



Center for Spatially Integrated Social Science

CSISS Workshops, Diffusing Spatial Concepts and Methods

Association of American Geographers
March 21, 2002

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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

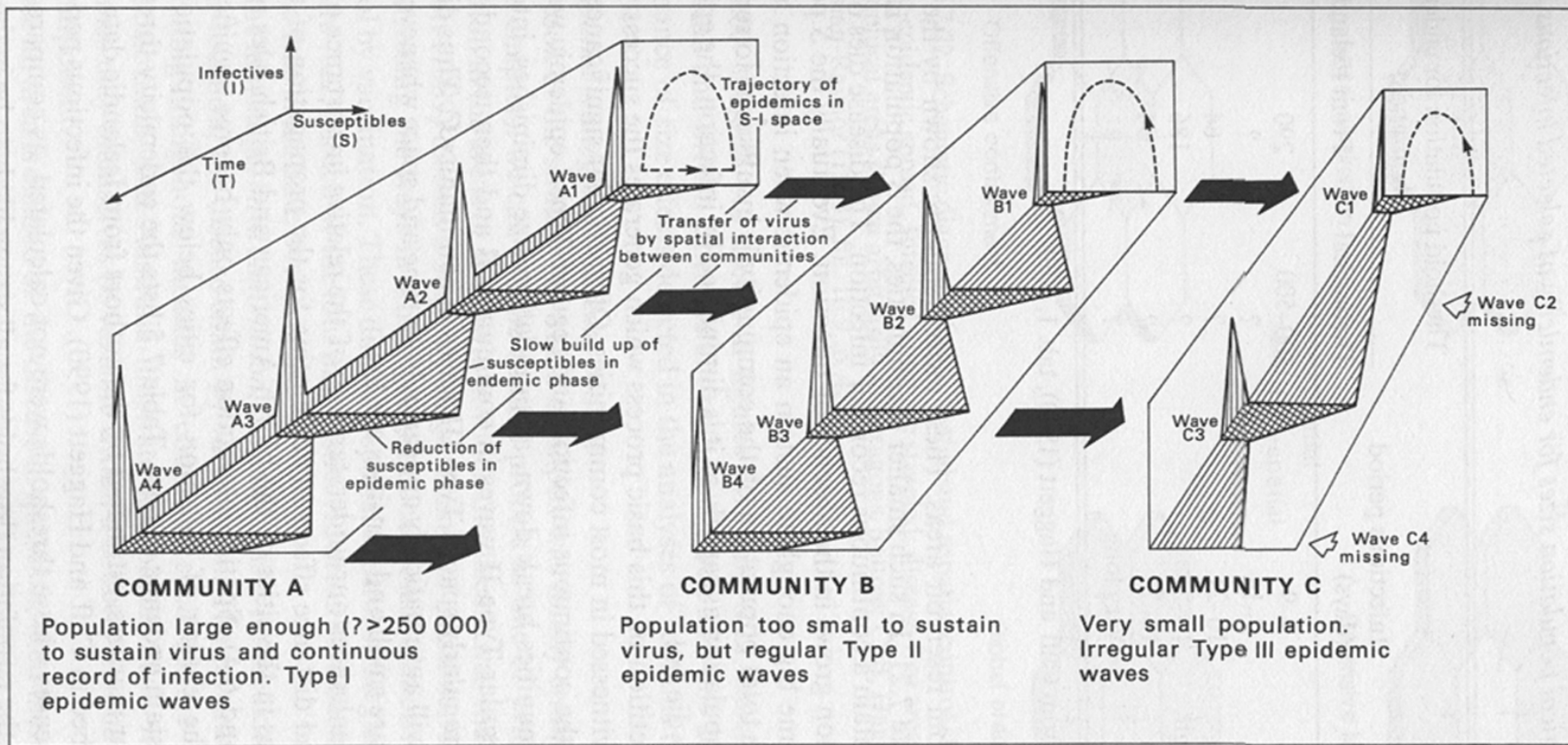


Figure 7.21. Conceptual view of spread of a communicable disease (measles) in communities of different population sizes. Stages in spread according to the Bartlett model. Source: Cliff and Haggett (1988), fig. 6.5A, p. 246.



