Emanuele Bardelli

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Education

University of Michigan — **Ann Arbor, MI**
PhD in Educational Studies — *2016–2022*
Dissertation: Early Career Teachers Supports, Instructional Growth, and Employment Decisions
Committee: Dr. Matthew Ronfeldt (chair), Dr. Brian Jacob (cognate), Dr. Deborah Ball, Dr. Susan Dynarski

California State University, Los Angeles — **Los Angeles, CA**
Master's of Arts in Education — *2020–2021*
Concentration in Mathematics and Science Teaching
Single Subject Teaching Credential: K-12 Mathematics
Thesis: *The Effects of the Classroom Assessment Environment on Student Self-efficacy, Motivation, and Achievement Goals*—Advisors: Dr. John Shindler and Dr. A.Dee Williams

Università Degli Studi di Modena e Reggio Emilia — **Modena, Italy**
Bachelor's of Science in Mathematics, 110/110 cum Laude — *2005–2008*
Thesis: *Generation of 3-Dimensional Rigid Spheres*—Advisor: Dr. Carlo Gagliardi

Peer-Reviewed Publications

2022 Goldhaber, D., Ronfeldt, M., Cowan, J., Gratz, T., **Bardelli**, **E.**, & Truwit, M. (2022). Room for improvement? mentor teachers and the evolution of teacher preservice clinical evaluations. *American Educational Research Journal*, Online First. https://doi.org/10/gpfg8q

Herbst, P., Shultz, M., **Bardelli**, **E.**, Boileau, N., & Mileswki, A. (2022). How can teaching simulations help us study at scale the tensions mathematics teachers have to manage when considering policy recommendations? *Educational Studies in Mathematics*, *110*(1), 1–21. https://doi.org/10/gnh8p9

2021 **Bardelli**, **E.**, & Ronfeldt, M. (2021). Workforce outcomes of program completers in high needs areas. *American Journal of Education*, *128*(1), 59–93. https://doi.org/10.1086/716486

2020 Diemer, M., Frisby, M., Pinedo, A., **Bardelli**, **E.**, Elliot, E., Harris, E., McAlister, S., & Voight, A. (2020). Development of the short critical consciousness scale (shoccs. *Applied Developmental Science*, 1–17. https://doi.org/10.1080/10888691.2020.1834394

Ronfeldt, M., **Bardelli**, **E.**, Brockman, S., & Mullman, H. (2020). Will mentoring a student teacher harm my evaluation scores? effects of serving as a cooperating teacher on evaluation metrics. *American Educational Research Journal*, *57*(3), 1392–1437. https://doi.org/10.3102/0002831219872952

Ronfeldt, M., **Bardelli**, **E.**, Truwit, M., Mullman, H., Schaaf, K., & Baker, J. (2020). Improving preservice teachers' feelings of preparedness to teach through recruitment of instructionally effective and experienced cooperating teachers: A randomized experiment. *Educational Evaluation and Policy Analysis*, *42*(14), 551–575. https://doi.org/10.3102/0162373720954183

2018 Mileswki, A., Herbst, P., **Bardelli**, **E.**, & Hetrick, C. (2018). The role of simulations for supporting professional growth: Teachers' engagement in virtual professional experimentation. *Journal of Technology and Teacher Education*, *26*(1), 103–126.

Working Papers

2022 **Bardelli**, **E.**, & Ronfeldt, M. (2022, March). *Workforce outcomes of program completers in high needs areas* (Working Paper No. 2020-01). Tennessee Education Research Alliance, Vanderbilt University,

Nashville, TN. https://doi.org/https://peabody.vanderbilt.edu/TERA/files/TERA_Working_Paper_2020-01.pdf

Flanagan, C., Diemer, M., Gallay, E., **Bardelli**, **E.**, Wang, Y., Ebright, B., & Pinetta, B. (2022). *Linking stem learning to urban environmental action: Emphasizing the relevance of civic science for community contribution* (Paper under review–revise and resubmit–at the American Educational Research Journal).

