



PhD in Quantitative Research Methods in Education

Explore what's working in education, what isn't, and how we know.

About UO & Eugene

Nestled in the lush and temperate Willamette Valley about 100 miles south of Portland, with an easy 1-hour drive to both the Pacific Ocean and the Cascade Mountains, the University of Oregon is renowned for its research prowess and commitment to education.

With approximately 23,000 students and over 2,000 teaching and research faculty, UO is located in Eugene, the hub of a metropolitan area with a population of approximately 350,000 and a plethora of outdoor recreation and cultural opportunities.



Interested in learning more?

Email empl@uoregon.edu or visit education.uoregon.edu/qrme

Want to accurately measure student learning over time?

Want to answer fundamental questions about barriers to educational success?

Want to know whether an educational policy or intervention worked?



In QRME, you will research the design, implementation, and evaluation of policy and programs across all levels of the education system. You will couple theoretical knowledge from substantive fields such as public policy, economics, sociology, and statistics with applied quantitative educational research methods to generate insights on how to improve educational opportunity.

Student Experience

- Collaborate with mentor faculty members and other scholars around the university
- Engage in original research, present findings in national conferences, and publish articles in prominent outlets
- Share works in progress and create research agenda in departmental seminar
- Develop higher education teaching skills

Our graduates go on to serve as directors of research and evaluation in local, state, and national education agencies; researchers in independent research firms; university faculty members; and more.

Quick Facts

- 108 total quarter credits (equivalent to 72 semester credits); at least 81 after admission
- Full-time, on-campus cognitive apprenticeship model anchored to a program of research
- Guaranteed 4 years of funding (tuition, benefits, stipend) for all students

Featured Faculty

How can school leaders build teachers' skills and improve student outcomes? How do peers influence classmates' learning and what might be done to support schools where student needs are highly concentrated?



David Liebowitz | daviddl@uoregon.edu

How can we make sure that schools are serving English-learner and immigrant students in just and excellent ways?



Ilana Umansky | ilanau@uoregon.edu

How do school accountability policies impact student and school outcomes? How can we determine causal effects of programs or policies when randomized experiments are not possible?



Keith Zvoch | kzvoch@uoregon.edu

How can we identify fraud in large-scale testing using statistical models? How can we integrate machine learning into psychometric research?



Cengiz Zopluoglu | cengiz@uoregon.edu

Visit education.uoregon.edu/people/qrme

Featured Faculty (cont'd)

How do instructional technologies intersect with novel types of measurement and assessment? Can we better tap hard-to-measure constructs for data in decision making using adaptive software tools and dynamic algorithms?



Kathleen Scalise | kscalise@uoregon.edu

Advanced Quantitative Methods

Students take a deep dive into advanced quantitative methods, including:

- Structural Equation Modeling
- Causal Inference
- Hierarchical Linear Modeling
- Item Response Theory
- Machine Learning for Educational Data Science
- Meta-analysis and more!

Students also have access to the new Social Systems Data Science Network, which aims to accelerate data-driven research and outreach efforts in the educational, behavioral, and social sciences. This network provides training and research opportunities at the forefront of social science data analytics.