

STANFORD UNIVERSITY
DEPARTMENT OF STATISTICS
DEPARTMENTAL SEMINAR

4:15 p.m., Tuesday, March 28, 2006
Sequoia Hall Room 200
(Cookies at 3:45 in 1st Floor Lounge)

John Sall
SAS Institute - JMP Division

Current Statistical Magic Tricks

Joint work by John Sall, Bradley Jones, Christopher Gotwalt; SAS Institute - JMP Division

When we develop new methods in our software (JMP6 in this case), we stress them with extreme cases to see how they behave. Sometimes these cases show almost-magical unexpected talents. With JMP6 we feature the following "acts":

- Teaching Bayesian D-Optimal Supersaturated Designs with a card trick.
- Allowing variances to go negative in REML.
- Resolving co-centered Normal Mixtures.
- Robust Engineering through Desirability Functions on Derivatives

Biographical:

John Sall is Co-founder and Executive VP of SAS Institute, Director of the JMP Project. ASA Fellow. No PhD, but Honorary Doctorate from North Carolina State University, where SAS originated.

Bradley Jones is Manager of Statistical R&D for JMP.

Chris Gotwalt is Senior Research Statistician.