Ronfeldt, M., Truwit, M., **Bardelli**, **E.**, Schaaf, K., & Smith, B. (2022, January). *Cultivating coaching in clinical mentors: An experimental evaluation of the mentors matter professional development* (Working Paper No. 2022-01). Tennessee Education Research Alliance. https://peabody.vanderbilt.edu/TERA/files/TERA_Working_Paper_2022-01.pdf

2021 **Bardelli**, **E.**, Ronfeldt, M., & Papay, J. (2021, August). *Teacher preparation programs and graduates' growth in instructional effectiveness* (EdWorkingPapers ai21-450). Annenberg Institute for School Reform at Brown University. https://doi.org/10.26300/120j-qb52

2020 Goldhaber, D., Ronfeldt, M., Cowan, J., Gratz, T., **Bardelli**, **E.**, Truwit, M., & Mullman, H. (2020, June). *Room for improvement? mentor teachers and the evolution of teacher preservice clinical evaluations* (Working Paper No. 239-0620). National Center for Analysis of Longitudinal Data in Educational Research. https://caldercenter.org/sites/default/files/CALDER%20WP%20239-0620.pdf

Morris, W., Ronfeldt, M., **Bardelli**, **E.**, & Truwit, M. (2020, April). *Learning from the best: Promising practices in preparing tennessee's future teachers* (Tennessee Education Research Alliance Brief). https://peabody.vanderbilt.edu/TERA/files/Mentors_Matter_FINAL.pdf

2019 **Bardelli**, **E.**, & Herbst, P. (2019, March). *Practical rationality and instructional choices: Can a socio-cultural framework explain teacher decision making?*

Ronfeldt, M., **Bardelli**, **E.**, Mullman, H., Truwit, M., Schaaf, K., & Baker, J. (2019, October). *Improving student teachers' feelings of preparedness to teach through recruitment of instructionally effective and experienced cooperating teachers: A randomized experiment* (EdWorkingPapers ai19-148). Annenberg Institute for School Reform at Brown University. https://doi.org/10.26300/vst6-j842

White, M., & **Bardelli**, **E.** (2019, September). *Criterion-referenced value-added scores.* https://doi.org/10.35542/osf.io/28t65

2018 Ronfeldt, M., Goldhaber, D., Cowan, J., **Bardelli**, **E.**, Johnson, J., & Tien, C. (2018, April). *Identifying promising clinical placements using administrative data: Preliminary results from isti placement initiative pilot* (CALDER Working Paper No. 2018-9). https://caldercenter.org/sites/default/files/WP%20189.pdf

Conference Papers

2022 **Bardelli**, **E.** (2022, March). *Early career instructional supports, professional growth, and employment decisions* (Presentation). Causal Inference in Education Research Seminar (CIERS), University of Michigan. Ann Arbor, MI.

Bardelli, **E.**, & Ronfeldt, M. (2022, March). *The promise and challenge of recruiting a diverse teaching workforce* (Invited Presentation). University of Michigan Ford School Domestic Policy Corps brown bag. Ann Arbor, MI.

Bardelli, **E.**, & Truwit, M. (2022, April). *Teacher evaluation systems: Measures of instructional effectiveness or mechanisms of structural bias?* (Presentation). American educational research association (AERA) annual meeting. San Diego, CA.

Bardelli, **E.**, Truwit, M., & Ronfeldt, M. (2022a, April). *In-depth look at the pipeline into teaching: Insights from a state longitudinal data system* (Presentation). American educational research association (AERA) annual meeting. San Diego, CA.

Bardelli, **E.**, Truwit, M., & Ronfeldt, M. (2022b, March). *In-depth look at the pipeline into teaching: Insights from a state longitudinal data system* (Presentation). Association for Public Policy Analysis & Management (APPAM) fall research conference (conference delayed). Austin, TX.

Diemer, M., Frisby, M., Pinedo, A., **Bardelli**, **E.**, Elliot, E., Harris, E., McAllister, S., & Voight, A. (2022, May). *Enacting critical quantitative methodology: Leveraging irt to advance critical consciousness measurement* (Presentation). QMC22 Conference. Columbus, OH.

Fisher, L., **Bardelli**, **E.**, Ronfeldt, M., & Truwit, M. (2022, March). *Revisiting the relationship between clinical mentors and student teacher effectiveness* (Presentation). American Education Finance and Policy (AEFP) annual conference. Denver, CO.