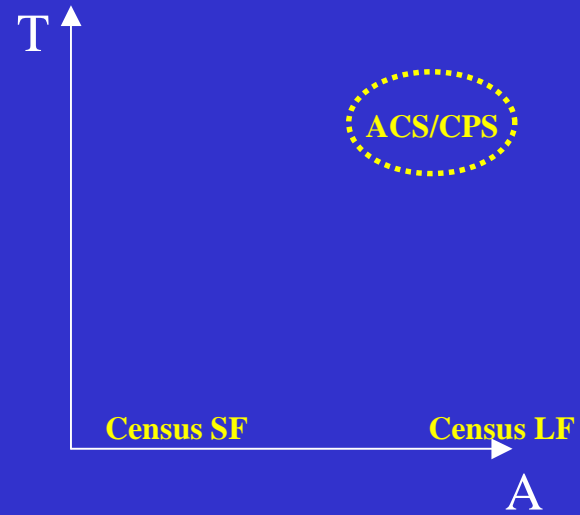
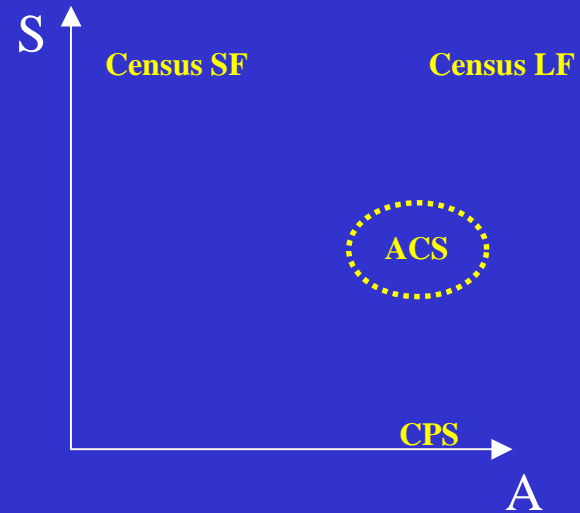
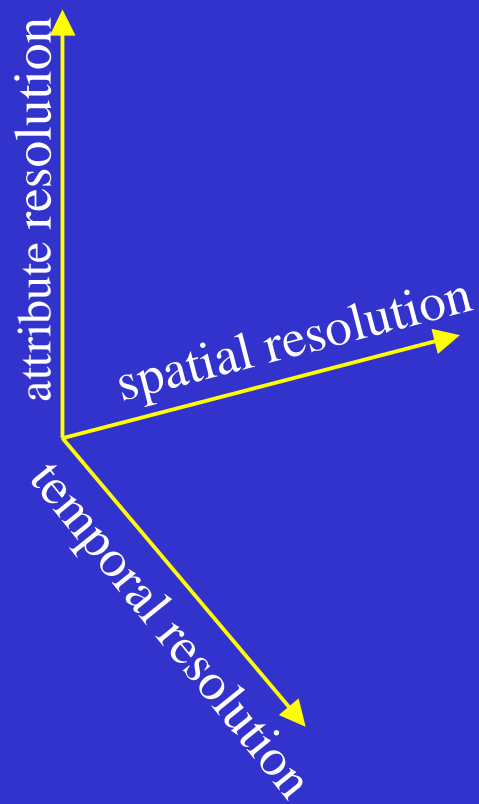
Possible risk factors for the social sciences

- Methodological and theoretical plurality/singularity
 - Quantitative-reductionist tendencies
 - Innumeracy
- Insularity
- Availability of data archives (spatial resolution)
- Policy relevance



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Resolutions: spatial (S) - temporal (T) - attribute (A)





