DANIEL RODRIGUEZ-SEGURA

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EDUCATION

Ph.D., Education Policy — University of Virginia *2022*
Dissertation: "Essays on the Promotion of Foundational Literacy and Numeracy in Developing Countries"
M.A., Economics — University of Virginia *2018*
B.A., Economics (minor in Poverty Studies & Human Capabilities) — Washington & Lee University *2016*

PROFESSIONAL EXPERIENCE

World Bank Washington, DC
Young Professional – Education and Skills Global Practice for Europe and Central Asia *September 2025–Present*

- Leading and contributing to analytical work on education and skills policy in Europe and Central Asia, including early childhood education, education finance, foundational learning, refugee education, and AI-enabled learning tools.
- Designing large-scale randomized evaluations in Uzbekistan and Kosovo, including a SIEF-supported study of an AI-enabled Grade 5 mathematics platform and an early childhood education voucher program, with outcomes focused on learning, childcare access, child development, implementation, and women's labor market participation.
- Co-leading a World Bank study in Türkiye and Poland on how refugee households value education and skills programs, using discrete choice experiments to inform more effective policies for integration, self-reliance, and voluntary return.
- Leading an implementation completion review of a World Bank education project in Armenia, assessing results and lessons from investments in preschool access, school infrastructure, education data systems, curriculum reform, STEM resources, and higher education.

NewGlobe Washington, DC/Cambridge, MA
Vice President of Research, Measurement & Evaluation (RME) *March 2022–August 2025*

- Led the global Research, Measurement & Evaluation and Data Analytics teams with 15 staff across four countries while developing internal systems, training materials, and data infrastructure to scale research operations and enhance program execution across all government partnerships.
- Directed the design and implementation of experimental, quasi-experimental, and descriptive studies, embedding a robust feedback loop between research and program design to drive evidence-based improvements in participation, enrollment, and learning for over 1.8 million students across 5,000 schools.
- Deepened existing and prospective government partnerships through policymaker workshops and tailored research.

Director of Data Analytics *November 2021–March 2022*

- Founded and led the Data Analytics team that developed systems to analyze EMIS and assessment data, producing actionable reports and narratives that informed strategic audits, guided program design, and strengthened academic and operational strategies in public and private schools across seven low- and middle-income countries.

McKinsey & Company San Jose, Costa Rica
Junior Research Analyst, Latin America Public Sector Hub *June 2016–June 2017*

- Conducted quantitative and qualitative research on macroeconomics, financial inclusion, economic development, and education across Latin America, producing client-ready reports that clearly communicated complex analyses and actionable policy recommendations.

SELECTED CONSULTING EXPERIENCE

Africa Fellows for Education Program *February–August 2025*

- Provided research mentorship to Africa Fellows in Education, including reviewing academic paper drafts for journal submission and leading a two-day workshop in early 2025 on academic and policy writing as part of the program's capacity-building efforts.

Inter-American Development Bank *August 2024–March 2025*

- Drafted a technical concept note on AI in education for Latin America and the Caribbean, including policy recommendations based on literature review, analysis of applications, and expert consultations.

EdTech Hub *September 2024–August 2025*

- Reviewed a technical framework for evaluating cost-effectiveness across education portfolios, including on the choice of outcome metrics and reviewing articles on digital personalized interventions.

Uwezo Uganda *March 2023–March 2024*

- Provided technical assistance on data analysis and interpretation to support Uwezo Uganda's research initiatives. Authored policy briefs on gender, mother tongue instruction, and early childhood education.

World Bank *October 2021–March 2022*

- Supported the design of a quasi-experimental study to evaluate curriculum reform in STEM subjects in Armenia through a short-term consultancy.

World Bank *February–July 2021*

- Led the design, implementation, and data collection of a randomized controlled trial (RCT) in Kenya, evaluating various parental support interventions delivered via interactive voice recordings, through a short-term consultancy.

Amsterdam Institute for Global Health & Development (AIGHD) *February 2021–April 2022*

- Reviewed and analyzed the literature on results-based financing schemes in education, contributing to a report for the World Bank.
- Performed analyses for a quasi-experimental study on the impact of an agricultural intervention on farm productivity and food security in Kenya.

