

Emanuele Bardelli

Executive Director of Information and Evaluation, Santa Rosa City Schools

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Work Experience

Director of Information and Evaluation <i>Santa Rosa City Schools</i>	Santa Rosa, CA 2023–Now
Postdoctoral Research Associate <i>National Student Support Accelerator, Annenberg Institute, Brown University</i>	Providence, RI 2022

Education

University of Michigan <i>PhD in Educational Studies</i> 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	Ann Arbor, MI 2016–2022
California State University, Los Angeles <i>Master's of Arts in Education</i> Concentration in Mathematics and Science Teaching Single Subject Teaching Credential: K-12 Mathematics Thesis: <i>The Effects of the Classroom Assessment Environment on Student Self-efficacy, Motivation, and Achievement Goals</i> —Advisors: Dr. John Shindler and Dr. A. Dee Williams	Los Angeles, CA 2010–2011
Università Degli Studi di Modena e Reggio Emilia <i>Bachelor's of Science in Mathematics, Summa cum laude</i> Thesis: <i>Generation of 3-Dimensional Rigid Spheres</i> —Advisor: Dr. Carlo Gagliardi	Modena, Italy 2005–2008

Peer-Reviewed Publications

- 2024 Truwit, M., Ronfeldt, M., & **Bardelli, E.** (2024). Exploring whether and how teacher residencies offer a different kind of preparation. *AERA Open*, 10, 23328584241231937.
- 2023 **Bardelli, E.**, Ronfeldt, M., & Papay, J. P. (2023). Teacher preparation programs and graduates' growth in instructional effectiveness. *American Educational Research Journal*, 60(1), 183–216. <https://doi.org/10.3102/00028312221137798>
- Brown, A., Bardelli, E., Herbst, P., & Dimmel, J. (2023). Examining the potential of cartoon-based simulations for studying mathematics teachers' handling of student emotions: A replication study. *Implementation and Replication Studies in Mathematics Education*, 3(2), 243–274.
- Ronfeldt, M., **Bardelli, E.**, Truwit, M., Schaaf, K., & Baker, J. (2023). Mentors matter recruitment replication & extension: Investigating effects across implementation years. *Journal of Research on Educational Effectiveness*, 1–24.
- Ronfeldt, M., Truwit, M., **Bardelli, E.**, Schaaf, K., & Smith, B. (2023). Cultivating stronger coaching in clinical mentors: An experimental evaluation of the mentors matter professional development initiative. *Educational Evaluation and Policy Analysis*, 01623737231183414.
- 2022 Diemer, M., Frisby, M., Pinedo, A., **Bardelli, E.**, Elliot, E., Harris, E., McAlister, S., & Voight, A. (2022). Development of the short critical consciousness scale (shoccs). *Applied Developmental Science*, 26(3), 409–425. <https://doi.org/10.1080/10888691.2020.1834394>
- 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., & Mileswski, 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 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 Mileswski, 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

- 2023 Diemer, M., Frisby, M., Marchand, A., & **Bardelli, E.** (2023). *Illustrating and enacting a critical quantitative approach to measurement with mimic models* (tech. rep.). PsyArXiv.
- 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. https://doi.org/https://peabody.vanderbilt.edu/TERA/files/TERA_Working_Paper_2020-01.pdf
- Ronfeldt, M., Truwit, M., **Bardelli, E.**, Schaaf, K., & Smith, B. (2022). *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 No. #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). *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). *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 No. #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.
- Ronfeldt, M., Truwit, M., & **Bardelli, E.** (2020, November). *Does cooperating teacher training impact the frequency or quality of coaching practice?* (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.**, 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* (Presentation). American Education Finance and Policy (AEFP) Annual Conference. Kansas City, MI.
- 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.** (2019a, March). *Does cooperating teacher training impact coaching practice or candidate preparation?* (Presentation). 2019 American Education Finance and Policy (AEFP) Annual Conference.
- Ronfeldt, M., Mullman, H., Truwit, M., & **Bardelli, E.** (2019b, April). *Does mentor training impact coaching practice or candidate preparation?* (Presentation). 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?* (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 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* (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
<i>University of Michigan</i>	
Institute of Education Sciences Pre-Doctoral Fellowship	2017–2022
<i>University of Michigan, Pre-doctoral training in causal inference in education</i>	
School of Education Scholar Award	2016–2022
<i>University of Michigan</i>	
National Science Foundation Graduate Research Fellowship	2017
<i>Honorable mention</i>	
Horace H. Rackham School of Graduate Studies Regents Fellowship	2016–2017
<i>University of Michigan</i>	
Department of Natural and Physical Sciences	2005–2008
<i>Università Degli Studi di Modena e Reggio Emilia, Merit Scholarship</i>	