Growth in doctorates

Figure 1. Doctorates awarded by U.S. colleges and universities, 1957-2000

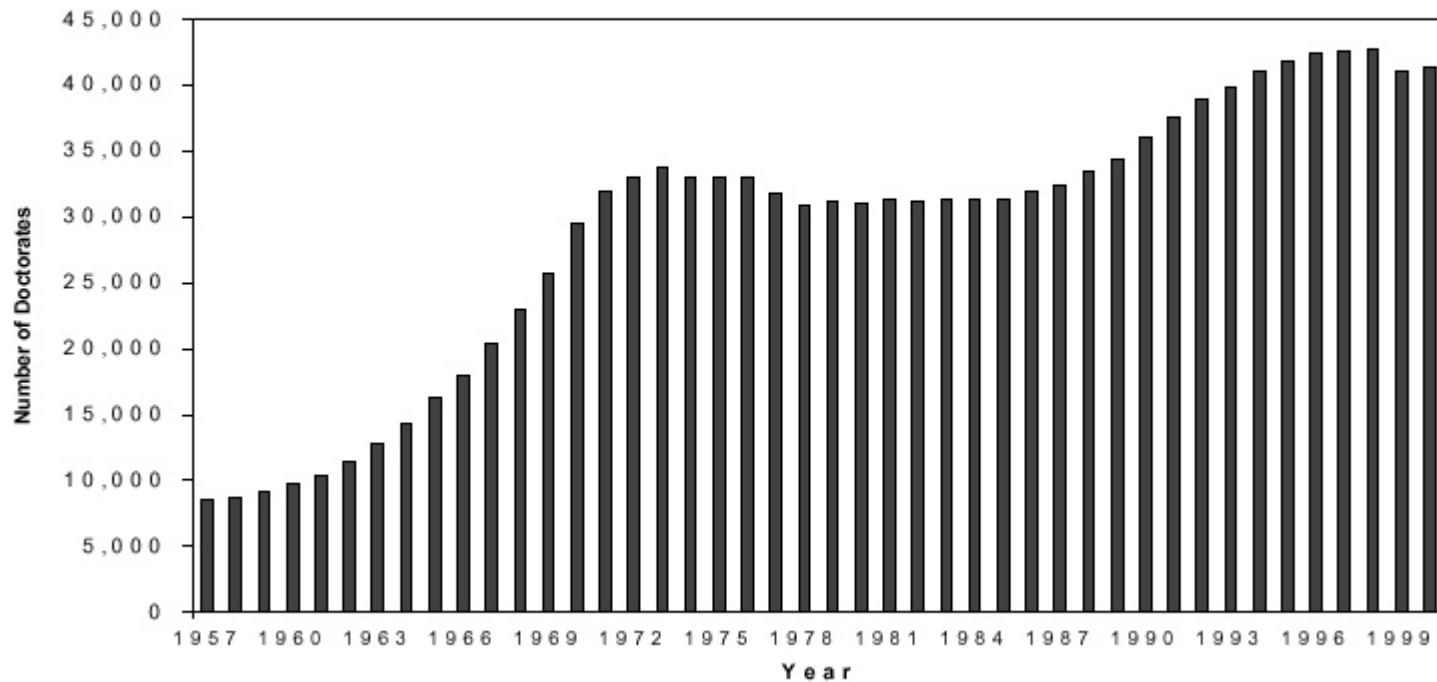
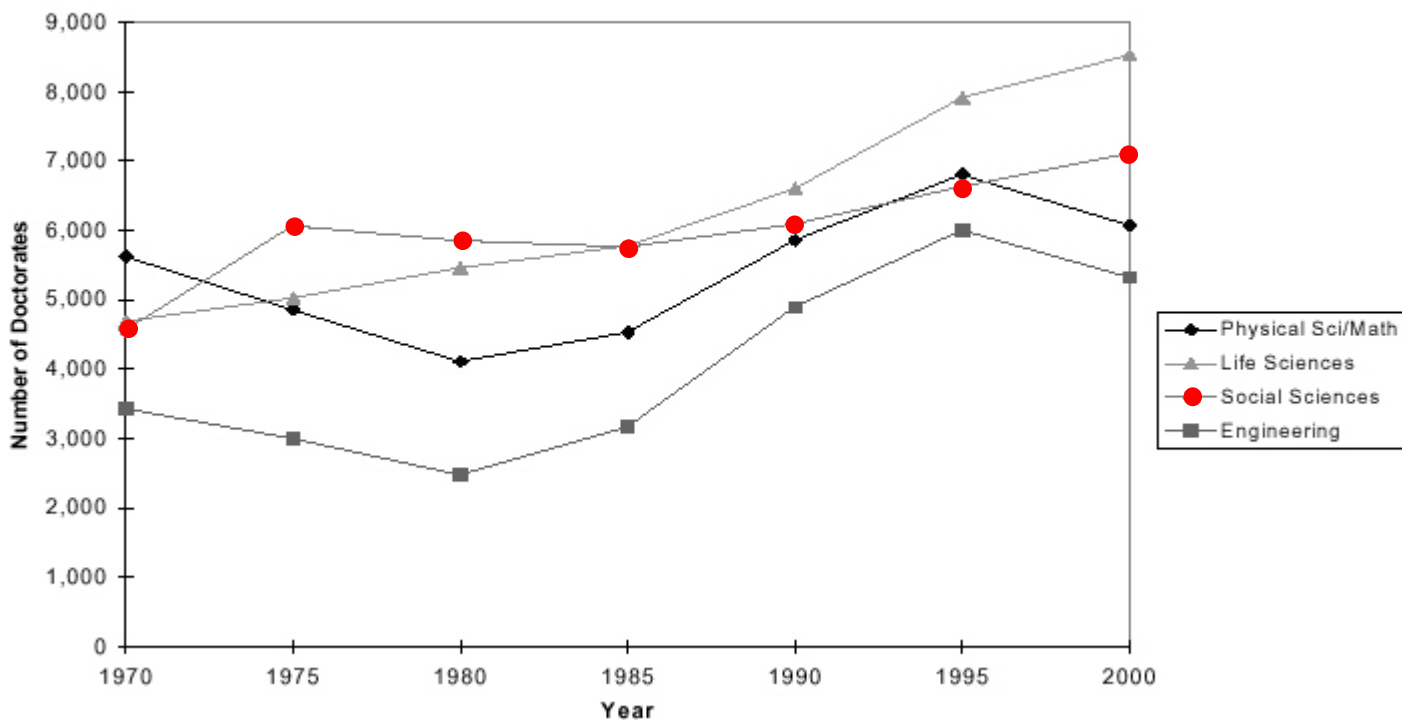