RISE Programme *July–December 2020*

- Drafted and authored a peer-reviewed publication on learning inequality measures in low- and middle-income countries.

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Rodriguez-Segura, D., & Tierney, S. The challenge of efficient instructional targeting in the presence of between-school heterogeneity. *Education Economics*, 2026.

Rodriguez-Segura, D., and Schueler, B. E. Assessors influence results: Evidence on enumerator effects and educational impact evaluations. *Journal of Development Economics*, 2023.

Rodriguez-Segura, D. A Closer Look at Reading Comprehension: Experimental Evidence from Guatemala. *International Journal of Educational Development*, 2022.

Rodriguez-Segura, D., and Schueler, B. E. Can learning be measured by phone? Evidence from Kenya. *Economics of Education Review*, 2022.

Schueler, B. & **Rodriguez-Segura, D.** A Cautionary Tale of Tutoring Hard-to-Reach Students in Kenya. *Journal of Research on Educational Effectiveness*, 2023.

Schueler, B., & **Rodriguez-Segura, D.** Can camp get you into a better secondary school? A field experiment of targeted instruction in Kenya. *Education Finance and Policy*, 2022.

Rodriguez-Segura, D. EdTech in developing countries: A review of the evidence. *The World Bank Research Observer*, 2021.

Rodriguez-Segura, D., & Kim, B. H. The last mile in school access: Mapping education deserts in developing countries. *Development Engineering*, 2021.

Rodriguez-Segura, D., Campton, C., Crouch, L., & Slade, T. S. Looking beyond changes in averages in evaluating foundational learning: Some inequality measures. *International Journal of Educational Development*, 2021.

Rodriguez-Segura, D. Strengthening early literacy skills through social promotion policies? Intended and unintended consequences in Costa Rica. *International Journal of Educational Development*, 2020.

WORKING PAPERS

Schipper, Y. & **Rodriguez-Segura, D.** Teacher Incentives and Attendance: Evidence from Tanzania. RISE Working Paper Series. 22/121.

Rodriguez-Segura, D., & Mbiti, I. M. Back to the Basics: Curriculum Reform and Student Learning in Tanzania. RISE Working Paper Series. 22/099.

WORKS IN PROGRESS

Rodriguez-Segura, D., Castleman, B., & Schueler, B. External validity of low-touch home-literacy support: Experimental evidence from Kenya and Nigeria. Manuscript in preparation.

Rodriguez-Segura, D., Cho, K., Kang, M., & Lu, P. Optimizing existing investment in education: GIS-based algorithms to reassign surplus teachers. Writing phase.

Rodriguez-Segura, D. How much numeracy growth is in a school year? Evidence from 13 education systems in low- and middle-income countries. Analysis phase.

SELECTED POLICY WRITING

Humphry, E., Maynzyuk, K., Dzhygyr, Y., Olmore, S., Naumenko, K., **Rodriguez-Segura, D.**, Pettersson, G., Alasino, E., & Konotopenko, Y. (2026). *Spending Better on Quality Early Childhood and Preschool Education in Ukraine: A Public Expenditure and Institutional Review for Reform and Reconstruction.* World Bank.

Arias Ortiz, E., Castro, N., Forero, T., Gambi, G., Giambruno, C., Perez-Alfaro, M., & **Rodriguez-Segura, D.** (2025). *AI & Education: Building the Future Through Digital Transformation*. Inter-American Development Bank. Technical note.

Rodriguez-Segura, D., & Whitcomb, C. (2025). *Ahead of the Game: Improving Education Systems Now to Prepare for Future Disruptions*. In E. King & D. Suryadarma (Eds.), *Building Resilience in Education Systems.* Asian Development Bank Institute.

Qureshi, M.A., **Rodriguez-Segura, D.**, Gaudet, M., Lu, P., Chen, D., Hur, J. *The State of Education in Islamabad Capital Territory*. Report prepared using primary data for the Government of the Islamabad Capital Territory, 2024.

