

# Mike Ion

## Curriculum Vitae

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### Education

- 2017–2022 **Ph.D.**, Mathematics Education, University of Michigan.  
(In progress) Ann Arbor, MI
- 2013–2015 **M.S.**, Mathematics, Cal Poly.  
San Luis Obispo, CA
- 2009–2013 **B.S.**, Mathematics, Cal Poly.  
San Luis Obispo, CA

### Invited Talks and Conference Papers

- Nov. 2019 **What Do We Mean by Equity: A Topic Modeling Approach**, Education in Mathematics, Science, and Technology Research Interdisciplinary Workshop. Ann Arbor, MI.  
**Ion, M.**, Robinson, D.
- Nov. 2019 **Developing Practical Measures To Support the Improvement of Geometry for Teachers Courses**, Psychology of Mathematics Education, North America Annual Conference. St. Louis, MO.  
**Ion, M.**, Herbst, P., Margolis, C., Milewski, A., Ko, I.
- Apr. 2019 **Tensions in Teaching Mathematics to Future Teachers: Understanding the Practice of Undergraduate Mathematics Instructors**, American Education Research Association Conference. Toronto, Canada.  
Milewski, A., **Ion, M.**, Herbst, P., Shultz, M., Ko, I., Bleecker, H.
- Mar. 2019 **Sources of Justification for College Geometry Instructional Actions**, Graduate Student Community Organization Graduate Student Conference. Ann Arbor, MI.  
**Ion, M.**, Margolis, C.
- Feb. 2019 **Preparing Teachers for Secondary Geometry: Understanding the Tensions in Teaching Undergraduate Mathematics Courses for Future Teachers**, Association of Mathematics Teacher Educators Annual Conference. Orlando, FL.  
Milewski, A., Herbst, P., **Ion, M.**, Bleecker, H.
- Oct. 2018 **Learning About the Norms of Teaching Practice: How Can Machine Learning Help Analyze Teachers' Reactions to Scenarios?**, Michigan Data Science Annual Symposium. Ann Arbor, MI.  
**Ion, M.**, Bardelli, E., Herbst, P.
- Oct. 2018 **What Influences Do Instructors of the Geometry for Teachers Course Need to Contend With?**, Psychology of Mathematics Education, North America. Greenville, SC.  
Herbst, P., Milewski, A., **Ion, M.**, Bleecker, H.
- Mar. 2018 **Characterizing University Geometry Courses: An Interview-Based Approach**, Graduate Student Community Organization Graduate Student Conference Ann Arbor, MI.  
**Ion, M.**

## Teaching Experience

- Sept. 2018 - **Graduate Student Instructor - Introduction to Quantitative Methods.**  
Present University of Michigan. Ann Arbor, MI.
- Jul. 2019 **Instructor for John Hopkins University CTY Summer Program.**  
Hong Kong University. Hong Kong, S.A.R.
- Jul. 2018 **Instructor for John Hopkins University CTY Summer Program.**  
Seattle University. Seattle, WA.
- Jan. 2017 - **Lecturer - Mathematics Department.**  
Jul. 2017 Cal Poly. San Luis Obispo, CA.
- Sept. 2013 - **Graduate Teaching Associate.**  
Jun. 2015 Cal Poly. San Luis Obispo, CA.
- Sept. 2011 - **Calculus Workshop Facilitator.**  
Jun. 2013 Cal Poly. San Luis Obispo, CA.
- Jun. 2011 - **Residential Counselor/Teaching Assistant for EPGY Summer Institutes.**  
Aug. 2012 Stanford University. Palo Alto, CA.

## Research Experience

- Sept. 2017 - **Graduate Student Research Associate - GRIP Lab.**  
Present University of Michigan. Ann Arbor, MI.

## Awards

- Sept. 2017- **School of Education Scholar Award.**  
Present University of Michigan
- April 2019 **Educational Studies Summer Grant.**  
University of Michigan
- October 2018 **Most Likely Scientific Impact.**  
University of Michigan Data Science Symposium
- June 2015 **Outstanding Teaching Associate Award.**  
Cal Poly

## Technical Skills

- Programming Languages Python (intermediate-advanced), Stata (intermediate), M-Plus (intermediate), R (beginner)
- Specialties Natural Language Processing, Statistics, Psychometrics, Structural Equation Modeling