

MAT 652 : Probability and Statistics II (Spring, 2014)

Course Description

The course will cover the central ideas of statistical inference: estimation (point and interval) and hypothesis testing. We learn how to find appropriate statistical techniques and how to evaluate these techniques in a general context first, and then consider some special cases. We plan to cover Chapters 5 to 9 in the textbook.

Instructor

Professor Pinyuen Chen
Physics Building 229 G
443-1577, 443-1471(message)
Pinchen@syr.edu
Class time TTh 8:00 a.m. - 9:20 pm

Textbook

Statistical Inference, by George Casella and Roger L. Berger, 2nd edition, Duxbury

Grading Policy

Midterm Exam (30%), Final Exam (30 %), Homework (40 %)

Prerequisite

Calculus, MAT 651 or equivalent

References

Bickel and Doksum (2001) *Mathematical Statistics*, Vol. 1, 2nd edition, Prentice Hall
Cox and Hinkley (1974) *Theoretical Statistics*, Chapman and Hall
E.L.Lehmann (1983) *Theory of Point Estimation*, Wiley
E.L.Lehmann (1988) *Testing Statistical Hypothesis*, Wiley
Dudewicz and Mishra (1988) *Modern Mathematical Statistics*, Wiley

Academic Integrity

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Disability

Students who may need academic accommodations due to a disability are encouraged to discuss their needs with the instructor at the beginning of the semester. In order to obtain authorized accommodations, students should be registered with the Office of Disability Services (ODS), 804 University Avenue, Room 309, 315-443-4498 and have an updated accommodation letter for the instructor. Accommodations and related support services such as exam administration are not provided retroactively and must be requested in advance."

For more information about services and policy, see [Office of Disability Services](#)

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