

## Yadira Elizabeth Peralta Torres - Curriculum Vitae

Assistant Professor

Department of Economics

Center for Research and Teaching in Economics (CIDE) - Región Centro

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RESEARCH INTERESTS      Longitudinal data analysis, Bayesian statistical methods, non-linear mixed-effects models, structural equation modeling, scale validation, factor analysis

EDUCATION      **University of Minnesota**, Minneapolis, MN

Ph.D., Educational Psychology, Quantitative Methods in Education (QME) track, November 2018

- Area of Concentration: Statistics
- Thesis Topic: *Bayesian modeling of associations in bivariate mixed-effects models for segmented growth curves*
- Advisors: Mark Davison, Ph.D. and Nidhi Kohli, Ph.D.

**Center for Research and Teaching in Economics (CIDE)**, Mexico City, Mexico

M.S., Economics, July 2009

- Thesis Topic: *The impact of migration to the United States on the education of Mexican children*
- Advisor: Robert Duval Hernández, Ph.D

**Autonomous University of the State of Hidalgo (UAEH)**, Pachuca, Hidalgo, Mexico

B.S., *Licenciatura* in Applied Mathematics, area of application: Economics, December 2005

- Thesis Topic: *Time allocation of a child in education and work: a microeconomic analysis*
- Advisors: Fernando Barrera Mora, Ph.D. and Hector V. Robles Vásquez, Ph.D

EMPLOYMENT      **Assistant Professor**      April 2020 - Current  
Department of Economics  
Center for Research and Teaching in Economics (CIDE) - Región Centro  
Aguascalientes, Ags, Mexico

**Visiting Professor**      Dec 2018 - April 2020  
Program for Longitudinal Studies, Experiments and Surveys  
Center for Research and Teaching in Economics (CIDE) - Región Centro  
Aguascalientes, Ags, Mexico

**Statistical Consultant**      Sept 2018 to Nov 2018  
Program evaluation of Modelo ABCD from CONAFE  
Centro de Estudios Educativos  
Mexico City, Mexico

**Statistical Consultant**      July 2018 to Aug 2018  
Validity evidence analyses for FastBridge Learning measures  
FastBridge Learning  
Minneapolis, Minnesota, USA

**Graduate Research Assistant**      Jun 2013 to May 2018  
Algebra Instruction at Community Colleges: An Exploration of its Relationship with Student Success  
NSF-funded study, Educational Psychology Department, University of Minnesota

EngrTEAMS Project: Engineering to Transform the Education of Analysis, Measurement and Science in a Team-Based Targeted Mathematics-Science Partnership  
NSF-funded study, STEM Education Center, University of Minnesota

Research Program on Equity and Inclusion in Health Care, CHANGES (Contributions to Racial Bias in Medical Student Judgment and Decision-Making),  
NIH-funded study, Mayo Clinic

Teacher Education Study in Mathematics Project,  
Michigan State University

**Deputy Director of Statistical Analysis** Jun 2010 to Jun 2012  
Direction of Educational Indicators,  
National Institute for Educational Assessment and Evaluation of Mexico (INEE)  
Mexico City, Mexico

**Researcher** Aug 2009 to May 2010  
Mexicanos Primero Visión 2030 A.C., Mexico City, Mexico

**Graduate Research Assistant** Apr 2009 to Jul 2009  
Economics Department,  
Center for Research and Teaching in Economics (CIDE), Mexico City, Mexico  
Supervisor: Alfredo Cuecuecha, Ph.D.

