

ST2334

Statistics and Probability

Lecturer

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Consultation: any (office) time, appointment is recommended, but not necessary.

Reference books

1. Miller & Freund's *Probability and Statistics for Engineers: International Edition* By Richard A. Johnson (textbook)
2. *A Brief Introduction to Probability and Statistics* by William Mendenhall, Robert J. Beaver and Barbara M. Beaver

Contents (chapters 1—11)

1. Introduction
2. Graphics and Simple Numerical Techniques
3. Probability
4. Probability Distributions
5. Probability Densities
6. Sampling Distributions
7. Inferences Concerning a Mean

- 7. Comparing Two Treatments
- 8. Inferences Concerning Variances
- 9. Inferences Concerning Proportions
- 10. Regression Analysis

Software: R (free at <http://www.r-project.org/>
, not included in the tests)

Teaching policy:

Minimizing the difficulty and maximizing the contents

Grading policy:

Tutorial attendance and mid-term: 30% Final: 70%; or Tutorial attendance: 20% Final: 80%