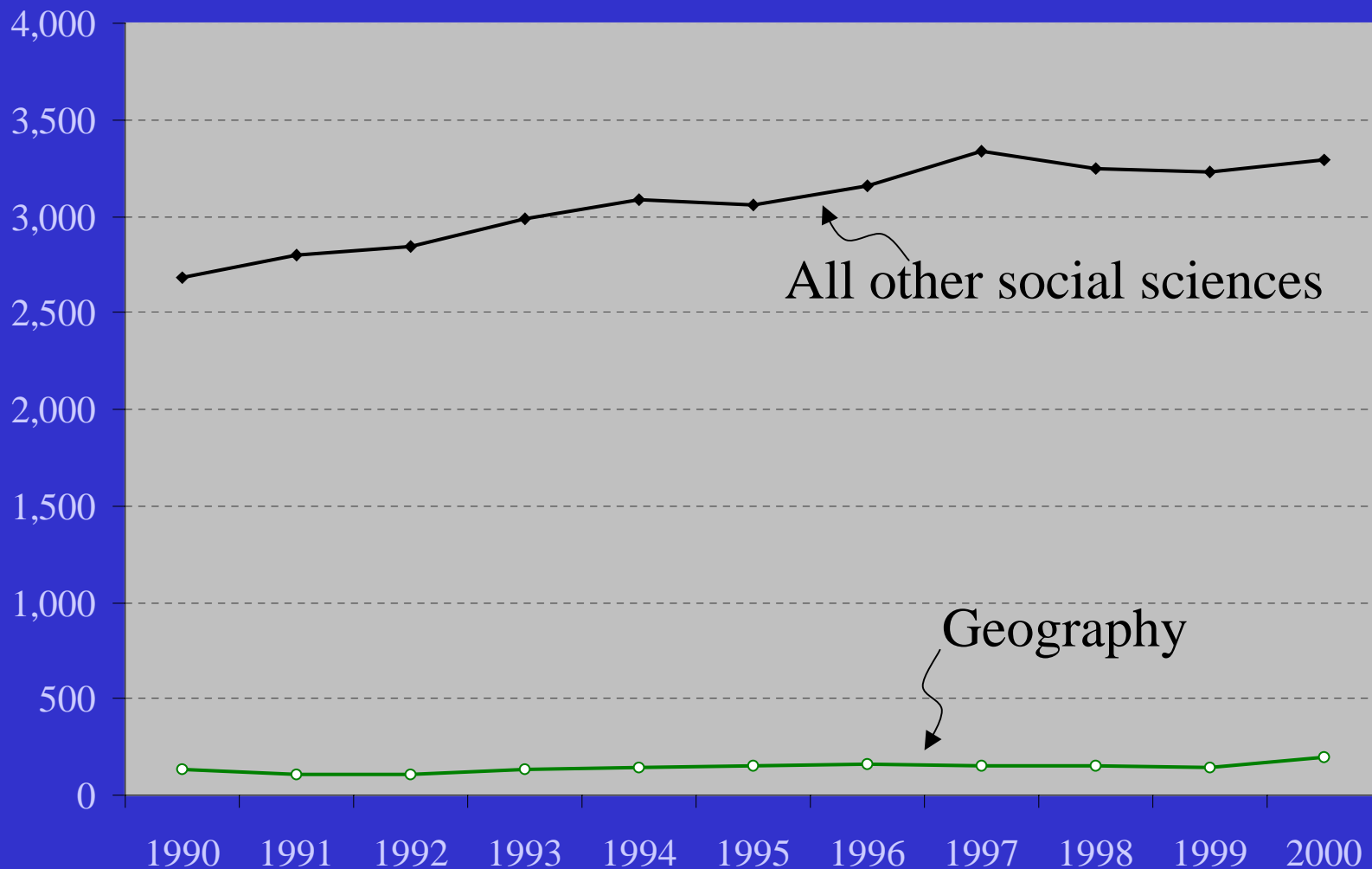


Figure 4. Science and engineering doctorates awarded by broad field, 1970-2000



