CSISS Workshops,
Diffusing Spatial Concepts and Methods

Association of American Geographers
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Overview

• Emerging market: the social science context

• Our product line

• Applicant pool / attendee disciplinary representation
  - YEAR x WORKSHOP x DISCIPLINE

• Discussion
Figure 7.21. Conceptual view of spread of a communicable disease (measles) in communities of different population sizes. Stages in spread according to the Bartlett model. Source: Cliff and Haggett (1988), fig. 6.5A, p. 246.
Possible risk factors for the social sciences

• Methodological and theoretical plurality/singularity
  - Quantitative-reductionist tendencies
  - Innumeracy

• Insularity

• Availability of data archives (spatial resolution)

• Policy relevance
Resolutions: spatial (S) - temporal (T) - attribute (A)
Growth in doctorates

Figure 1. Doctorates awarded by U.S. colleges and universities, 1957-2000
Figure 4. Science and engineering doctorates awarded by broad field, 1970-2000
Doctoral recipients, 1990-2000 – David & Goliath?

- Geography
- All other social sciences
Disciplinary distribution of social science doctoral degrees, 1990-2000

- Economics: 28%
- Political Science, Government: 18%
- Sociology: 16%
- Anthropology: 12%
- Geography: 5%
- Social Sciences, other: 5%
- Public Policy Analysis: 3%
- International Relations/Affairs: 3%
- Urban Affairs/ Studies: 3%
- Statistics: 2%
- Criminology: 1%
- Other: 20%
Workshop course offerings

• Accessibility in space and time (OSU)

• Agent-based simulation (UCLA)

• Bayesian methods in spatial statistics (Washington)

• Map making and visualization (UCSB)

• Spatial pattern analysis (UCSB)

• Spatial regression, intro. and advanced (UCSB, ICPSR)
Objective measures


- Applicants by discipline
Objective measures (cont.)

- Acceptances by discipline
Objective measures (cont.)

- Attendance by discipline and workshop

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The word on the street...

• Testimonials
• Ongoing developments in economics
• Ongoing developments in demography
• Data driven community activism
Discussion

- Evolving risk factors
- Altering the product line
Figure 2. Annual growth or decline in doctorates awarded by U.S. colleges and universities, 1957-2000