

Statistics Seminar
Department of Mathematical Sciences

DATE:	Thursday, February 11, 2016
TIME:	1:15pm to 2:15pm
LOCATION:	WH 100E
SPEAKER:	Qiankun Zhou, Binghamton University
TITLE:	JIVE for Panel Dynamic Simultaneous Equations Model

Abstract

We consider the method of moments estimation of panel dynamic simultaneous equations models under different sample size combination of cross-sectional dimension, N ; and time series dimension, T . We consider two types of linear transformation to remove the individual-specific effects from the model, first difference and forward demeaning. We show that the Alvarez- Arellano type GMM estimation under both transformations is consistent only if $T/N \rightarrow 0$ as $(N, T) \rightarrow \infty$. However, it is asymptotically biased if $T^3/N \rightarrow k \neq 0$. Since the validity of statistical inference depends critically on whether an estimator is asymptotically unbiased or not, we investigate the jackknife bias reduction method and derive its limiting distribution.

From:
<https://www2.math.binghamton.edu/> - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:
<https://www2.math.binghamton.edu/p/seminars/stat/160211>

Last update: **2016/03/01 16:49**

