Population GIS Workshop at Penn State 19-23 May, 2003

Monday May 19, 2003

Emphasis: Geovisualization

	Event
8.00am	Breakfast
9.00am	Formal Welcome Stephen Matthews, Roger Downs (Geography), Mark Hayward (Director, SSRI), and Leif Jensen (Director, PRI)
9.15am	Stuart Sweeney (CSISS) *Enabling spatial demography*
10.00am	Break
10.15am	Mark Gahegan *Discovery,Visualization, and GeoVISTA Studio*
11.45am	Discussion
12.00pm	Lunch
1.30pm	Bob Hibbert (Computer Systems Administrator, Geography) and Stephen Graham (PRI) Lab Overview & Logistics
1.45pm	Mark Gahegan GeoVISTA studio Lab
3.15pm	Break
3.30pm	David O'Sullivan *Pitfalls and potentials of spatial data*
4.45pm	Discussion

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Tuesday May 20, 2003

Emphasis: Population Science, Geospatial Data Resources and GIS

	Event
9.00am	Stephen Matthews *Population Science and GIS at PRI/SSRI*
10.15am	Break
10.30am	Stephen Graham & Stephen Matthews *Introduction to geospatial databases commonly used in demographic research*
11.30am	Discussion
12.00pm	Lunch
1.30pm	Michelle Zeiders and Jim Detwiler Introduction to ArcGIS 8.x
3.00pm	Break
3.15pm	Michelle Zeiders and Jim Detwiler Building geodatabases with ArcGIS 8.x
4.45pm	Discussion

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Wednesday May 21, 2003

Emphasis: International Population Science

	Event
9.00am	Stephen Matthews International Population Science
9.15am	Livia Montana (Macro International) Presentation discussing the opportunities for exploring spatial issues through the availability of geocodes to Demographic Health Surveys (DHS).
10.15am	Break
10.30am	Frank Tanser Discussing (a) large and (b) small scale health GIS applications in Africa
11.45am	Discussion
12.00pm	Lunch
1.30pm	Stephen Matthews Introduction to Afternoon Labs
1.45pm	Michelle Zeiders, Stephen Graham & Livia Montana Lab on local and Nepal DHS data
3.15pm	Break
3.30pm	Frank Tanser, Jim Detwiler & Stephen Matthews Lab focusing on health data in local studies in South Africa
4.45pm	Discussion

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Thursday May 22, 2003

Emphasis: Mapping U.S. Census data focusing on race/ethnic spatial segregation

	Event
9.00am	Stephen Matthews Overview
9.05am	Trudy Suchan *Mapping census 2000 and using census data products in demographic research*
10.15am	Break
10.30am	David Wong *Implementing and evaluating spatial segregation measures using GIS technology*
11.40am	Discussion
12.00pm	Lunch
1.30pm	Stephen Graham Introduction to ArcView 3.3
2.30pm	Break
2.45pm	David Wong Lab based on race/ethnicity data and spatial segregation using SEG
3.45pm	James Macgill *Spatial analysis using data for zones*
4.30pm	Discussion

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Friday May 23, 2003

Emphasis: Spatial Analysis and GIS

	Event
9.00am	Stephen Matthews Overview
9.30am	Stuart Sweeney *ESDA applications in population science focusing on small area population projections using stochastic simulation.*
10.30am	Break
10.45am	Paul Voss *Spatial regression modeling in Population Science focusing on a reanalysis of data on spatial inequality and poverty among American children.*
11.45am	Discussion
12.00pm	Lunch
1.30pm	Stuart Sweeney and Stephen Matthews Lab exercise based on the use of GeoDA
2.45pm	Break
3.00pm	Paul Voss Demonstration and discussion of some fundamental issues regarding the use of SpaceStat
4.00pm	Discussion
4.30pm	Stephen Matthews Wrap-up

Social Events

Sunday May 18, 2003

	Event
6.00pm-8.00pm	Informal Welcome Mixer at the Marriott Residence Inn (University Drive and Atherton) Stephen Matthews (Workshop Coordinator) Mark Hayward (Director of SSRI)

Wednesday May 21, 2003

	Event
6.00pm - 9.00pm	Stephen Matthews's residence (or local park) Catered BBQ

Saturday May 24, 2003

	Event
9.00am - 5.00pm	Sam Dennis (Penn State) All day fieldtrip around State College and surrounding area (including: State Forests, Amish and Mennonite communities, Historic Bellefonte and Boalsburg. There will be stops for lunch and snacks.