

Karina G. Diaz

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University of Pennsylvania Graduate School of Education
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EDUCATION

Teachers College, Columbia University

Ph.D. Measurement, Evaluation, & Statistics 2021

Dissertation: *Multiple Imputation for Handling Missing Data of Covariates in Meta-regression*

Committee: Elizabeth Tipton (chair), Bryan Keller, James Corter

M.A. Economics and Education 2016

Universidad de Chile

M.S. Industrial Engineering (*Highest Distinction Achievement recipient*) 2012

B.S. Industrial Engineering 2010

FELLOWSHIPS & AWARDS

H.M. Walker Scholarship

Teachers College, Columbia University 2019 - 2020

Graduate Assistant Scholarship

Teachers College, Columbia University 2017 - 2020

Chilean National Scholarship Program for Graduate Studies – PhD. Studies

CONICYT, Chile 2017 - 2021

Education Pioneers Graduate School Fellowship

Charter Schools Institute, The State University of New York Summer 2015

Teachers College Scholarship

Teachers College, Columbia University 2014 - 2015

Chilean National Scholarship Program for Graduate Studies – M.A. Studies

CONICYT, Chile 2014 - 2016

PUBLICATIONS

Hedges, L. V., Tipton, E., Zejnullahi, R., & **Diaz, K.G.** Effect sizes in ANCOVA and difference-in-differences designs. *British Journal of Mathematical and Statistical Psychology*. In Press

Luesse, H. B., Luesse, J. E., Lawson, J. & **Diaz, K.G.** The Academy for Teachers Professional Development Program – A Model to Support Teacher Retention. *Cogent Education*. In Press

Schauer, J. M., Lee, J., **Diaz, K.G.**, & Pigott, T. D. On the bias of complete- and available-case meta- regressions with missing covariates. *Research Synthesis Methods*. <https://doi-org.proxy.library.upenn.edu/10.1002/jrsm.1558> 2022

Perez Mejias, P., McAllister, D.E., Diaz, K.G. , & Ravest, J. A Longitudinal Study of the Gender Gap in Mathematics Achievement: Evidence from Chile. <i>Educational Studies in Mathematics</i> . https://doi.org/10.1007/s10649-021-10052-1	2021
Schauer, J. M., Diaz, K.G. , Pigott, T. D., & Lee, J. Exploratory Analyses for Missing Data in Meta-Analyses: A Tutorial. <i>Alcohol and Alcoholism</i> , agaa144. https://doi.org/10.1093/alcalc/agaa144	2021
Araya, R., & Diaz, K. Implementing Government Elementary Math Exercises Online: Positive Effects Found in RCT under Social Turmoil in Chile. <i>Education Sciences</i> , 10(9), 244. https://doi.org/10.3390/educsci10090244	2020
Diaz Yanez, K. , Ravest Tropa, J., & Queupil Quilamán, J. (2019). Gender Gap in University Admission Test in Chile: What is Happening at the Top and Bottom of the Test Score Distribution? <i>Pensamiento Educativo. Revista de Investigación Educativa Latinoamericana</i> , 56(1), 1-19. https://doi.org/10.7764/pel.56.1.2019.5	2019

PAPERS IN PROGRESS

Diaz, K.G. Compatible Imputation of Missing Covariates in Meta-Regression of Dependent Effect Sizes.	In Progress
Diaz, K.G. Multiple Imputation for Handling Missing Covariates in Meta-Regression: Practical Tutorial.	In Progress
Hedges, L. V., Tipton, E. & Diaz, K.G. Effect sizes in factorial designs.	In Progress
Hoyt, M. A., Stanton, A. L., Diaz, K.G. , Llave, K., Wang, A. W., Darabos, K., Coping through emotional approach for mental and physical health: A meta-analysis.	In Progress

CONFERENCE PRESENTATIONS & INVITED TALKS

Fink, R., Bowden, B., Diaz, K. G. , Spillane, M. & Gray, A. <i>Can early literacy curriculum delivered in kindergarten affect children's learning behaviors long term?</i> Poster presented at the SREE Annual Conference, Arlington, Virginia.	2022
Diaz, K. G. <i>Compatible imputation of missing covariates in meta-regression of dependent effects sizes.</i> Paper presented at the SRSM Annual Meeting, Portland, Oregon.	2022
Mejias, P. & Diaz, K. G. <i>A Multi-group Latent Growth Model of the Gender Gap in Math Achievement: Evidence from Chile.</i> Paper presented at the American Educational Research Association Annual Meeting, Toronto, Canada.	2019
Diaz, K.G. & Ravest, J. <i>Measuring Competencies over Curricular Contents. Factors Related to Outcomes in Standardized Test in Chile.</i> Presented at the American Educational Research Association Annual Meeting, New York, NY.	2018
Diaz, K.G. & Ravest, J. <i>Relationships between gender gap in academic performance and measures of gender equality: Evidence from Chile.</i> Paper presented at the Comparative and International Education Society, 62 nd Annual Conference, Mexico City, Mexico.	2018

- Diaz, K.G.** & Bianchetti, R. *Teacher Formation and Certification in Chile: Perpetuating Inequality?* Presented at the Comparative and International Education Society, 61st Annual Conference, Atlanta, GA. 2017
- Diaz, K.G.** *Equity and Retention in Higher Education*. Invited talk at Certificate Program in Higher Education for Institutional Management dictated by Pontificia Universidad Católica de Chile, Santiago, Chile. 2017

TEACHING

Instructor

- Introduction to Statistics**
Graduate School of Education, University of Pennsylvania Fall 2022
- Introduction to Meta-analysis**
Graduate School of Education, University of Pennsylvania Summer 2022
- Economics I**
School of Engineering and Business, Universidad de las Americas 2012 - 2014
- Teaching Assistant*
- Applied Regression Analysis**
Human Development Department, Teachers College, Columbia University Fall 2018
- Psychological Measurement**
Human Development Department, Teachers College, Columbia University Fall 2018
- Economics**
School of Engineering, Universidad de Chile 2010 – 2011

RESEARCH & PROFESSIONAL EXPERIENCE

- CPRE at the University of Pennsylvania Graduate School of Education**
Senior Research Specialist 2021 - Present
- World Bank Group**
Short Term Consultant 2021 - Present
- STEEP Center at the Institute for Policy Research, Northwestern University**
Graduate Research Assistant 2020 - 2021
- Center for Technology and School Change, Teachers College, Columbia University**
Graduate Research Assistant 2017 - 2021
- Center for Advanced Research in Education, Universidad de Chile**
Research Assistant 2017 - 2020
- DEMRE, Universidad de Chile**
Researcher at Analysis and Development Department 2016 - 2017
- Universidad de Las Americas**
Director of Content Development, School of Engineering and Business 2012 – 2014

LEADERSHIP & SERVICE

Volunteer Mentorship

Fundación Mercator

Leadership academy mentor and volunteer coordinator

2009 - 2012

Professional Service

Chilean Education Researchers Network (RIECH)

Global committee coordinator - Annual RIECH meeting at AERA, Toronto, Canada

2018 - 2019

Professional Society Membership

Society for Research Synthesis Methodology (SRSM)

American Education Research Association (AERA)

Chilean Education Researchers Network (RIECH)

LANGUAGE & TECHNICAL SKILLS

Spanish: native speaker.

Proficient in HLM, R, SPSS, Mplus, Stata and SAS Database analysis.