



MATH 4750/8756 Intro to Prob/Stats II

TR 7:00 PM – 8:15 PM | DSC 111 | Steven From

Theory and methods of statistical inference including sampling distributions, estimators, estimation, and statistical hypotheses.

This course covers transformations of random variables, theory of sampling, point and interval estimation, confidence intervals, hypothesis testing, and basics of analysis of categorical data. It emphasizes the mathematical aspects of these topics, but there is also a data analysis component.

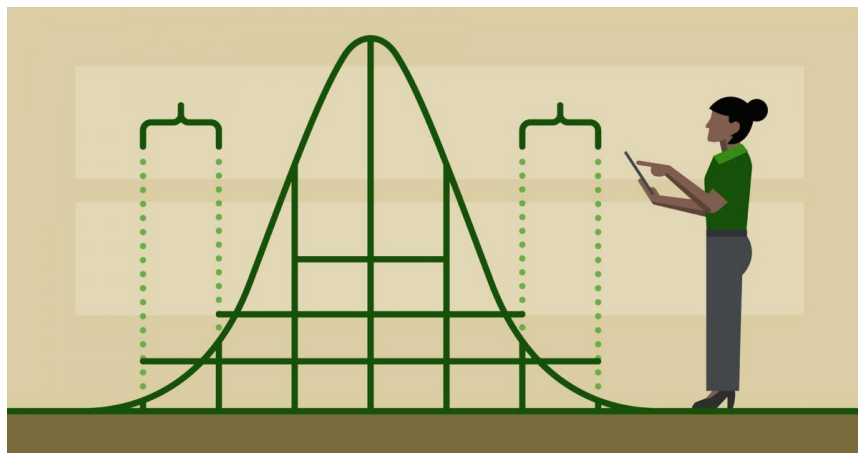
This course is very helpful for passing various actuarial science exams and is necessary to understand many concepts and statistical procedures encountered in many advanced statistics classes. This material should be known by any aspiring statistician and/or data scientist.

Pre-requisites: [Math 4740/8746](#) or [permission](#)

Textbooks: [John E. Freund's Mathematical Statistics With Applications, Eighth Edition, Miller And Miller, 2014.](#)

Teaching presentation: [Classroom lectures.](#)

Grading: [6 or 7 Homework Assignments, two exams.](#)



For More Information:

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