- 05/2019 **Global Development Network (GDN)**, New Delhi - India, Washington D.C.-US  
*External Scientific and Technical Advisor*  
Advised “San Francisco de Quito” University (USFQ) in 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*”
- Provided inputs and suggestions to ensure feasibility and coherence of project design, activities undertaken and outputs achieved
  - Reviewed and provided written comments to USFQ and GDN on project reports submitted by USFQ team
  - Provided inputs to GDN for final project evaluation and donor report
- 01/2016 – 07/2016 **“Escuela Politécnica del Litoral” (ESPOL) University**, Guayaquil, Ecuador  
*Consultant in Economic Evaluation of Investment Projects*  
Advised ESPOL in execution of project “*New Methodologies of Financial and Economic Evaluation of Investment Projects*” commissioned by the Development Bank of Ecuador (BDE)
- Reviewed and diagnosed Cost-Benefit Analysis methodologies implemented by BDE to evaluate investment projects of Water and Sanitation, Transport and other public infrastructure
  - Researched best international practices of Cost-Benefit Analysis for public investment projects
  - Co-authored *Handbook of Financial and Economic Evaluation of Investment Projects* for BDE
- 01/2014 – 08/2015 **Development Bank of Ecuador (BDE)**, Quito, Ecuador  
*Planning Manager*  
Head 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 analyses
  - 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*
- Designed and supervised application of representative school survey in Quito to assess the provision of school supplies (meals, textbooks, uniforms) at beginning of 2013-2014 school year
  - Developed quantitative analysis to evaluate the “*Start of the school year in the Metropolitan District of Quito*”
  - Presented main results to Ecuador’s President and Cabinet of Ministers

- 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
  - Implemented Ministry's New Management Model
  - Designed New Model for school allocation, presented to Ecuador's President and Cabinet of Ministers.
  - Planned and executed national teacher and student assessments
  - Responsible for 50 employees
- Director of the Analysis and Information 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., US  
*Research Associate*
- Methodological and project management assistance in governance and anti-corruption projects, in particular reviewed 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 development projects financed with remnant resources from the Ecuadorian-Swiss Counter-Value Fund (09/2004– 12/2004)

## PROFESSIONAL TRAINING

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- 09/2021 **The Development of Cognitive and Non-Cognitive Skills in Childhood and Adolescence**, Summer School, Interdisciplinary Public Center at JGU Mainz and Collaborative Research Center TR 224 at Universities of Bonn and Mannheim, Online-Germany
- 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 with Prof. Donald Rubin**, Bamberg Graduate School of Social Science (BAGSS), Bamberg, Germany
- 10/2017 **Quantile Regression**, Institute for Employment Research (IAB), Nuremberg, Germany
- 10/2017 **Multilevel Structural Equation Modeling**, BAGSS, 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 with Prof. Jeffrey Wooldridge**, BGPE, Lichtenfeld, Germany
- 02/2017 **Structural Equation Modeling**, Leibniz Institute for Educational Trajectories (LifBi), Bamberg, Germany

## CONFERENCES

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- 01/2022 **2022 Lisbon Economic and Statistics of Education (LESE) Conference** hosted by Nova School of Business and Economics. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Lisbon, Portugal.
- 09/2021 **2021 Annual Conference of the Verein für Socialpolitik (German Economic Association)** hosted by University of Regensburg. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online –Regensburg, Germany
- 09/2021 **2021 Annual Conference of the European Association of Labour Economists (EALE)** hosted by University of Padua. Paper presentation "Teacher Effects in Germany: Evidence from Elementary School." Online-Padua, Italy
- 09/2021 **7th Potsdam PhD Workshop in Empirical Economics** hosted by University of Potsdam. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online – Potsdam, Germany

