

MICHIGAN STATE UNIVERSITY
Department of Statistics and Probability

COLLOQUIUM

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Statistical methods for relational tensor data

Tuesday, April 15, 2014
10:20 a.m. - 11:10 am
Refreshments 10:00 am
C405 Wells Hall

Abstract

Many modern multivariate datasets are naturally represented as arrays or tensors. For example, multivariate and/or longitudinal network data may be represented as a multiway data array. In this talk I will discuss models for such data based on the array normal distribution. Some theoretical aspects will be discussed, such as optimal equivariant estimation. Applications to ANOVA models and longitudinal multivariate networks will also be presented.

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