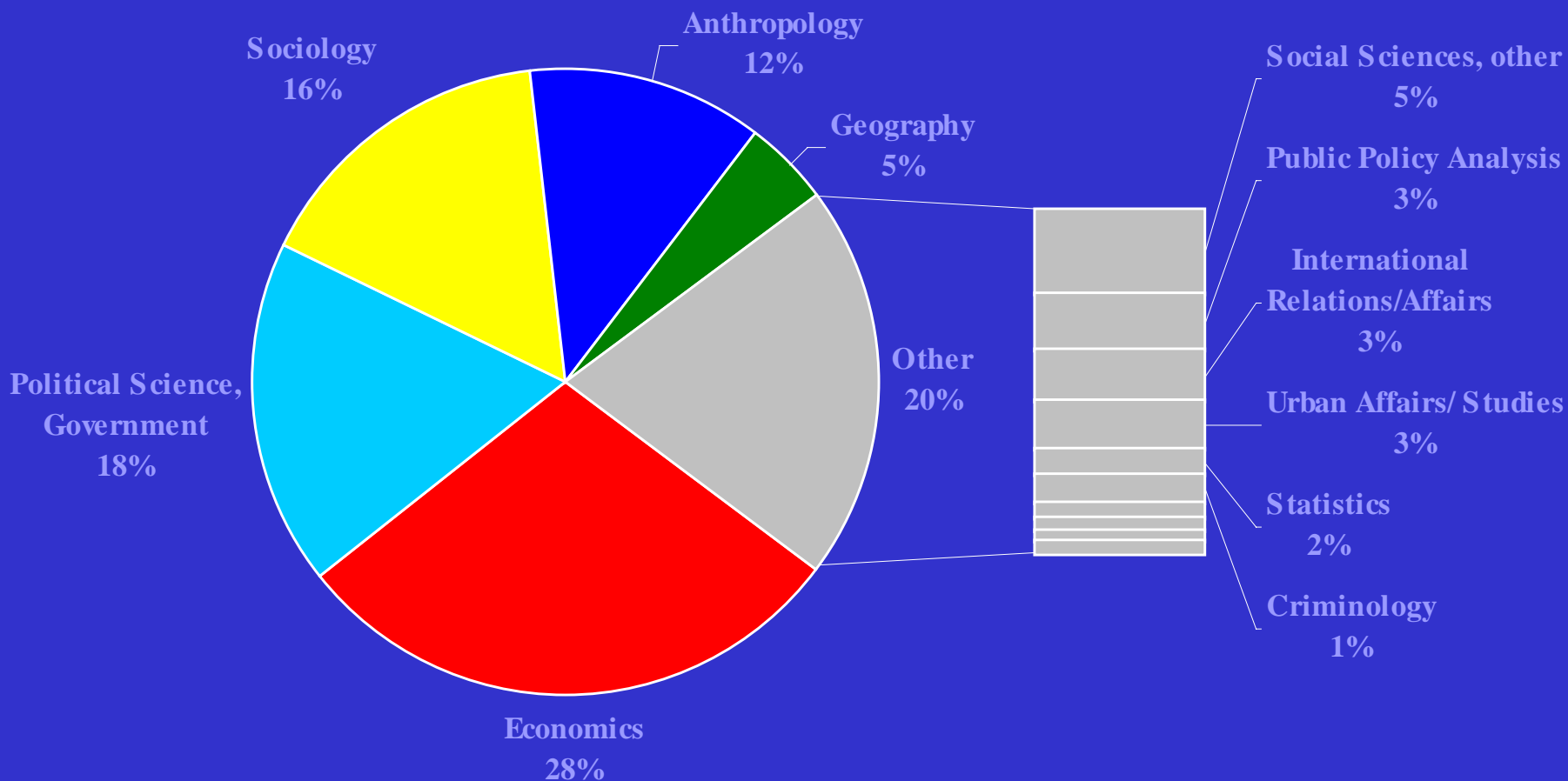


Doctoral recipients, 1990-2000 – David & Goliath?





