Syllabus

General Information

Instructor: Yili Hong, PhD
Office: 213 Hutcheson Hall; Phone: 540-231-9710; Email: yilihong@vt.edu
Class time and place: TR 11:00am-12:15pm; Sandy 10
Office hours: M: 1pm-3pm, W: 10am-noon, or by appointment.
Prereq: STAT 4105

Resources

Course webpage: https://scholar.vt.edu/portal
Applets: Available at http://www.brookscole.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&flag=student&product_isbn_issn=9780495110811&discipline_number=17

Description

This is primarily a theory course, covering sampling distribution; central limit theorem; methods of estimation; properties of estimators; hypothesis testing; convergence of sequences of random variables. Other topics such as liner models theory and Bayesian inference will also be covered if time permits.

Evaluation

- Letter grade will be given based on homework (25%), the first mid-term (20%), the second mid-term (20%), and the final exam (35%).
- Homework: Biweekly. Turn them in at the beginning of the class on the date it is due. NO late homework will be accepted.
- First Mid-term: close-book, in-class, Thursday, February 27th.
- Second Mid-term: close-book, in-class, Thursday, April 17th.
- Final exam: close-book, comprehensive, scheduled for Friday, May 9th, 10:05am-12:05pm.
Academic Integrity

Students are expected to abide by Virginia Tech’s Community Standard for all work for this course (http://www.honorsystem.vt.edu/). Violations of the Standard will result in a failing final grade for this course and will be reported to the Dean of Students for adjudication. Ignorance of what constitutes academic dishonesty is not a justifiable excuse for violations.

Special Accommodation

As supported by Virginia Tech’s Principles of Community (http://www.vt.edu/diversity/principles-of-community.html), all students will be treated equally. Those with special needs can be accommodated and should refer to the website http://www.ssd.vt.edu/ for specific questions.