

Online Seminar on Undergraduate Mathematics Education

Quantitative Reasoning for Data Analysis and Student Empowerment

Eric Gaze, Bowdoin College

I will share my insights from creating and teaching Quantitative Reasoning (QR) courses over the past 25 years. In particular, we will explore how to use spreadsheets to engage students in QR classes. The ultimate goal for these courses is to produce quantitatively literate students capable of actively participating as citizens and workers in the 21st century.

QR courses are increasingly being offered as alternative pathways for students seeking a different mathematical experience from the traditional college algebra route.

Spreadsheets are a powerful means of developing quantitative and algebraic reasoning skills in our students, providing context rich problems with financial and statistical applications.



Noon ET, November 18, 2025

Zoom link: <https://cornell.zoom.us/j/92415199317>, passcode olsume

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