

SPECIAL COLLOQUIUM

Dr Paul Speckman

University of Missouri-Columbia

will present

County-level rates for breast cancer in Missouri

2:30 pm

Wednesday, November 16th

Violette Hall 1236

Abstract: Spatial epidemiology is the study of disease incidence data to determine if certain geographical areas have higher than expected prevalence. However, there are many problems with analyzing disease rates. Most diseases of interest are relatively rare. One area may have higher incidence than another simply due to chance. Moreover, populations may vary from one region to another, so confounding factors must also be accounted for. Clearly, analysis of raw disease rates can be misleading. In the past decade, the analysis of such spatial data has been revolutionized with the introduction of Bayesian models. In this talk, we introduce several spatial models and discuss their application to breast cancer in Missouri.

Dr. Speckman is a professor at the University of Missouri-Columbia. Afterwards he will be available to talk with about graduate studies in statistics at Mizzou.

Cookies and Refreshments!!!