

**Indiana University-Purdue University  
Indianapolis**  
**Department of Mathematical Sciences**

STATISTICS SEMINAR

12:15pm—1:15pm, Tuesday, April 10, 2018  
SL 137

**Speaker:** **Sheng Zhang** (PhD student)  
*Department of Mathematical Sciences, IUPUI*

**Title:** **Generalized linear models for longitudinal data analysis**

**Abstract:**

The presentation is based on the paper published in 1986 by Liang and Zeger, "Longitudinal data analysis using generalized linear models". The models and assumptions will be presented, as well as the parameter estimation and the asymptotic theory for the estimators. Finally, the simulation result is present.

**Reference:**

Liang, Kung-Yee, and Scott L. Zeger. "Longitudinal data analysis using generalized linear models." *Biometrika* 73.1 (1986): 13-22.