



BOSTON UNIVERSITY STATISTICS
AND PROBABILITY SEMINAR SERIES

Algebraic Statistics

Seth Sullivant

Department of Mathematics and
Department of Statistics,
Harvard University

Thursday, February 7, 2008, 4-5pm
Mathematics and Computer Science (MCS) Building, Room 149
111 Cummington Street, Boston

Tea and Cookies at 3:30pm in MCS 153

Abstract: Algebraic statistics advocates algebraic geometry as a useful language for discussing statistical and probabilistic problems. The starting point is the observation that many statistical models are described by algebraic constraints or parametrizations. I will try to illustrate this connection with some examples including Gaussian conditional independence models, log-linear models, and phylogenetic models.

For directions and maps, please see <http://math.bu.edu/research/statistics/statseminar.html>.