

1145-AG-592 **Chad M. Topaz*** (cmt6@williams.edu) and **Shilad Sen** (ssen@macalester.edu). *Diversity in mathematics through a data science lens.*

Concerned by the grievous underrepresentation of women in many scientific fields, we quantify gender representation on mathematics journal editorial boards. Using crowdfunding and crowdsourcing, we amass a database of over 13,000 journal editors and deduce the group's gender breakdown. While women are known to comprise approximately 16% of tenure-stream faculty positions in doctoral-granting mathematical sciences departments in the United States (as of 2016), we find that 8.9% of the editorships in our study are held by women. We also describe group variations within the editorships by identifying specific journals, subfields, publishers, and countries that significantly exceed or fall short of this average. (Received September 11, 2018)