Rodriguez-Segura, D., Mullane, M., Gaudet, M., Tierney, S., Lu, P., Chen, D. *The State of Education in Meghalaya*. Report prepared using primary data for the State Government of Meghalaya, India, 2024.

Rodriguez-Segura, D., Cho, K., Mullane, M., Khandelwal, A. *The State of Education in The Gambia*. Report prepared using primary data for the Government of The Gambia, 2024.

Rodriguez-Segura, D., Rugwizangoga, P., Lu, P. *Can Data-Informed Management and Structured Pedagogy Improve Learning? Evidence from Public Schools in Rwanda*. Government report prepared for the Government of Rwanda, 2023.

Rodriguez-Segura, D., Campton, C., Crouch, L., & Slade, T. S., *Addressing learning inequality in educational systems through foundational skills*. RISE Programme, 2021.

Rodriguez-Segura, D., Kim, B. H. *Identifying "education deserts": How GIS tools can bring us closer to universal school enrollment*. The Education Commission, 2021.

Rodriguez-Segura, D. *Cómo mejorar la educación primaria*. La Nación, Costa Rica, September 4, 2021.

Rodriguez-Segura, D., Crawfurd, L. *What works in Edtech?* Center for Global Development, 2020.

SELECTED CONFERENCE AND WORKSHOP PRESENTATIONS

Presenter – UNESCO Expert Meeting: "Smart Investment for Education in the Era of AI & Digital Transformation" 2025.

Workshop Leader – Africa Fellows in Education Program – The Art of Communicating Evidence: Using Research to Influence Policy, a two-day workshop, Washington, D.C. 2025.

Presenter – International Food Policy Research Institute (IFPRI) in Nairobi 2024.

Seminar leader – African School of Economics in Bénin: "Education research in LMICs, with a focus on Bénin" 2024.

Workshop leader – Government Capacity Building Workshop, Lagos State Universal Basic Education (SUBEB) 2024.

Presenter – Asian Economic Development Conference by the Asian Development Bank 2024.

Presenter – Leuven Economics of Education Research Conference 2023.

Presenter – Utafiti Elimu Tanzania; "Curriculum reform in Tanzania and student learning outcomes" 2022.

Presenter – Ghana National Education Week: Evidence Summit 2021.

Presenter – UKFIET – Closing plenary for "Towards Building Back Equitably" 2021.

Presenter – World Bank/UNICEF Webinar: "EdTech in Developing Countries: A Review of Experience and Lessons" 2021.

Panelist – RISE Programme – "Why Alignment for Foundational Skills Matters: Cognitive Science Insights and Real-World Implications", with Helen Abadzi, Julius Atuhurra, and Dzingai Mutumbuka 2020.

RESEARCH FUNDING AND FELLOWSHIPS

World Bank Strategic Impact Evaluation Fund (SIEF), "Randomized Evaluation of an AI-Enabled Mathematics Learning Platform in Uzbekistan," ($379,620), evaluation design lead *2026*

Center for Global Inquiry and Innovation, "Can Nudging Parents Improve Early Literacy Outcomes? Multinational Field Experiment in Kenya and Nigeria," ($2,000), Co-PI with Beth Schueler as PI *2021*

Walter Eugene Campbell Scholarship, University of Virginia *2021*

Innovations for Poverty Action (IPA), "Validating Academic Assessments for Hard-to-Reach Students in the Time of COVID-19," ($10,000), Principal Investigator, with Beth Schueler as Co-PI *2020–21*

Dean's Fellowship, University of Virginia *2019–22*

Graduate School of Arts and Sciences Fellowship, University of Virginia *2017–18*

Johnson Merit Scholarship, Washington & Lee University *2012–16*

Founders' Fund Scholarship at Lincoln School, Costa Rica *2008–12*

OTHER INFORMATION

Software: Stata, R, QGIS, Google Looker, GitHub, LaTeX.

Languages: Spanish (native), English (fluent), Portuguese (fluent), Italian (fluent), French (proficient).

Citizenship: Costa Rica, United States.

Location: Washington, D.C.

Last updated: July 2026