Emanuele Bardelli

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EDUCATION

- PhD in Educational Studies   Expected: 2022
    University of Michigan, Ann Arbor, Michigan
    Concentration in Mathematics Education
    Dissertation Committee: Dr. Matthew Ronfeldt (chair), Dr. Susan Dynarski (cognate), Dr. Deborah Ball, Dr. Brian Jacob.
- Masters of Arts in Education   Awarded: 2011
    California State University Los Angeles, Los Angeles, California
    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
- Bachelor of Science in Mathematics   Awarded: 2008
    Università Degli Studi di Modena e Reggio Emilia, Modena, Italy
    Thesis: *Generation of 3-Dimensional Rigid Spheres*
    Advisor: Dr. Carlo Gagliardi
    Graduated with Highest Honors

PUBLICATIONS and PRESENTATIONS

Peer-Reviewed Publications:

Diemer, M. A., Frisby, M. B., Pinedo, A., **Bardelli, E.**, Elliot, E., Harris, E., McAlister, S., & Voight, A. M. (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.**, Truwit, M., Mullman, H., Schaaf, K., & Baker, J. C. (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

Ronfeldt, M., **Bardelli, E.**, Brockman, S. L., & Mullman, H. (2020). Will mentoring a student teacher harm my evaluation scores? Effects of serving as a cooperating teacher on evaluation metrics. *Am. Educ. Res. J.*, *57*(3), 1392–1437. https://doi.org/10.3102/0002831219872952

Milewski, 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:

Ronfeldt, M., **Bardelli, E.,** Mullman, H., Truwit, M., Schaaf, K., & Baker, J. C. (2019, October). Improving student teachers' feelings of preparedness to teach through recruitment of instructionally effective and experienced cooperating teachers: A randomized experiment. Available at http://www.edworkingpapers.com/ai19-148

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

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

Ronfeldt, M., Goldhaber, D., Cowan, J., **Bardelli, E.**, Johnson, J., & Tien, C. D. (2018, April). Identifying promising clinical placements using administrative data: Preliminary results from ISTI placement initiative pilot. *CALDER Working Paper*. Available at https://caldercenter.org/sites/default/files/WP%20189.pdf

Policy Briefs:

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

Conference Presentations - Presenting Author:

Bardelli, E., & Truwit, M. (2021, May). *Teacher Evaluation Systems: Measures of Instructional Effectiveness or Mechanisms of Structural Bias?* Paper presented as the Centennial Anti-Racist Colloquium, School of Education, University of Michigan.

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

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

Ronfeldt, M., **Bardelli, E.,** Truwit, M., Baker, J. C., & 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*. Paper presented at the Association for Public Policy and Management (APPAM) annual meeting.

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*. Paper accepted at the 2020 American educational research association (AERA) annual meeting, San Francisco, CA (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.* Paper accepted at the 2020 American educational research association (AERA) annual meeting, San Francisco, CA (Conference cancelled).

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

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

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

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.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

Bardelli, E., & Ronfeldt, M. (2019, March). *Labor market outcomes for teachers endorsed in high-needs areas.* Paper presented at the 2019 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?* Poster presented at the 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 presented at the 2018 MIDAS Annual Symposium, Ann Arbor, MI.

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

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

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

Conference Papers - Non-presenting Author:

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

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

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. Paper presented at the 2021 American educational research association (AERA) annual meeting.

Ronfeldt, M., Truwit, M., & **Bardelli, E.** (2020, November). *Does cooperating teacher training impact the frequency or quality of coaching practice?* Paper presented at the Association for Public Policy and Management (APPAM) annual meeting.

Ronfeldt, M., Mullman, H., Truwit, M., & **Bardelli, E.** (2019, April). *Does mentor training impact coaching practice or candidate preparation?* Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

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*? Paper presented at the American Educational Research Association (AERA) Annual Meeting, Toronto, ON.

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

Mesa, V., Duranczyk, I, **Bardelli, E.**, & AI@CC Research Group (2019, February). *An exploratory factor analysis of EQIPM, a video coding protocol to assess the quality of community college algebra instruction*. Paper presented at the Research in Undergraduate Mathematics Education (RUME) Conference, Oklahoma City, OK.

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.* Paper presented at the 2019 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.* Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MO.

Ronfeldt, M., **Bardelli, E.**, Brockman, S., & Mullman, H. (2019, March) *Will mentoring a student teacher harm my evaluation scores? Effects of serving as a cooperating teacher on evaluation metrics*. Paper presented at the 2019 American Education Finance and Policy (AEFP) Annual Conference, Kansas City, MI.

HONORS AND AWARDS

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

PROFESSIONAL SERVICE

- Dean Advisory Committee   2018-Present
  Graduate Student Representative for Educational Studies
  School of Education, University of Michigan

- 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
    Journals: Educational Studies in Mathematics, Journal for Research in Mathematics
    Education, Educational Evaluation and Policy Analysis, Journal of Cognition and
    Development
- Causal Inference in Education Research Seminar   2020-Present
    Graduate Student Co-coordinator
    School of Education, University of Michigan
- Education in Mathematics, Science, and Technology research workshop   2019-2020
    Graduate Student Co-coordinator
    School of Education, University of Michigan
- Placement Policy and Assessment Consultant   2016-2018
    Department of Curriculum and Instruction
    Lodi Unified School District, Lodi, California
- Advisory Board Member   2013-2016
    Joe Serna Junior Charter School
    Lodi Unified School District, Lodi, California
- Tutor, United Friends of the Children, Los Angeles, California   2010-2012

RESEARCH EXPERIENCE
- Research Assistant   2016 – Present
    University of Michigan, Ann Arbor, Michigan

TEACHING EXPERIENCE
Graduate-level Courses
- Psychometrics   Fall 2018
    Graduate Student Instructor for Dr. Matthew Diemer, University of Michigan
- Structural Equation Modeling   Winter 2019
    - Graduate Student Instructor for Dr. Matthew Diemer, University of Michigan

Professional Development of In-Service Teachers:
- AVID Summer Institute, Sacramento, California   2016
- Curriculum and Instruction   2015-2016
    Lodi Unified School District, Lodi, California
K-12 Teaching Experience:
- Bear Creek High School, Stockton, California   2015
    Mathematics Instructor: Summer Enrichment Program
- Joe Serna Junior Charter School, Lodi, California   2012-2015
    Mathematics and AVID Instructor: Grades 6-8 Mathematics and AVID
- Woodrow Wilson Senior High School, Los Angeles, California   2010-2012
    Mathematics Instructor: Grades 9-12 Mathematics
- Urban Teacher Resident at Woodrow Wilson High School   2010-2011
    Los Angeles Urban Teacher Residency

California State University, Los Angeles, Los Angeles, California

ADVANCED METHODS TRAINING

- Statistical and Mathematical Software: Stata, R, C++, Python, Ruby
- Advanced Research Methods: Causal Methods, Psychometrics, Structural Equation Modeling, Systemic Functional Linguistics