Disciplinary distribution of social science doctoral degrees, 1990-2000





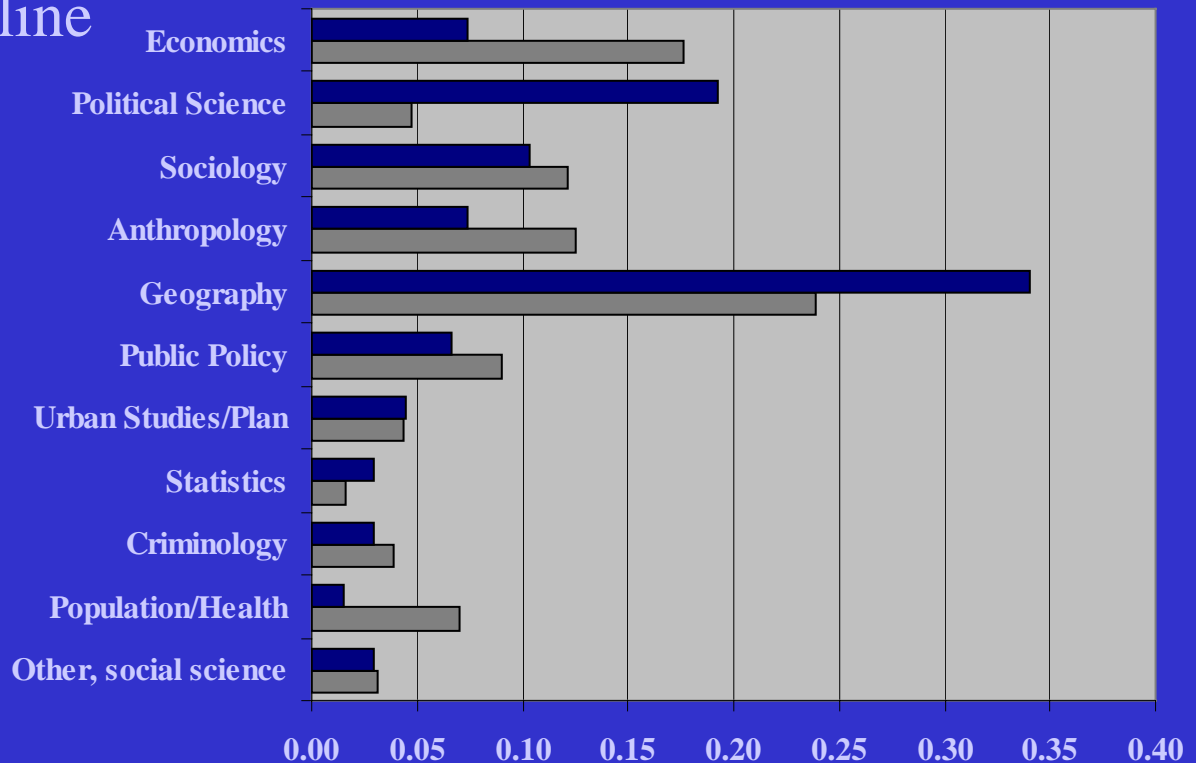
Workshop course offerings

- 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

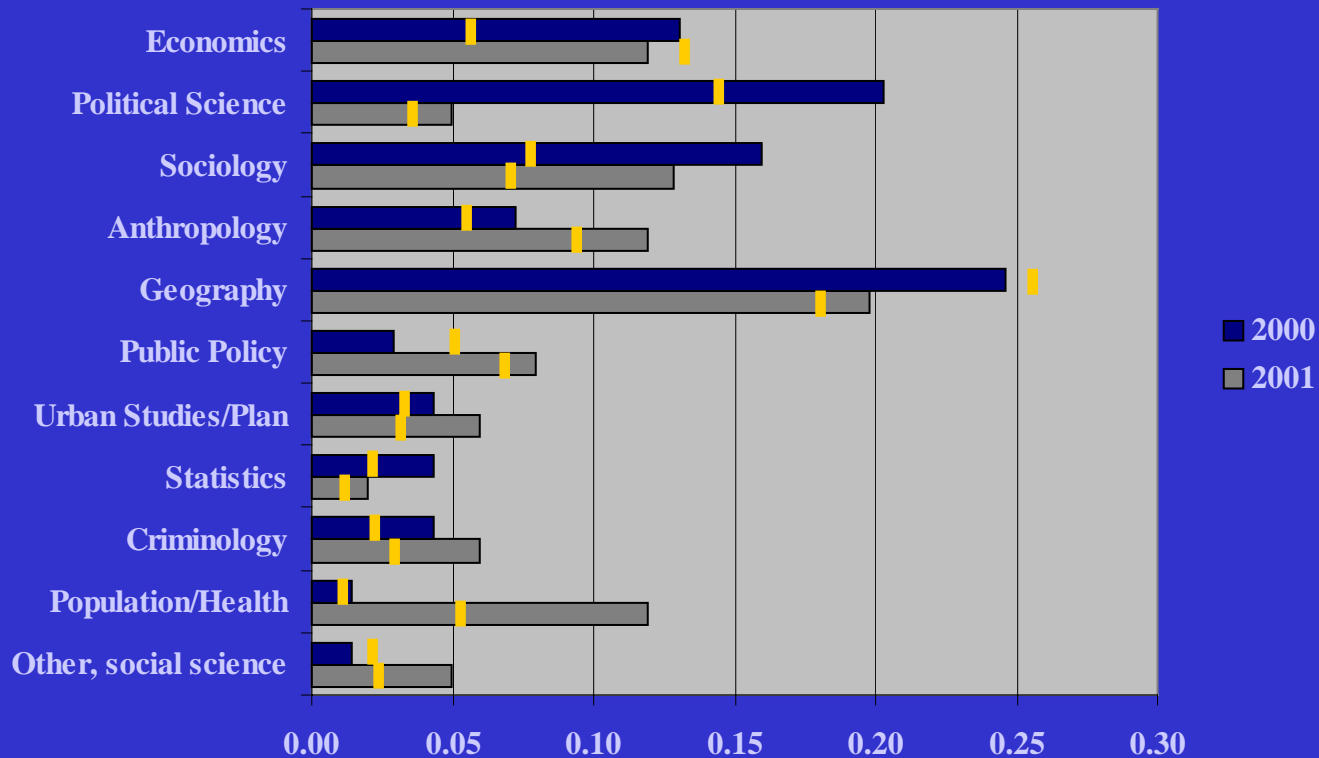
- Applicants: 152 (2000), 262 (2001)
- Applicants by discipline





Objective measures (cont.)

