
 **JSM 2006 Online Preliminary Program** 

This is the preliminary program for the 2006 Joint Statistical Meetings in Seattle, Washington.

CE_10C

Sun, 8/6/06, 8:30 AM - 5:00 PM

CC-306

Computational Statistics: Methods for Monte Carlo Integration and Optimization - Continuing Education - Course

The ASA, Section on Statistical Computing

Instructor(s): [Jennifer A. Hoeting](#), Colorado State University, [Geof H. Givens](#), Colorado State University

This course will consist of a morning session on Monte Carlo integration strategies and an afternoon session on optimization methods. We will survey a variety of techniques, ranging from classic to state-of-the-art. The course will be based on Computational Statistics. We will seek to give students a practical understanding of how and why existing methods work, enabling students to use modern statistical methods effectively. We will focus on methodological concepts, not details of computer programming. Examples will be drawn from diverse fields, including bioinformatics, ecology, and medicine. The course is targeted for quantitative scientists and statisticians who are unfamiliar with these methods. Upper-division undergraduate mathematical literacy is recommended. RECOMMENDED TEXTBOOK: Givens, G.H. and Hoeting, J.A. (2005): Computational Statistics. John Wiley and Sons. ISBN: 0-471-46124-5.

Course attendees are expected to be familiar with the topic at the level of:
Statistical Inference by George Casella and Roger L. Berger, Duxbury Press.

JSM 2006 For information, contact jsm@amstat.org or phone (800) 308-8943. If you have questions about the Continuing Education program, please contact the [Education Department](#).
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