

Department of Applied Mathematics and Statistics  
The Johns Hopkins University

**THE 2004 DUNCAN LECTURE**

Leo Breiman  
Department of Statistics  
University of California

**Friday, April 30, 2004**  
**110 Maryland Hall**  
Lecture: **11:00 a.m.**  
Luncheon reception to follow  
in 302 Whitehead Hall

**STATISTICS, MACHINE LEARNING, AND DATA MINING**

ABSTRACT

The evolution, similarities, and differences in the three title areas are examined. I discuss the effects of the avalanche of data, the profusion of computing, and the implications for the information sciences. Some recent advances in predictive accuracy of algorithms in machine learning are considered.

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Professor Breiman will give another lecture the preceding day (Thursday, April 29) at 4:00 p.m. in 110 Maryland Hall (preceded by refreshments at 3:30 p.m. in 109 Maryland Hall). The title of his Thursday lecture is "Random Forests: A Statistical Tool for the Sciences."