

Faculty Activity Report AY2023/24

Dr. Eric M Reyes
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Mathematics
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Teaching/Advising

Courses Taught

Fall-Quarter 2023

BMTH 496, section BMTH496-01, Capstone Experience I. 1 enrolled.

MA 223, section MA223-03, Engineering Statistics I. 24 enrolled.

MA 382, section MA382-01, Intro to Stats w/Probability. 17 enrolled.

MA 382, section MA382-02, Intro to Stats w/Probability. 9 enrolled.

Winter-Quarter 2024

MA 483, section MA483-01, Bayesian Data Analysis. 14 enrolled.

BMTH 497, section BMTH497-01, Capstone Experience II. 1 enrolled.

MA 381, section MA381-02, Intro Probly w/ Appl to Stats. 25 enrolled.

Spring-Quarter 2024

MA 482, section MA482-01, Biostatistics. 19 enrolled.

MA 482, section MA482-ONL, Biostatistics. 1 enrolled.

BMTH 498, section BMTH498-01, Capstone Experience III. 1 enrolled.

MA 223, section MA223-01, Engineering Statistics I. 23 enrolled.

MA 223, section MA223-02, Engineering Statistics I. 25 enrolled.

Course Development

Academic Advising

Total # of Advisees

8

Academic Year

2023-2024

of Advisees who are Freshmen

6.

Other Advising

Student Organization Advising, InterVarsity Christian Fellowship, 30, Meet with Leadership Team (~ 5 students) each week; meet with others at larger meetings once per term., (2014 - Present)

Undergraduate Research Advising, Riya Bharamaraddi, 1, Reproduced selected results from a published paper investigating the characteristics associated with driving under the influence of marijuana among adolescents using data from a national survey., (2023 - 2024)

Professional Development/Research

Faculty Development Activities Attended

Conference Attendance, "Joint Statistical Meetings," American Statistical Association, Portland, OR, United States. Interacted primarily with other educators discussing best practices in statistics education. (August 2024).

Presentations

Reyes, E. M. (Workshop Leader), Rose-Hulman Teaching Workshop, "Developing a Vision," Rose-Hulman, Terre Haute, IN, United States. (August 2024).

Reyes, E. M., Joint Statistical Meetings, "Introducing Survival Analysis with Eye Strength Exercises," American Statistical Association, Portland, OR, United States. (August 2024).

Reyes, E. M., Reyes, J. S., Rose-Hulman Sustainability Network, "Introducing Water Footprints in a Statistics Course," Rose-Hulman, Terre Haute, IN, United States. (May 2024).

Publications

Danek, R., & Reyes, E. M. (submitted). The Effect of Residence and Gender on the Receipt of Prescription Medication. *Community Mental Health Journal*.

Curley, B., Downey, J., Kinnaid, K., Loy, A., & Reyes, E. M. (2023). Questions (and Answers) for Incorporating Nontraditional Grading in Your Statistics Courses. *Journal of Statistics and Data Science Education*. Published. <https://doi.org/https://doi.org/10.1080/26939169.2023.2277851>

Intellectual Property

Sponsor Funded Research

Other Research

Statistical Collaboration with IU School of Medicine, Terre Haute, Industry Funded, Work with medical students on their research for the scholarly concentration. This involves reviewing their proposals and making recommendations regarding an appropriate analysis; it also includes reviewing their drafts. Occasionally, these are full collaborations that seek publication where I am the lead statistician., (August 2019 - Present)

Committees/Service

Committees

Member, Institute Committee on Animal Care and Use: (2015 - Present); I primarily contributed to the creation and maintenance of an electronic form for IACUC submissions and a Teams page for streamlining our review process.

Member, CASO: (2019 - 2024)

Service

Mathematics Group for Program Improvement: (2021 - Present); This committee oversees the assessment program for the mathematics department. It oversees artifact collection, reviews reports from artifact rating sessions, and makes recommendations to the department.

Rose Show Planning Committee: (2020 - Present); As a member of the Rose Show planning committee, my primary responsibilities involve overseeing the registration process and the program creation.

Isolated Statisticians Webmaster, American Statistical Association: (2017 - Present); I maintain the website for the Isolated Statisticians group; this is a network of statisticians who are employed in (primarily academic) settings in which there are few other statisticians.

Moodle Mentor: (2017 - Present)

Innovation by Design - Alternative Programs Action Team: (2024 - 2026); Member.

Teaching Workshop Co-Coordinator: (2024); Co-coordinated the workshop for incoming faculty.

Academic Affairs Faculty Representative to the Board of Trustees: (2022 - 2024); Worked with other reps and the President to develop expectations for the representatives. The position had been largely nebulous, and we documented the current process, including working with the board on the presentation of the winter survey.