



THE UNIVERSITY OF  
**CHICAGO**

Department of Statistics

MASTER'S THESIS PRESENTATION

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Department of Statistics  
The University of Chicago

Identify Potential Relationship Between Juvenile Crime and School  
Activities

WEDNESDAY, November 12, 2014, at 1:00 PM  
Eckhart 117, 5734 S. University Avenue

ABSTRACT

In this paper, I evaluated potential relationship between juvenile crime rate and school activities. Specifically, participants of school activities (excludes athletic team) and the membership of athletic team are analyzed to see if they are salient enough to override other issues. Generalized estimation equations and mean models are used to analyze longitudinal survey data. The model indicates that becoming a member of school's athletic team is correlated with a lower probability of drug-or-alcohol related crime.