REFEREED  
JOURNAL  
PUBLICATIONS

1. **Peralta, Y.**, Aguilar-Rodríguez, A., González Dávila, O., & Miranda, A. (2021). Dimensionality and reliability assessment of a field implementation of the Big Five in Mexican Children. *Journal of Psychoeducational Assessment*, Advance online publication. <https://doi.org/10.1177/07342829211002581>
2. Alarid-Escudero, F., Gracia, V., Luviano, A., **Peralta, Y.**, Reitsma, M. B., Claypool, A. L., Salomon, J. A., Studdert, D. M., Andrews, J. R., & Goldhaber-Fiebert, J. D. (2021, *accepted for publication*). Dependence of Covid-19 policies on end-of-year holiday contacts in Mexico City Metropolitan Area: A Modeling Study. *Medical Decision Making*.
3. **Peralta, Y.**, Kohli, N., Lock, E. F., & Davison, M. L. (2020). Bayesian modeling of associations in bivariate piecewise linear mixed-effects models. *Psychological Methods*, Advance online publication. <http://dx.doi.org/10.1037/met0000358>
4. **Peralta, Y.**, Kohli, N., Strom, A., Duranczyk, I., Mesa, V., & Watkins, L. (2020). A psychometric analysis of the Algebra and Precalculus Concept Readiness assessment. *Journal of Psychoeducational Assessment*, *38*(3), 321-336. doi: 10.1177/0734282919846019
5. Kohli, N., **Peralta, Y.**, & Bose, M. (2019). Piecewise random-effects modeling software programs. *Structural Equation Modeling: A Multidisciplinary Journal*, *26*(1), 156-164. doi:10.1080/10705511.2018.1516507
6. Guzey, S. S., Ring-Whalen, E. A., Harwell, M., & **Peralta, Y.** (2019). Life STEM: A case study of life science learning through engineering design. *International Journal of Science and Mathematics Education*, *17*(1), 23-42. doi:10.1007/s10763-017-9860-0
7. **Peralta, Y.**, Kohli, N., & Wang, C. (2018). A primer on distributional assumptions and model linearity in repeated measures data analysis. *The Quantitative Methods for Psychology*, *14*(3), 199-217. doi:10.20982/tqmp.14.3.p199
8. Kohli, N., **Peralta, Y.**, Zopluoglu, C., & Davison, M. L. (2018). A note on estimating single-class piecewise mixed-effects models with unknown change points. *International Journal of Behavioral Development*, *42*(5), 518-524. doi: 10.1177/0165025418759237

9. **Peralta, Y.**, Moreno, M., Harwell, M., Guzey, S. S., & Moore, T. J. (2018). Going beyond the mean: Using variances to enhance understanding of the impact of educational interventions for multilevel models. *Educational Research Quarterly*, *41*(3), 39-71.
10. Alarid-Escudero, F., Maclehose, R. F., **Peralta, Y.**, Kuntz, K. M., Enns, E. A. (2018). Nonidentifiability in model calibration and implications to medical decision making. *Medical Decision Making*, *38*(7), 810-821. doi:10.1177/0272989X18792283
11. Harwell, M., Kohli, N., & **Peralta-Torres, Y.** (2018). A survey of reporting practices of computer simulation studies in statistical research. *The American Statistician*, *72*(4), 321-327. doi:10.1080/00031305.2017.1342692
12. Harwell, M., Kohli, N., & **Peralta, Y.** (2017). Experimental design and data analysis in computer simulation studies in the behavioral sciences. *Journal of Modern Applied Statistical Methods*, *16*(2), 3-28. doi:10.22237/jmasm/1509494520
13. Guzey, S. S., Harwell, M., Moreno, M., **Peralta, Y.**, & Moore, T. J. (2017). The impact of design-based STEM integration curricula on student achievement in engineering, science, and mathematics. *Journal of Science Education and Technology*, *26*(2), 207-222. doi:10.1007/s10956-016-9673-x

UNDER  
PEER-REVIEW

1. **Peralta, Y.**, Kohli, N., Kendeou, P., Lock, E. F., & Davison, M. L. (under review). Modeling the interrelation of reading and mathematics achievement trajectories: A bivariate piecewise model case.
2. Jia, H., **Peralta, Y.**, & Harwell, M. (under review). The influence of number of clusters and level-2 residual distribution on multilevel parameter estimates.

TECHNICAL  
REPORTS

1. **Peralta, Y.**, & Kohli, N. (2017). Psychometric evaluation of student- and teacher-related scales. Project: Algebra instruction at Community Colleges: An exploration of its relationship with student success. Minneapolis, MN: University of Minnesota, Department of Educational Psychology.

