



# ADVANCED SPATIAL ANALYSIS WORKSHOPS

NOW ACCEPTING APPLICATIONS FOR WORKSHOPS 2011

The Population Research Institute (PRI) at Pennsylvania State University and the Center for Spatially Integrated Social Science at the University of California, Santa Barbara (UCSB) are pleased to announce the offering of two summer workshops in 2011 under the Advanced Spatial Analysis program, which is funded by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD, R25 HD057002-03; PI, Stephen Matthews, Penn State.)

The primary audience for these advanced workshops is early-career population scientists (i.e., graduate students, post-docs, and junior faculty/researchers in demography-related disciplines) based at research institutions and population-related agencies in the United States. These workshops are for population scientists who already possess a working knowledge of geographic information systems (GIS) and spatial statistics, and who use these tools in their research.

**These workshops have a participation cap and are highly competitive**

## Spatial Regression Modeling

Population Research Institute ([www.pop.psu.edu](http://www.pop.psu.edu))  
The Pennsylvania State University  
State College, PA  
**June 19–24, 2011**

*Instructors:* **Paul Voss** (University of North Carolina at Chapel Hill) and **Katherine Curtis** (University of Wisconsin, Madison) are authorities on applications of spatial statistical modeling in demography. Stephen Matthews (Principal Investigator for the Advanced Spatial Analysis NICHD training program) is the workshop coordinator at PSU.

### Workshop goals and format:

- Reviews applications of spatial regression
- Provides participants with experience in using **GeoDa** and **R** software for exploratory spatial data analysis (ESDA) and spatial econometric modeling
- Participants will have opportunities to apply these tools in their own empirical research

## Multilevel Modeling

Center for Spatially Integrated Social Science  
([www.csiss.org](http://www.csiss.org))  
University of California, Santa Barbara  
Santa Barbara, CA  
**July 10–15, 2011**

*Instructors:* **Kelvyn Jones** (University of Bristol, U.K.) and **S.V. (Subu) Subramanian** (Harvard University), are leading specialists in applications of multilevel statistical methods in health research and are co-developers of a training manual to assist researchers in multilevel modeling using the **MLwiN** program for fitting data with complex hierarchical and non-hierarchical structures. Michael Goodchild and Donald Janelle are the workshop coordinators at UCSB.

### Workshop goals and format:

- Provides a training experience in the concepts and applications of multilevel statistical modeling, particularly in a spatial and demographic context
- The workshop will be a mixture of lectures and practical, computer-based sessions
- Participants will enjoy opportunities to discuss their own research with workshop instructors

## Scholarship Support

There are no fees for participating in the Advanced Spatial Analysis Workshops. Participants are encouraged to seek funding from their home institutions and advisors to cover the costs of transportation, lodging, meals, books, and access to a laptop computer. Scholarships (limited to \$500) will be available for all qualifying applicants, with priority given to graduate students and postdoctoral fellows. Federal employees and those in the private sector are not eligible for scholarships.

## Application Process

Detailed information about the workshops and application requirements can be found at <http://www.csiss.org/GISPopSci>

Apply online at

<http://www.csiss.org/GISPopSci/workshops/2011/apply/>

**Application Deadline:** March 31, 2011

**Acceptance Notice:** April 15, 2011

**Confirm Participation:** April 22, 2011