

MATH 455 — REGRESSION 1

Section 01

Spring 2025

Instructor: Dikran Karagueuzian

Email: dikran@math.binghamton.edu

Course Time: MWF 10:50–12:20

Course Location: LN 2403

Office: WH 110

Office Hours: MW 2:20-3:20, T 1:30-2:30

Textbook: *Linear Models with R*, second edition, by Julian Faraway

Website: people.math.binghamton.edu/dikran/455/

ASSIGNMENTS AND GRADING

Homework problems will typically be assigned on Wednesday, with written solutions due in Grade-scope on the following Wednesday. Homework assignments will be posted on the course website. You will be expected to submit pdf files produced with R Markdown for all of your homeworks.

Collaboration: If you find yourself unable to solve a homework problem after working for some time by yourself (as will certainly happen!), you are encouraged to work on your homework with other students. When you do, write the names of your collaborators at the top of your submitted solutions. However, *you must write up your solutions independently*. You may not directly copy solutions from any source, whether that be a solution manual, a fellow student, or a shared resource during collaboration or office hours.

Dropped Homeworks: Before computing the homework portion of your grade, I will drop your two lowest homework scores.

Exams: There will be two in-class midterm exams and a final exam.

Grade Breakdown: *Midterm Exams:* 15% each *Final Exam:* 30% *Homework:* 40%

ACADEMIC HONESTY

Students are asked to practice care and attention in regard to academic honesty, with the understanding that all cases of plagiarism, cheating, multiple submission, and unauthorized collaboration are subject to penalty. Students must properly cite and attribute all sources used for assignments, including collaboration with other students. Students may not collaborate on exams, directly or through virtual consultation, unless the instructor gives specific permission to do so. Posting an exam, assignment, or answers to them on an online forum (before, during, or after the due date), in addition to consulting posted materials, constitutes a violation of the University's Honesty policy. Likewise, unauthorized use of live assistance websites, including seeking expert help for specific questions during an exam, can be construed as a violation of the honesty policy. All students should be familiar with the University's Student Academic Honesty Code.

Students may use artificial intelligence tools, including generative AI, in this course as learning aids or to help produce assignments. However, students are ultimately accountable for the work they submit.

ACCOMMODATIONS FOR DISABILITIES

Students requesting disability-related accommodations should register with the Services for Students with Disabilities office (SSD). They are the appropriate entity on campus to determine and authorize disability-related accommodations. The office is in the University Union, room 119. (Phone: 607-777-2686.) For students already registered with SSD, please provide your academic accommodation letter as soon as possible so that we can discuss the implementation of your accommodations.