

MATH 6383
Lectures: MW 1 – 2:30 in 345PGH

Instructor: Krešimir Josić
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Prerequisites:

This course is an introduction to mathematical statistics. It assumes a knowledge of probability at the level of Rosenthal's book "A first look at rigorous probability".

Text:

Statistical Inference, 2nd edition (2001), by G. Casella and R.L. Berger

Topics Covered:

Topics covered include random samples, point and interval estimation, hypothesis testing, analysis of variance and regression, and asymptotic evaluations.

Computers:

There will be a few assignments that will require the use of R, a free software package.

How to get in touch with me:

The best way to get in touch with me is by e-mail. Use it if you have a question that can be answered quickly, or need to set up an appointment.

Homework:

There will be about 6 homework assignments during the semester. Each homework set will be due two weeks after it was assigned. You are free to work together on the homework sets, however the work you turn in must be your own. In other words you are encouraged to work together on solving the problems, but not to copy the solutions from other students. To insure that this is the case, *write up the solutions on your own*, and not in a group. **I will hold you to this standard, and if will investigate any cases of plagiarism.**

The homeworks will be worth 30% of your grade.

Attendance:

Attendance is strongly encouraged.

Grades:

Grades will be assigned on the following basis:

30% homework
30% midterm
40% final exam

Please see the schedule for the dates of the exams.

Academic Honesty:

Dishonesty includes cheating on your homework, falsifying data, and misrepresenting the work of others as your own (plagiarism). I will take all instances of academic dishonesty very seriously. I urge you to read the sections of the student handbook discussing academic dishonesty and the disciplinary actions it entails.