BOOK CHAPTERS  
AND OTHER  
PUBLICATIONS

1. Rodríguez-Martínez, L. Y., & **Peralta, Y.** (2022). Use of educational resources and socioemotional aspects during the COVID-19 pandemic: The experience of teachers and parents in Aguascalientes, Mexico. In Cáceres Reche, M. P., López Núñez, J. A., Arias Romero, S. M., & Ramos Navas-Parejo, M. (Eds.), *Analysis of active methodologies and ICT for teaching and learning* (282-290). Dykinson, S.L. ISBN: 978-84-1122-033-0
2. **Peralta, Y.**, & Tatto, M. (2018). Preparing high quality mathematics primary teachers: Exploring program strategies and standards in the United States, Russia, Poland and Chinese Taipei. In Tatto, M. T., Rodriguez, M. C., Smith, W. M., Reckase, M. D., & Bankov, K. Editors (Eds.), *Exploring the mathematical education of teachers using the TEDS-M data* (pp. 31-68). Cham, Switzerland: Springer International Publishing AG. doi:10.1007/978-3-319-92144-0
3. Robles H. (Coord.); Hernández J. M., **Peralta-Torres Y.**, Zendejas L., et al. (2012) “*Panorama Educativo de México 2011: Educación Básica y Media Superior.*” Mexico City, Mexico: National Institute for Educational Assessment and Evaluation (INEE). ISBN: 978-607-7675-42-6

4. Robles H. (Coord.); Hernández J. M., **Peralta-Torres Y.**, Zendejas L., et al. (2012) “*Panorama Educativo de México 2010: Educación Básica y Media Superior.*” Mexico City, Mexico: National Institute for Educational Assessment and Evaluation (INEE). ISBN: 978-607-7675-35-8
5. Robles H., **Peralta-Torres Y.**, Hernández J. M. (2011) *Universalización de la cobertura* In: *La educación media superior en México.* Mexico City, Mexico: National Institute for Educational Assessment and Evaluation (INEE).
6. *Contra la pared: Estado de la Educación en México 2009.* Mexico City, Mexico: Mexicanos Primero, 2009.

FUNDING

- *Co-Principal Investigator*, “Promoting better public policies on security and risk reduction for the imprisoned population in the context of COVID-19”, Open Society Foundation (OSF) through the Drug Policy Program, CIDE, 10/2020-09/2021.
- *Co-Principal Investigator*, “Diagnosis of the pedagogical model “Aprende en casa” in elementary education and post-crisis recommendations for the benefit of teaching-learning processes”, (with Yahaira Rodríguez, PI), CONACYT-COVID Project, 07/2020-12/2020.
- *Research Team*, “Analysis of economic impact of the COVID-19 contingency in households in Aguascalientes”, CONACYT-COVID Project, 07/2020-12/2020.
- *Co-Principal Investigator*, “Structural changes in the dynamics of lethal violence in Mexico over time”, Drug Policy Program, CIDE, 02/2020-01/2021.

TEACHING  
EXPERIENCE

Instructor at Center for Research and Teaching in Economics (CIDE) - Región Centro, Aguascalientes, Mexico

- Statistics Fall 2021  
Master in Environmental Economics
- Correlated Data Analysis: Multilevel and Longitudinal Models Fall 2020 & 2022  
Masters in Methods for Public Policy Analysis (METPOL)
- Introduction to the Design of Measurement Instruments and Validity Issues Fall 2020 & 2022  
Masters in Methods for Public Policy Analysis, Masters in Administration and Public Policy, & PhD in Public Policy  
Co-instructor
- Quantitative Methods II Fall 2020 & 2021  
Masters in Administration and Public Policy  
Co-instructor
- Quantitative Methods I (Econometrics I) Spring 2020 & 2021  
Bachelors in Public Policy
- Applied Mathematics Fall 2019  
Masters in Methods for Public Policy Analysis (METPOL)

Workshops and short courses

- Longitudinal data modeling and measurement of associations over time in segmented linear trajectories May 2019  
National Institute for Educational Assessment and Evaluation (INEE)  
Mexico City, Mexico

Guest Lecturer at the Department of Educational Psychology, University of Minnesota

- EPsy 8266: Statistical Analysis Using Structural Equations Methods Spring 2018  
Number of lectures: 1  
Instructor: Nidhi Kohli, Ph.D.
- EPsy 8282: Statistical Analysis of Longitudinal Data Fall 2017  
Number of lectures: 1  
Instructor: Andrew Zieffler, Ph.D.
- EPsy 8282: Statistical Analysis of Longitudinal Data Fall 2016  
Number of lectures: 2  
Instructor: Nidhi Kohli, Ph.D.
- EPsy 8268: Hierarchical Linear Modeling in Educational Research Fall 2016  
Number of lectures: 1  
Instructor: Michael R. Harwell, Ph.D.
- EPsy 8282: Statistical Analysis of Longitudinal Data Spring 2015  
Number of lectures: 3  
Instructor: Nidhi Kohli, Ph.D.

