



The University of Chicago
Department of Statistics
STATISTICS COLLOQUIUM

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**Undergraduate Statistics Education in the 21st
Century**

MONDAY, February 13, 2012, at 4:00 PM

133 Eckhart Hall, 5734 S. University Avenue

Refreshments following the seminar in Eckhart 110.

ABSTRACT

In this talk I will discuss some of the recent developments in undergraduate statistics education driven by an increasingly technological savvy student population as well as the fast-paced yet likely sustainable growth of industry jobs in the field. Statistics programs must balance application and theory in training students for industry and for graduate school. Students need to be comfortable with complicated interdisciplinary research problems and be able to communicate statistical results effectively to an audience of varying backgrounds. It is no longer enough to just memorize formulas. I will discuss some teaching philosophy for the modern statistics program using a simple linear regression lecture for illustration. I will also present one proposed program overview that incorporates concepts at multiple levels, marries statistical theory with real world application and prepares the next generation of leading statisticians.

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