

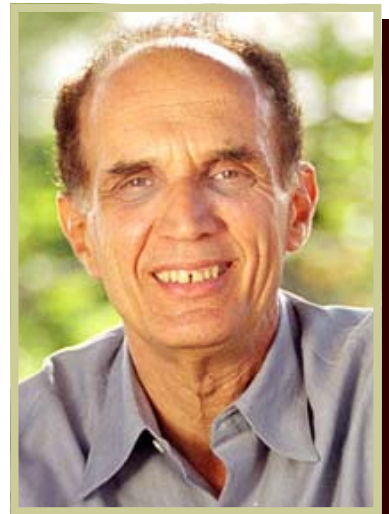
LEARNING FROM THE EXPERIENCE OF OTHERS

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(Wednesday)

11:00-11:50 AM

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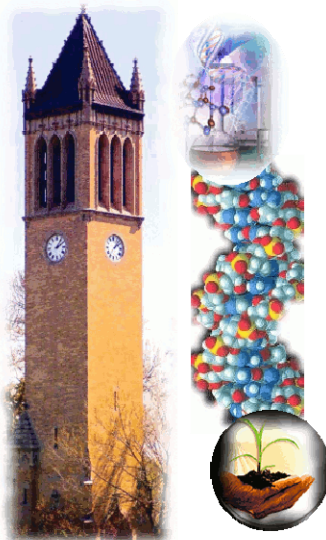
Abstract: Familiar statistical estimates such as batting averages, political polls, and medical trial results are obtained by direct observation of cases of interest. Sometimes, though, we can learn from the experience of “others”: for instance there may be information about Player A’s batting ability in the observed averages of Players B, C, D, ... I will present several examples showing how this works in practice, indicating some of the surprising theoretical ideas involved. The talk is mainly descriptive in nature, and is intended for a general scientific audience.



Bradley Efron

Max H. Stein Prof. of Humanities and Sciences, Prof. of Statistics, Stanford University

Professor Efron is a member of the National Academy of Sciences, past president of the American Statistical Association and the Institute of Mathematical Statistics, a recipient of the MacArthur Prize, a winner of the Wilks Medal of the American Statistical Association, and a recent recipient of the National Medal of Science. He has made several major contributions to the field of statistics during a research career centered on the interface of statistical theory and scientific application. He is internationally recognized as the developer of “bootstrap” methodology, which utilizes computational power to obtain appropriate statistical analyses for complicated scientific problems.



IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY



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IOWA STATE
UNIVERSITY

.....
DEPARTMENT OF
STATISTICS

Snedecor Hall
Ames, Iowa 50011-1210

Phone: 515.294.3440

Fax: 515.294.4040

E-mail: statistics@iastate.edu

Department Webpage:

www.stat.iastate.edu