

MATHEMATICS DEPARTMENT
North Carolina State University

ALGEBRA SEMINAR

Friday, January 25, 2008

Dr. Seth Sullivant
Harvard University

Algebraic Statistics

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.

4:00 - 4:50 pm HA 335

Departmental tea at 3:30 pm in HA 243.

Faculty, students and post-docs are encouraged to attend.

Dr. Sullivant is a candidate for an assistant professorship in the Mathematics Department.