



ANNOUNCES A
COLLOQUIUM

Dr. Jesse Frey

Villanova University

will speak on

**Bootstrap Confidence Bands for the CDF
Using Ranked-Set Sampling**

Time: 3:00 PM – 4:00 PM

Date: Friday, November 11, 2011

Place: Speakman Hall 114

Abstract

Ranked-set sampling is a sampling scheme in which informal ranking information is used to create a stratification based on ranks. Many results about ranked-set sampling parallel results about stratified random sampling, but some results are different. I'll describe some of the ways that ranked-set sampling differs from ordinary stratified sampling, and I'll show how these differences can be used to obtain improved statistical inference. My main example is that of creating accurate nonparametric bootstrap confidence bands for the population CDF without making any assumptions about the quality of the rankings.

Guest Parking Available in the **Liacouras Garage**
(Located on **15th Street between Montgomery and Cecil B. Moore Avenues**)