Teaching Assistant

- EPsy 8266: Statistical Analysis Using Structural Equations Methods Spring 2018  
Instructor: Nidhi Kohli, Ph.D.  
Number of students = 29  
Department of Educational Psychology, University of Minnesota
- EPsy 8268: Hierarchical Linear Modeling in Educational Research Fall 2014  
Instructor: Michael R. Harwell, Ph.D.  
Number of students = 33  
Department of Educational Psychology, University of Minnesota

#### HONORS AND AWARDS

Fellowship Awards

- Hauge Graduate Fellowship in Educational Psychology 2016-2017  
College of Education and Human Development, University of Minnesota
- International Student and Scholar Services 2012-2017  
Scholarship for doctoral studies, University of Minnesota
- Fulbright-Garcia Robles Scholarship for doctoral studies 2012-2015
- Mexico's National Council on Science and Technology (CONACYT) 2012-2016  
Fellowship for doctoral studies
- Mexico's National Council on Science and Technology (CONACYT) 2007-2009  
Fellowship for master's degree studies

Honors

- Mexican National System of Researchers (SNI) - Level 1 2020  
Mexico's National Council on Science and Technology (CONACYT)
- Research Award, Quantitative Methods in Education program 2017  
Department of Educational Psychology, University of Minnesota
- Doctoral Dissertation Fellowship nomination 2017  
Department of Educational Psychology, University of Minnesota
- Phi Kappa Phi Honor Society member 2013
- Mexico's Children Olympics of Knowledge, winner in the category of elementary rural schools in the state of Veracruz 1994-1995

#### CONFERENCE PRESENTATIONS

Refereed Conference Oral Presentations

- Rodríguez-Martínez, L. Y., & **Peralta, Y.** (2021, December). Participants in the symposium *Education and Covid-19: School actors and research experiences in*

Mexico. Paper to be presented at the annual meeting of the International Congress on Education and Innovation, Florence, Italy.

- Martínez-Cruz, A. L., **Peralta, Y.**, & Gracia-Olvera, V. (2019, November). *Using stated preference responses to address endogeneity in the single side travel cost equation*. Annual meeting of the Latin American and Caribbean Economic Association and the Latin American Meeting of the Econometric Society (LACEA-LAMES), Puebla, Mexico.
- **Peralta, Y.**, Kohli, N., Lock, E., & Davison, M. (2019, July). *Bayesian modeling of bivariate associations using piecewise linear mixed-effects models*. International Meeting of the Psychometric Society (IMPS), Santiago, Chile.
- Hao, J., **Peralta, Y.**, & Harwell, M. R. (2019, April). *The influence of number of clusters and level-2 residual distributions on multilevel parameter estimates*. Annual meeting of the American Educational Research Association (AERA), Toronto, Canada.
- Tatto, M. T. & **Peralta, Y.** (2019, April). *The role of program standards and strategies in the preparation of mathematics primary teachers*. Annual meeting of the American Educational Research Association (AERA), Toronto, Canada.
- Guzey, S., **Peralta, Y.**, Wei, S., Harwell, M., Moore, T., & Lie, R. (2018, April). *The impact of intense professional development on student STEM achievement and attitudes towards STEM*. Annual meeting of the American Educational Research Association (AERA), New York, NY.
- **Peralta, Y.** (2018, March). *Relationships over time between mathematics and reading skills at different stages of development*. First meeting of CONACYT fellows in North America, Washington, DC.
- Yeazel, M. W., Hardeman, R., Phelan, S., **Peralta, Y.**, & van Ryn, M. (2017, November). *Medical school experiences associated with primary care or specialty care career choice*. North American Primary Care Research Group (NAPCRG), Montreal, Canada.
- Alarid-Escudero, F., Enns, E.A., Maclehose, R., **Peralta, Y.**, & Kuntz, K.M. (2017, October). *Non-identifiability in model calibration and implications for medical decision making*. Society of Medical Decision Making (SMDM), Pittsburg, PA.
- **Peralta, Y.**, Guzey, S., Harwell, M., & Moore, T. (2017, April). *STEM integration curricula impact on achievement in STEM: Year 2 results of an NSF-funded project*. Annual meeting of the American Educational Research Association (AERA), San Antonio, TX.
- Harwell, M., Guzey, S., Moore, T., **Peralta, Y.**, & Song, W. (2016, October). *The impact of STEM-integrated curricula on STEM achievement: Year 2 results of an NSF-funded project*. Northern Rocky Mountain Educational Research Association (NRMERA), Reno, NV.
- **Peralta, Y.**, Kohli, N., & Wang, C. (2016, April). *Longitudinal data analysis using generalized nonlinear mixed-effects modeling framework*. Annual meeting of the American Educational Research Association (AERA), Washington, DC.
- Guzey, S., Moore, T., Harwell, M., Moreno, M., & **Peralta, Y.** (2016, April). *The impact of design-based engineering curriculum on student achievement in engineering, science and mathematics*. Annual meeting of the American Educational Research Association (AERA), Washington, DC.
- Guzey, S., Moore, T., Harwell, M., Moreno, M., & **Peralta, Y.** (2016, April). *The effects of engineering integration on student achievement in science, engineering, and mathematics*. Annual international conference of the National Association for Research in Science Teaching (NARST), Baltimore, MA.
- **Peralta, Y.**, Kohli, N., & Wang, C. (2016, March). *A general approach to longitudinal data analysis for different types of data*. Graduate Student Research Day, Department of Educational Psychology, University of Minnesota, Minneapolis, MN.
- Tatto, M. T. & **Peralta Y.** (2015, March). *A perennial paradox? Teacher education quality assurance policies and the preparation of diverse future teachers*. Comparative

