BSTA – 620 Probability
Fall 2024

When and Where: Monday / Wednesday 10:15 – 11:45, Blockley Hall 701
No classes: regular University holidays

Instructors and Office Hours:
Prof. Hongzhe Li (Lee), 215 Blockley Hall, 215 573-5038,
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Office Hours: appointment by email.

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Textbook:
Statistical Inference, 2nd Edition, by G. Casella and R. L. Berger, Duxbury: Thomson Learning Inc (2002). (Required).

Prerequisites:
Undergraduate-level multivariable calculus, linear algebra with matrix, basic probability.

Lectures:
The lectures will cover all the first five chapters in Casella and Berger, though the material in each chapter may be expanded or tailored.

Homework:
Two sets of homework problems in each chapter (total 10 sets). You will have about 10 days to finish the work. No late homeworks will be accepted. You are encouraged to discuss homework problems with fellow students, but copying is not allowed. You may not submit any work generated by artificial intelligence.

Exams:
Midterm: October 16, 2024
Final Exam: December 9, 2024

Grading:
Homework: 50%; Midterm: 20%; Final exam: 30%.
A 91% and up ;   A- 89-90% ; B+ 86-88% ; B 77-85%; B- 74-76%; C+   71-73%; C 60-70%; C- 58-59% .