- 07/2021 **XXIX Meeting of the Economics of Education Association (AEDE)** hosted by University of Zaragoza. Paper presentation "Teacher Effects in Germany: Evidence from Elementary School." Online- Zaragoza, Spain
- 06/2021 **11th International Workshop on Applied Economics of Education.** Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online – Catanzaro, Italy
- 06/2021 **34th Annual Conference of the European Society for Population Economics (ESPE)** hosted by University of Barcelona School of Economics and Barcelona GSE. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online – Barcelona, Spain
- 04/2021 **2021 Annual Conference of the Scottish Economic Society** hosted by University of Glasgow. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online –Scotland, UK
- 01/2021 **2021 ASSA Annual Meeting. American Economic Association Poster Session** "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online – US
- 12/2020 **5th International NEPS Conference** organized by Leibniz Institute for Educational Trajectories (LifBi). Paper presentation "Teacher effects in Germany: Evidence from elementary school." Online – Bamberg, Germany
- 12/2020 **2020 RIDGE Forum: 13th Annual Meeting Impact Evaluation Network** organized by RIDGE-LACEA. Paper presentation "Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador." Online - Montevideo, Uruguay
- 10/2020 **Virtual PhD Workshop on Causal Analyses of School Reforms** organized by ifo Institute and Berlin Social Science Center (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 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** hosted by University of Barcelona. 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 Peru's Ministry of Education. Presentation "New Model of Education Management in Ecuador" Lima, Peru
- 10/2012 **Seminar on Information Management for School Improvement** organized by Colombia's Ministry of Education and EIGE. Presentation "New Model of Education 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 Ecuador's Ministry of Education. Rome, Italy
- 11/2011 **UNESCO's Technical Consultation Meeting "From Primary to Secondary Education: Lessons for Equity and Quality Improvements."** Delegate of Ecuador's Ministry of Education. 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 Ecuador's Ministry of Education. Santiago, Chile.

## PUBLICATIONS AND WORKING PAPERS

- Araujo P., M. D. and Quis, J.S. (2021) *Parents Can Tell! Evidence on Classroom Quality Differences in German Primary Schools*, BERG Working Paper Series. Bamberg: Bamberg Economic Research Group, Bamberg University. [Link](#)
- Araujo P., M. D., Heineck, G. and Cruz-Aguayo, Y. (2020) *Does Test-Based Teacher Recruitment Work in the Developing World? Experimental Evidence from Ecuador*, IZA Discussion Paper Series. IZA DP No. 13830. Bonn. [Link](#)
- Araujo P., M. D. (2019) *Measuring the Effect of Competitive Teacher Recruitment on Student Achievement: Evidence from Ecuador*, BERG Working Paper Series. No. 150. Bamberg: Bamberg Economic Research Group, Bamberg University. [Link](#)
- Araujo P., M. D. and Bramwell, D. (2015) *Cambios en la política educativa en Ecuador desde el año 2000*, in *Paper commissioned for the EFA Global Monitoring Report 2015, Education for All 2000-2015: achievements and challenges*. Paris: UNESCO. [Link](#)
- Cervantes, R., Araujo P., M. D., Salazar, P., Zambrano, S., Barreno, G. and Zúñiga, M. (2012) *Reordenamiento de la Oferta Educativa*. Quito: Ministerio de Educación del Ecuador. [Link](#)
- Araujo P., M.D. and Salazar P. (2010) *Hacia un Sistema de Observación Ciudadana. Informe de seguimiento al Plan Decenal de Educación 2006-2010*. Quito: Grupo FARO. [Link](#)
- Araujo P., M. D. (2009) *The influence of performance based incentives on the quality of the Chilean education system*, *Graduate Theses and Dissertations - Public Policy*. Georgetown University. [Link](#)

## ACADEMIC SCHOLARSHIPS AND AWARDS

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- 01/2019 – 09/2019 **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., US
- 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<sup>st</sup> Semester 2003-2004, 2<sup>nd</sup> Semester 2002-2003, 1<sup>st</sup> Semester 2001-2002, Quito, Ecuador

## LANGUAGES

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



March, 2022