

# Karina G. Diaz-Yanez

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## Education

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### TEACHERS COLLEGE, COLUMBIA UNIVERSITY

Ph.D. Measurement, Evaluation and Applied Statistics 2021  
Dissertation: *Multiple Imputation for Handling Missing Data of Covariates in Meta-regression* (expected)  
Committee: Elizabeth Tipton, Bryan Keller, Young-Sun Lee

M.A. Economics and Education 2016

### UNIVERSIDAD DE CHILE

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

B.S. Industrial Engineer 2010

## Fellowships & Awards

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### H.M. Walker Scholarship

Teachers College, Columbia University 2019 - 2020

### Grant Graduate Assistantship

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

## 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

**UNIVERSIDAD DE LAS AMERICAS**

Director of Content Development, School of Engineering and Business

2012 - 2014

## Publications

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Araya, R., & **Diaz, K.** (2020). 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>

**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>

## Papers in Progress

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Hedges, L.V., Tipton, E., Zejnullahi, R., & **Diaz, K.G.** (in preparation-). Adjusting for covariates with the standardized mean difference effect size.

Schauer, J. M., **Diaz, K.G.**, Lee, J., & Pigott, T. D. (in preparation-). On the bias of complete- and available-case meta- regressions with missing covariates.

Schauer, J. M., **Diaz, K.G.**, & Pigott, T. D. (under review-). Exploratory analyses for missing data in meta-analyses. *Alcohol and Alcoholism*.

Perez Mejias, P., McAllister, D., **Diaz, K.G.**, & Ravest Tropa, J. (under review-). A Longitudinal Study of the Gender Gap in Math: Evidence from Chile. *Educational Studies in Mathematics*.

## Conference Presentations & Invited Talks

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Mejias, P. & **Diaz, K. G.** (2019). *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.

**Diaz, K.G.** (2018). *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.

**Diaz, K.G.** & Ravest, J. (2018). *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.

**Diaz, K.G.** & Ravest, J. (2018). *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.

**Diaz, K.G.** & Bianchetti, R. (2017). *Teacher Formation and Certification in Chile: Perpetuating Inequality?* Presented at the Comparative and International Education Society, 61st Annual Conference, Atlanta, GA.

**Diaz, K.G.** (2017). *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.

**Diaz, K.G.**, Araya, R. & Gormaz, R. (2017). *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 (CIE), Santiago, Chile.

## Teaching

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### **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 (PEL)*, *Journal of Latin American Educational Research*

### **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 Java and SQL Programming; HLM, R, SPSS, Mplus, and SAS  
Database analysis; Matlab engineering software.