

# Karina G. Diaz

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## EDUCATION

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### Teachers College, Columbia University

Ph.D. Measurement, Evaluation, & Statistics

Dissertation: *Multiple Imputation for Handling Missing Data of Covariates in Meta-regression* (expected) 2021

Committee: *Elizabeth Tipton (chair), Bryan Keller, Young-Sun Lee*

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

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### 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 – Ph.D. 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

## RESEARCH & PROFESSIONAL EXPERIENCE

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### Institute for Policy Research, Northwestern University

Graduate Research Assistant

2020 - Present

### Center for Technology and School Change, Teachers College, Columbia University

Graduate Research Assistant

2017 - Present

### 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

## PUBLICATIONS

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- Araya, R., & **Diaz, K.** Implementing Government Elementary Math Exercises Online: Positive Effects Found in RCT under Social Turmoil in Chile. *Education Sciences*, 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? *Pensamiento Educativo. Revista de Investigación Educativa Latinoamericana*, 56(1), 1-19. <https://doi.org/10.7764/pel.56.1.2019.5> 2019

## PAPERS IN PROGRESS

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- Hedges, L.V., Tipton, E., Zejnullahi, R., & **Diaz, K.G.** Adjusting for covariates with the standardized mean difference effect size. In Preparation
- Schauer, J. M., **Diaz, K.G.**, Lee, J., & Pigott, T. D. On the bias of complete- and available-case meta- regressions with missing covariates. In Preparation
- Schauer, J. M., **Diaz, K.G.**, & Pigott, T. D. Exploratory analyses for missing data in meta-analyses. *Alcohol and Alcoholism*. Under Review
- Perez Mejias, P., McAllister, D., **Diaz, K.G.**, & Ravest Tropa, J. A Longitudinal Study of the Gender Gap in Math: Evidence from Chile. *Educational Studies in Mathematics*. Under Review

## CONFERENCE PRESENTATIONS & INVITED TALKS

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- Mejias, P. & **Diaz, K. G.** *A Multi-group Latent Growth Model of the Gender Gap in Math Achievement: Evidence from Chile*. Paper presented at the American Educational Research Association Annual Meeting, Toronto, Canada. 2019
- Diaz, K.G.** *Evolution and effects of gender gaps in the higher education transition*. Invited talk at Equity and Inclusion of Students in Higher Education Seminar hosted by Pontificia Universidad Catolica de Valparaiso, Vina del Mar, Chile. 2018
- Diaz, K.G.** & Ravest, J. *Measuring Competencies over Curricular Contents. Factors Related to Outcomes in Standardized Test in Chile*. Presented at the American Educational Research Association Annual Meeting, New York, NY. 2018
- Diaz, K.G.** & Ravest, J. *Relationships between gender gap in academic performance and measures of gender equality: Evidence from Chile*. Paper presented at the Comparative and International Education Society, 62<sup>nd</sup> 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, 61<sup>st</sup> 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 Catolica de Chile, Santiago, Chile. 2017

**Diaz, K.G.**, Araya, R. & Gormaz, R. *Gender gap in SIMCE 4<sup>th</sup> grade results. Narrowing the gap at the top and bottom ends of the distribution?* Presented at the IV Interdisciplinary Conference of Research in Education (CIIE), Santiago, Chile. 2017

## TEACHING

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### *Instructor*

#### **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

## LEADERSHIP & SERVICE

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### *Volunteer Mentorship*

#### **Fundación Mercator**

Leadership academy mentor and volunteer coordinator 2009 - 2012

#### **Universidad de Chile**

STEM tutor for middle and high school students 2006 - 2012

### *Professional Service*

#### **Chilean Education Researchers Network (RIECH)**

Global committee coordinator - Annual RIECH meeting at AERA, Toronto, Canada 2018 - 2019

### *Journal Referee Service*

*Pensamiento Educativo, Latin American Educational Research Journal*

### *Professional Society Membership*

American Education Research Association (AERA)

Chilean Education Researchers Network (RIECH)

## LANGUAGE & TECHNICAL SKILLS

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Spanish: native speaker.

Proficient in HLM, R, SPSS, Mplus, and SAS Database analysis; Matlab engineering software.