Gallagher, M., **Bardelli**, **E.**, Folger, T., Neely, A., Bostic, J., Walkowiak, T., Wilhelm, A., & Zelkowski, J. (2022, April). *Measures of mathematics teachers' behavior and affect: An examination of the assessment landscape* (Presentation). American educational research association (AERA) annual meeting. San Diego, CA.

Goldhaber, D., Ronfeldt, M., Cowan, J., Gratz, T., **Bardelli**, **E.**, & Truwit, M. (2022, March). *Clinical placements and teacher candidates transitions into the labor market: Evidence from a random assignment experiment* (Presentation). Association for Public Policy Analysis & Management (APPAM) annual meeting. Austin, TX.

Paulson, A., **Bardelli**, **E.**, Godfrey, J., Ion, M., & Frisby, M. (2022, April). *Who follows placement recommendations? differential effects of nonbinding placement recommendations on students' course-taking decisions* (Presentation). American educational research association (AERA) annual meeting. San Diego, CA.

Truwit, M., **Bardelli**, **E.**, & Ronfeldt, M. (2022a, April). *The promise of the residency model: A statewide examination of effects on teacher employment, performance, and retention* (Presentation). American educational research association (AERA) annual meeting. San Diego, CA.

Truwit, M., **Bardelli**, **E.**, & Ronfeldt, M. (2022b, March). *The promise of the residency model: A statewide examination of effects on teacher employment, performance, and retention* (Presentation). Association for Public Policy Analysis & Management (APPAM) annual meeting. Austin, TX.

2021 **Bardelli**, **E.** (2021, December). *Relationship between early career supports and teacher growth* (Presentation). Causal Inference in Education Research Seminar (CIERS), University of Michigan. Ann Arbor, MI.

Bardelli, **E.**, Ronfeldt, M., & Papay, J. (2021a, June). *Exploring the relationship between teacher growth trajectories and teacher preparation program features* (Presentation). Invited presentation to the Tennessee Department of Education—Human Capital division. Nashville, TN.

Bardelli, **E.**, Ronfeldt, M., & Papay, J. (2021b, April). *Exploring the relationship between teacher growth trajectories and teacher preparation program features* (Presentation). American educational research association (AERA) annual meeting. Online.

Bardelli, **E.**, Ronfeldt, M., Truwit, M., Schaaf, K., & Baker, J. (2021, April). *Replicating and extending the mentors matter recruitment initiative findings* (Presentation). American educational research association (AERA) annual meeting. Online.

Bardelli, **E.**, & Truwit, M. (2021a, August). *Teacher evaluation systems: Measures of instructional effectiveness or mechanisms of structural bias?* (Presentation). QUINT PhD Summer Institute, University of Oslo. Oslo, Norway.

Bardelli, **E.**, & Truwit, M. (2021b, May). *Teacher evaluation systems: Measures of instructional effectiveness or mechanisms of structural bias?* (Presentation). Centennial Anti-Racist Colloquium, School of Education, University of Michigan. Ann Arbor, MI.

Goldhaber, D., Ronfeldt, M., Cowan, J., **Bardelli**, **E.**, Johnson, L., Mullman, H., & Tien, C. (2021, April). *Feedback for teaching candidates from mentor teachers and university supervisors* (Presentation). American educational research association (AERA) annual meeting. Online.

Ronfeldt, M., Truwit, M., **Bardelli**, **E.**, & Gathia, F. (2021, April). *Do better teachers make better instructional coaches?* (Presentation). American educational research association (AERA) annual meeting. Online.

Truwit, M., Ronfeldt, M., **Bardelli**, **E.**, & Schaaf, K. (2021, April). *Examining the impact of professional development on cooperating teacher coaching and preservice candidates' readiness to teach* (Presentation). American educational research association (AERA) annual meeting. Online.

2020 **Bardelli**, **E.**, Ion, M., Ko, I., & Herbst, P. (2020, April). *Who benefits from mathematics courses for teachers? an analysis of mkt-g growth during geometry for teachers courses* (Presentation). American educational research association (AERA) annual meeting. (Conference cancelled).

Bardelli, **E.**, Ronfeldt, M., Mullman, H., Truwit, M., & Schaaf, K. (2020, April). *Effects of using administrative data to guide the recruitment of instructionally effective and experienced cooperating teachers: Results from a randomized control trial* (Presentation). American educational research association (AERA) annual meeting. (Conference cancelled). San Francisco, CA.