and International Education Society (CIES), Washington, DC.

Poster Presentations

- **Peralta, Y.**, Kohli, N., Davison, M. L. & Lock, E. F. (2020, Apr 17 - 21) *Modeling associations between mathematics and reading achievement trajectories: A bivariate piecewise model case*. Annual meeting of the American Educational Research Association (AERA), San Francisco, CA. <http://tinyurl.com/r33m3za> (Conference Canceled).
- Jia, H., **Peralta, Y.** & Harwell, M. R. (2020, Apr 17 - 21). *A Monte Carlo study of confidence interval coverage for variance components in multilevel models*. Annual meeting of the American Educational Research Association (AERA), San Francisco, CA. <http://tinyurl.com/qnsfudf> (Conference Canceled).
- **Peralta, Y.**, Harwell, M., Guzey, S., Moreno, M., & Moore, T. (2017, April). *Normality vs. non-normality: Enhancing understanding of engineering interventions and its impact for multilevel models with variance heterogeneity*. Annual meeting of the American Educational Research Association (AERA), San Antonio, TX.
- Alarid-Escudero, F., Enns, E. A., **Peralta-Torres, Y. E.**, Maclehose, R., & Kuntz, K. M. (2015, September). *Calibration of piecewise Markov models using a Bayesian change-point analysis*. International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 5th Latin American Conference, Santiago, Chile.
- **Peralta, Y.** & Zieffler, A. (2014, March). *Do knowledge and beliefs matter? A profile of future primary mathematics teachers*. Graduate Student Research Day (GSRD) 2014, Department of Educational Psychology, University of Minnesota, Minneapolis, MN.

INVITED  
PRESENTATIONS

- **Peralta, Y.** (2021, June). *Is the relationship between academic achievement in math and reading two-dimensional?*. Research seminar at Center for Research and Teaching in Economics (CIDE)-Región Centro, Aguascalientes, Aguascalientes, Mexico.
- Rodríguez-Martínez, L. Y., & **Peralta, Y.** (2021, June). *Diagnosis of the pedagogical model Aprende en casa in elementary education and post-crisis recommendations for the benefit of teaching-learning processes*. GLocal Assessment Week 2021: Assessment for Educational Improvement. Institute of Education of Aguascalientes, Mexico.
- Martínez-Cruz, A. L., **Peralta, Y.**, & Gracia-Olvera, V. (2020, December). *Using stated preference responses to address endogeneity in the single site travel cost equation*. Seminar in Energy, Environmental, Resource and Development Economics. Center for Economic Research (CER) and Centre for Energy Policy and Economics (CEPE), ETH-Zurich.
- **Peralta, Y.** (2019, August). *Validation of personality measurements in Mexican children*. Research seminar at Center for Research and Teaching in Economics (CIDE)-Región Centro, Aguascalientes, Aguascalientes, Mexico.
- **Peralta, Y.** (2019, August). *Measuring the association of educational trajectories: The case of mathematics and reading*. National Autonomous University of Mexico (UNAM), Mexico City, Mexico.
- **Peralta, Y.** (2019, May). *An application of bivariate Bayesian piecewise linear models to measure associations between educational growth curves*. Research seminar at the Center for Research in Mathematics (CIMAT) and the University of Guanajuato, Guanajuato, Guanajuato, Mexico.
- Martínez-Cruz, A. L., **Peralta, Y.**, & Gracia-Olvera, V. (2019, March). *Using contingent valuation responses to address travel cost endogeneity*. Research seminar, Appalachian State University, Boone, North Carolina, USA.
- **Peralta, Y.** (2019, March). *Bivariate Bayesian piecewise linear models to measure associations between educational growth curves*. Research seminar at the Applied Mathematics Center, Autonomous University of the State of Hidalgo, Pachuca, Hidalgo, Mexico.