Research Experience

Matthew Ronfeldt Research Lab	2017–2022
<i>Graduate Student Research Assistant, School of Education, University of Michigan</i> Managed multiple research project, including the Mentors Matter Recruitment randomized control trial.	
Advancing Critical Consciousness, Methods & Equity (AC²ME) Lab	2018–2022
<i>Graduate Student Research Assistant, School of Education, University of Michigan</i> Research methods fellow	
Grasping the Rationality of Instructional Practice (GRIP) Lab	2016–2020
<i>Graduate Student Research Assistant, School of Education, University of Michigan</i>	

Teaching Experience

Graduate-level Courses

Quantitative Methods to Advance Diversity, Equity, and Inclusion	May 2022
<i>Graduate Student Instructor for Dr. Matthew Diemer</i> Inter-university Consortium for Political and Social Research Summer Institute	
Research and Educational Practice (EDUC 695)	Fall 2021
<i>Graduate Student Instructor for Dr. Matthew Ronfeldt</i> University of Michigan	
Research and Educational Practice (EDUC 695)	Fall 2020
<i>Graduate Student Instructor for Dr. Matthew Ronfeldt</i> University of Michigan	
Structural Equation Modeling (EDUC 803)	Winter 2019
<i>Graduate Student Instructor for Dr. Matthew Diemer</i> University of Michigan	
Psychometrics (EDUC 707)	Fall 2018
<i>Graduate Student Instructor for Dr. Matthew Diemer</i> University of Michigan	

Professional Development of In-Service Teachers

Facilitator	2016
<i>AVID Summer Institute</i> Sacramento, California	
Instructional Coach	2015–2016
<i>Curriculum and Instruction Department</i> Lodi Unified School District, Lodi, California	

K-12 Teaching Experience

Mathematics Instructor	2015
<i>Bear Creek High School, Summer Enrichment Program</i> Stockton, California	
Mathematics Teacher	2012–2015
<i>Joe Serna Junior Charter School, Grades 6-8 Mathematics and AVID</i> Lodi, California	
Mathematics Teacher	2010–2012
<i>Woodrow Wilson Senior High School, Grades 9-12 Mathematics</i> Los Angeles, California	
Urban Teacher Resident	2010–2011
<i>Woodrow Wilson High School, Los Angeles Urban Teacher Residency</i> Los Angeles, California	

Professional Service

Peer Reviewer	2017–Present
<i>Journals</i> Educational Studies in Mathematics, Journal for Research in Mathematics Education, Educational Evaluation and Policy Analysis, Journal of Cognition and Development	
Peer Reviewer	2017–Present
<i>Conferences</i> 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
<i>Graduate Student Representative for Educational Studies</i> School of Education, University of Michigan	
Graduate Student Co-coordinator	2020–2021
<i>Causal Inference in Education Research Seminar</i> School of Education, University of Michigan	
Graduate Student Co-coordinator	2019–2020
<i>Education in Mathematics, Science, and Technology research workshop</i> School of Education, University of Michigan	
Placement Policy and Assessment Consultant	2016–2018
<i>Department of Curriculum and Instruction</i> Lodi Unified School District	
Advisory Board Member	2013–2016
<i>Joe Serna Junior Charter School</i> Lodi Unified School District, Lodi, California	
Tutor	2010–2012
<i>United Friends of the Children</i> 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