Ronfeldt, M., **Bardelli**, **E.**, Truwit, M., Baker, J., & Schaaf, K. (2020, November). *Effects of using administrative data to guide the recruitment of instructionally effective & experienced clinical mentors: Results from a randomized control trial* (Presentation). Association for Public Policy and Management (APPAM) annual meeting. Online.

2019 **Bardelli**, **E.**, Papay, J., & Ronfeldt, M. (2019, April). *Modeling educator preparation provider effects on graduates' improvement trajectories* (Presentation). American Educational Research Association (AERA) Annual Meeting.

Bardelli, **E.**, & Ronfeldt, M. (2019a, April). *Labor market outcomes for teachers endorsed in high-needs areas* (Presentation). American Educational Research Association (AERA) Annual Meeting. Toronto, ON.

Bardelli, **E.**, & Ronfeldt, M. (2019b, March). *Labor market outcomes for teachers endorsed in high-needs areas* (Presentation). 2019 School of Education Graduate Student (GSCO) Conference, University of Michigan. Ann Arbor, MI.

Cowan, J., Goldhaber, D., Ronfeldt, M., **Bardelli**, **E.**, Johnson, J., & Tien, C. (2019, March). *Do i know myself? how self-perceived effectiveness evolves during the student teaching internship* (Presentation). American Education Finance and Policy (AEFP) Annual Conference. Kansas City, MO.

Goldhaber, D., Cowan, J., Ronfeldt, M., **Bardelli**, **E.**, Johnson, J., & Tien, C. (2019, March). *Room for improvement? descriptive evidence on the content of student teacher evaluations* (Presentation). American Education Finance and Policy (AEFP) Annual Conference. Kansas City, MO.

Mesa, V., Duranczyk, I., **Bardelli**, **E.**, & Group, A. (2019). *February). an exploratory factor analysis of eqipm, a video coding protocol to assess the quality of community college algebra instruction* (Presentation). Research in Undergraduate Mathematics Education (RUME) Conference. Oklahoma City, OK.

Milewski, A., **Bardelli**, **E.**, & Herbst, P. (2019, April). *Framing a task as both construction and proof: How do teachers manage?* (Presentation). National Council of Teachers of Mathematics Research (NCTM-R) Conference. San Diego, CA.

Ronfeldt, M., **Bardelli**, **E.**, Mullman, H., & Truwit, M. (2019, March). *Can administrative data help identify promising clinical placements? evidence from a randomized control trial in a teacher preparation program* (Presentation). American Education Finance and Policy (AEFP) Annual Conference. Kansas City, MO.

Ronfeldt, M., Mullman, H., Truwit, M., & **Bardelli**, **E.** (2019, March). *Does cooperating teacher training impact coaching practice or candidate preparation?* (Presentation). 2019 American Education Finance and Policy (AEFP) Annual Conference.

Shultz, M., **Bardelli**, **E.**, Milewski, A., Boileau, N., & Herbst, P. (2019, April). *What can we learn about the differences between experts and novices from a teaching simulation?* (Presentation). American Educational Research Association (AERA) Annual Meeting. Toronto, ON.

2018 **Bardelli**, **E.** (2018, March). *Teacher decision making in instructional situations in algebra and geometry: Do teachers follow instructional norms?* (Presentation). 2018 School of Education Graduate Student (GSCO) Conference, University of Michigan. Ann Arbor, MI.

Bardelli, **E.**, & Herbst, P. (2018, November). *Teacher decision making in instructional situations in algebra and geometry: Do teachers follow instructional norms?* (Presentation). 2018 Psychology of Mathematics Education – North America (PME-NA) conference. Houston, TX.

Ion, M., **Bardelli**, **E.**, & Herbst, P. (2018, October). *Learning about the norms of teaching practice: How can machine learning help analyze teachers' reactions to scenarios?* (Poster). MIDAS Annual Symposium, University of Michiga. Ann Arbor, MI.

Milewski, A., Amidon, J., **Bardelli**, **E.**, & Boileau, N. (2018, February). *Using virtual spaces to promote teacher professional growth: Acting to believing* (Presentation). 2018 American Mathematics Teacher Educators (AMTE) Conference. Houston, TX.