- Harwell, M., Kohli, N., & **Peralta, Y.** (2015, February). *Monte Carlo studies in methodological research in education & psychology*. Big Ten Online Symposium (with the University of Iowa and the University of Nebraska-Lincoln), Department of Educational Psychology, University of Minnesota, Minneapolis, MN.
- **Peralta, Y.** (2015, February). *Using visual diagnostics to assess model fit*. Educational Psychology Computing Club, University of Minnesota, Minneapolis, MN.
- **Peralta, Y.** (2014, October). *Data preparation I: subsetting and merging*. Educational Psychology Computing Club, University of Minnesota, Minneapolis, MN.

RESEARCH GROUPS      Longitudinal Methods Development Lab      2014 - current  
 Member  
 Department of Educational Psychology, University of Minnesota

Program for Longitudinal Studies, Experiments, and Surveys (PANEL) 2018 - current  
 Principal Investigator  
 Center for Research and Teaching in Economics (CIDE) - Región Centro, Aguascalientes, Mexico

Project of Decision Analysis under Uncertain Contexts (PADeCI)      2020 - current  
 Co-funder  
 Center for Research and Teaching in Economics (CIDE) - Región Centro, Aguascalientes, Mexico

ADVISING      Master's Students Advisor

- David Ulises Garibay Treviño, "The impact of the Safe Intersections program: A longitudinal perspective", Master of Science in Methods for the Analysis of Public Policies, 2021, Center for Research and Teaching in Economics (CIDE).
- Irving Rodolfo McLiberty Zurita, "Dynamic optimization in a sustainable tourism model", Master of Science in Environmental Economics, 2021, Center for Research and Teaching in Economics (CIDE).

Master's and Undergraduate Theses Committees

- Thania Berenice Hernández Alarcón, "The impact of violence on migratory flows from Guatemala", Master of Science in Economics, 2021, Center for Research and Teaching in Economics (CIDE).
- Gloria Edith Ferreyra Ortiz, "Equitable urban accessibility in the municipality of Aguascalientes", Master of Science in Methods for the Analysis of Public Policies, 2021, Center for Research and Teaching in Economics (CIDE).

MENTORING STUDENTS      • Programming Tutor      Nov 2017 - Mar 2018  
 Longitudinal Methods Development Lab  
 Department of Educational Psychology  
 University of Minnesota

• Mathematics Tutor      Aug 2005 - Jul 2006  
 Autonomous University of the State of Hidalgo (UAEH)

SERVICE TO THE DISCIPLINE AND PROFESSION      Professional Society Memberships

- American Educational Research Association (AERA)
- Psychometric Society
- National Council on Measurement in Education (NCME)

Professional Service

- Technical Advisory Committee Member 2015-2017  
ACT
- Journal Reviewer  
Latin American Economic Review
- Abstract Reviewer  
Annual meeting of the American Educational Research Association (AERA) 2021  
Annual meeting of the American Educational Research Association (AERA) 2020  
XII Mexican Congress of Educational Research (CNIE, COMIE) 2013

ADDITIONAL  
TRAINING AND  
EDUCATION

- Mexican Association of Statistics, Mexico City, Mexico  
Bayesian Statistics for the Social Sciences by David Kaplan September 2017
- Inter-American Development Bank, Mexico City, Mexico  
First Course of Impact Evaluation in Education in Mexico, May 2012
- National Institute for Educational Assessment and Evaluation of Mexico (INEE), Mexico City, Mexico  
Measuring the change in education: analysis of value-added models, May 2011  
Workshop for longitudinal data analysis and projects evaluation, September 2011

UNIVERSITY  
SERVICE

- Undergraduate Degree Program Board Member 2020 - current  
Bachelor of Public Policy  
Center for Research and Teaching in Economics (CIDE)
- R-Ladies Chapter Aguascalientes, Mexico 2020 - current  
Organizer
- Educational Psychology Computing Club 2014 - 2016  
Organizer  
Department of Educational Psychology, University of Minnesota