- Acceptances by discipline





Objective measures (cont.)

- Attendance by discipline and workshop

| | Accessibility | Map Making | Pattern Analysis | Spatial Regression |
|--------------------------------------|----------------------|-------------------|-------------------------|---------------------------|
| Economics | 0.19 | -- | 0.08 | 0.19 |
| Political Science | -- | 0.13 | 0.08 | -- |
| Sociology | 0.04 | 0.08 | 0.13 | 0.27 |
| Anthropology | 0.07 | 0.33 | 0.08 | -- |
| Geography | 0.33 | 0.13 | 0.17 | 0.15 |
| Public Policy Analysis | 0.15 | -- | 0.08 | 0.08 |
| Urban Affairs/Studies | 0.07 | 0.08 | 0.08 | -- |
| Statistics | -- | -- | 0.04 | 0.04 |
| Criminology | 0.04 | 0.04 | 0.08 | 0.08 |
| Demography/Population Studies | 0.11 | 0.04 | 0.13 | 0.19 |
| Other, social science | -- | 0.17 | 0.04 | -- |
| Total | 27 | 24 | 24 | 26 |



The word on the street...

- Testimonials
- Ongoing developments in economics
- Ongoing developments in demography
- Data driven community activism

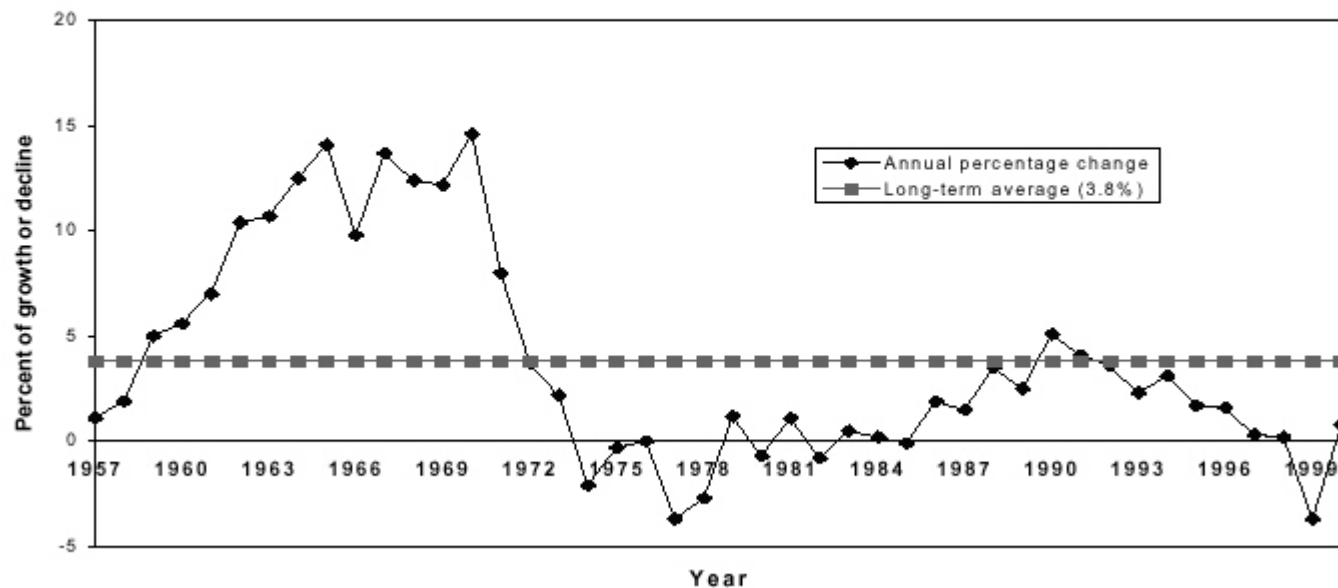


Discussion

- Evolving risk factors
- Altering the product line



Figure 2. Annual growth or decline in doctorates awarded by U.S. colleges and universities, 1957-2000





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