2017 **Bardelli**, **E.** (2017, March). *Exploring teacher narratives following an online professional development activity* (Presentation). 2017 School of Education Graduate Student (GSCO) Conference, University of Michigan. Ann Arbor, MI.

Honors and Awards

Rackham's One-Term Dissertation Finishing Grant	**2022**
University of Michigan	
Institute of Education Sciences Pre-Doctoral Fellowship	**2017–2022**
University of Michigan, Pre-doctoral training in causal inference in education	
School of Education Scholar Award	**2016–2022**
University of Michigan	
National Science Foundation Graduate Research Fellowship	**2017**
Honorable mention	
Horace H. Rackham School of Graduate Studies Regents Fellowship	**2016–2017**
University of Michigan	
Department of Natural and Physical Sciences	**2005–2008**
Università Degli Studi di Modena e Reggio Emilia, Merit Scholarship	

Research Experience

Matthew Ronfeldt Research Lab	**2017–2022**
Graduate Student Research Assistant, School of Education, University of Michigan	
Managed multiple research project, including the Mentors Matter Recruitment randomized control trial.	
Advancing Critical Consciousness, Methods & Equity (AC^{2}ME) Lab	**2018–2022**
Graduate Student Research Assistant, School of Education, University of Michigan	
Research methods fellow	
Grasping the Rationality of Instructional Practice (GRIP) Lab	**2016–2020**
Graduate Student Research Assistant, School of Education, University of Michigan	

Teaching Experience

Graduate-level Courses

Research and Educational Practice (EDUC 695)   **Fall 2021**
Graduate Student Instructor for Dr. Matthew Ronfeldt
University of Michigan

Research and Educational Practice (EDUC 695)   **Fall 2020**
Graduate Student Instructor for Dr. Matthew Ronfeldt
University of Michigan

Structural Equation Modeling (EDUC 803)   **Winter 2019**
Graduate Student Instructor for Dr. Matthew Diemer
University of Michigan

Psychometrics (EDUC 707)   **Fall 2018**
Graduate Student Instructor for Dr. Matthew Diemer
University of Michigan

Professional Development of In-Service Teachers

Facilitator   **2016**
AVID Summer Institute
Sacramento, California

Instructional Coach   **2015–2016**
Curriculum and Instruction Department
Lodi Unified School District, Lodi, California

K-12 Teaching Experience

Mathematics Instructor   **2015**
Bear Creek High School, Summer Enrichment Program
Stockton, California

Mathematics Teacher   **2012–2015**
Joe Serna Junior Charter School, Grades 6-8 Mathematics and AVID
Lodi, California

Mathematics Teacher   **2010–2012**
Woodrow Wilson Senior High School, Grades 9-12 Mathematics
Los Angeles, California

Urban Teacher Resident   **2010–2011**
Woodrow Wilson High School, Los Angeles Urban Teacher Residency
Los Angeles, California

Professional Service

Peer Reviewer   **2017–Present**
Journals
Educational Studies in Mathematics, Journal for Research in Mathematics Education, Educational Evaluation and Policy Analysis, Journal of Cognition and Development

Peer Reviewer   **2017–Present**
Conferences
American Educational Research Association, Psychology of Mathematics Education – North America, Research in Undergraduate Mathematics Education, National Council of Teachers of Mathematics, Association of Mathematics Teacher Educators

Dean Advisory Committee Member   **2018–2020**
Graduate Student Representative for Educational Studies
School of Education, University of Michigan

Graduate Student Co-coordinator   **2020–2021**
Causal Inference in Education Research Seminar
School of Education, University of Michigan

Graduate Student Co-coordinator   **2019–2020**
Education in Mathematics, Science, and Technology research workshop
School of Education, University of Michigan

Placement Policy and Assessment Consultant   **2016–2018**
Department of Curriculum and Instruction
Lodi Unified School District

Advisory Board Member   **2013–2016**
Joe Serna Junior Charter School
Lodi Unified School District, Lodi, California

Tutor   **2010–2012**
United Friends of the Children
Los Angeles, California

Advanced Methods Training

Statistical and Mathematical Software: Stata, R, C++, Python, Ruby

Advanced Research Methods: Causal Inference Methods, Psychometrics, Structural Equation Modeling, Systemic Functional Linguistics