

Advanced Spatial Analysis

Now accepting applications for **Workshops 2009**

The Population Research Institute (The Pennsylvania State University) and the Center for Spatially Integrated Social Science (University of California, Santa Barbara) are offering workshops in the NICHD-funded training program in Advanced Spatial Analysis. These five-day-long workshops focus on advanced methods for research in the population sciences.

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.

Spatial & Multilevel Modeling

State College, PA: The Population Research Institute (www.pop.psu.edu/)

The Pennsylvania State University, June 21–June 26, 2009

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 the 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. Stephen Matthews (Principal Investigator for the Advanced Spatial Analysis NICHD training program) is the workshop coordinator at PSU.

Through a mix of lectures and computer-based sessions, this workshop will offer a training experience in the concepts and applications of multilevel statistical modeling, particularly in a spatial and demographic context.

Spatial Regression Modeling

Santa Barbara, CA: The Center for Spatially Integrated Social Science (www.csiss.org)

University of California, Santa Barbara July 12–July 17, 2009

Instructors: **Paul R. 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. Michael Goodchild and Donald Janelle are the workshop coordinators at UCSB.

This workshop will review applications of spatial regression, providing 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.

Scholarship Support

There are no fees for participating in the Advanced Spatial Analysis Workshops. Participants are encouraged to seek funding from their own institutions and advisors to cover 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

More detailed information about the workshops and the requirements for applicants can be found at

<http://www.csiss.org/GISPopSci>

Apply online at <http://www.csiss.org/GISPopSci/workshops/2009/apply/>

Application Deadline: 31 March 2009 | Acceptance Notice: 15 April 2009 | Confirm Participation: 22 April 2009

Subject to funding by the National Institute of Child Health and Human Development (NICHD).