#### **UC Santa Barbara**

#### **Reports and Special Publications**

#### **Title**

Center for Spatially Integrated Social Science—Poster

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#### **Authors**

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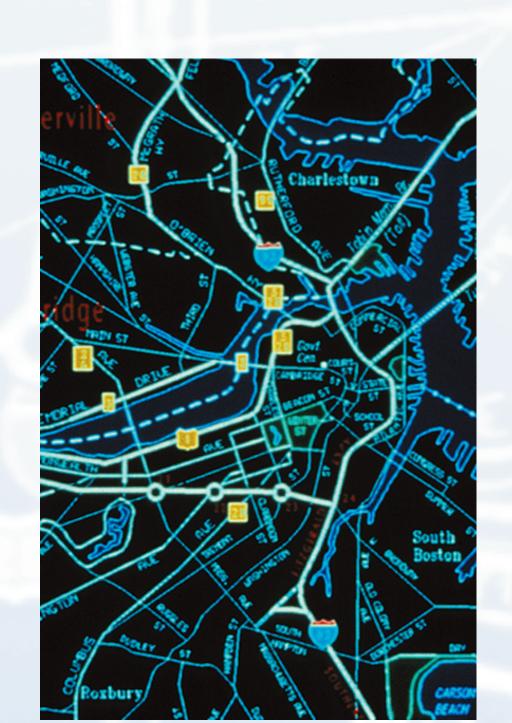


# Center for Spatially Integrated Social Science

## Spatial Resources for the Social Sciences

## WHAT IS SPATIALLY INTEGRATED SOCIAL SCIENCE?

CSISS recognizes the key role space plays in human society, and promotes research that advances our understanding of spatial patterns and processes. Cartographic visualization, geographic information systems (GIS), pattern recognition, spatially sensitive statistical analysis, and place-based search methodologies are the tools of spatially integrated social science used to integrate knowledge across disciplines and paradigms. From research design to the interpretation of research findings, the use of SISS can advance understanding in nearly every domain of the social and behavioral sciences.







#### CSISS

CSISS, founded in 1999, provides opportunities and intellectual focus to engage social and behavioral scientists in the explicit recognition of spatial perspectives and in the use of spatial analytic tools. CSISS is dedicated to building a national infrastructure for the broad dissemination of knowledge, research tools, and learning resources within the framework of a unified spatial approach to social science. CSISS is based at the University of California, Santa Barbara.

3510 Phelps Hall Santa Barbara, California CA 93106-4060, U.S.A.

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#### CSISS PROGRAMS

## SPECIALIST MEETINGS

CSISS organizes meetings that cut across traditional disciplinary boundaries to focus on gaps in knowledge that can be addressed through a spatial perspective. These meetings identify scientific agendas and workshop needs for young scholars, propose learning resources essential to the diffusion of tools and concepts, suggest the creation of new spatial research tools, and develop publications of exemplary social science applications. Recent CSISS Specialist Meetings at the University of California, Santa Barbara include:

- o Inequality and Equity MINICIPLE Externalities
- o Location-Based Services (ADVINICATION Spatial Data Analysis Software Tools

## NATIONAL WORKSHOPS

CSISS sponsors intensive week-long workshops and provides participant scholarships to introduce the latest and most authoritative approaches to the methods and tools of spatially integrated social science. Recent summer workshops and their coordinators have included:

- o Accessibility in Space and Time: A GIS Approach Dr. Mei-Po Kwan - Ohio State University
- o Map Making and Visualization of Spatial Dats in the Social Sciences Dr. Sara Fabrikant - University of Calfornia, Santa Barbara
- o Introduction to Spatial Pattern Analysis in a GIS Environment Dr. Arthur Getis - University of Calfornia, Santa Barbara
- o Introduction to Spatial Data Analysis an ICPSR workshop hosted by CSISS Dr. Luc Anselin - University of Illinois, Urbana-Champaign

## LEARNING RESOURCES

CSISS aims to develop learning resources covering core spatial concepts and exemplary research approaches. These include lecture outlines, exercises, interactive learning modules, and demonstrations, and are made available through the website.

## BEST PRACTICE EXAMPLES

CSISS seeks to identify outstanding uses of spatial analytic approaches that advance theoretical understanding and empirical testing in social science. Such exemplary research is featured in CSISS publications, and contributes to the creating of learning resources. Books for publication in 2003 include:

- o Spatially Integrated Social Science (Oxford University Press).
- Michael F. Goodchild and Donald G. Janelle, editors
- o Advances in Spatial Econometric Modeling: Methodology, Tools and Applications (Springer-Verlag). Luc Anselin, Raymond J.G.M. Florax, and Sergio J. Rey, editors

## SPATIAL ANALYTIC TOOLS

CSISS researchers at the University of Illinois at Urbana-Champaign (under the direction of Dr. Luc Anselin) seek to develop and disseminate a powerful and easyto-use suite of software for spatial data analysis, to advance methods of statistical analysis to account for spatial effects, and to integrate these developments with GIS capabilities.

## PLACE-BASED SEARCH

In collaboration with UCSB's Alexandria Digital Library and its ADEPT initiative (Alexandria Digital Earth Prototype), CSISS is developing services to enable search and delivery of geographically referenced information on the World Wide Web and in digital libraries.

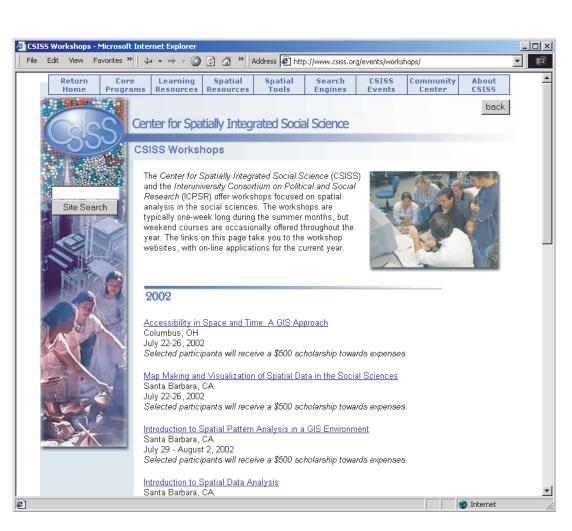
## VIRTUAL COMMUNITY

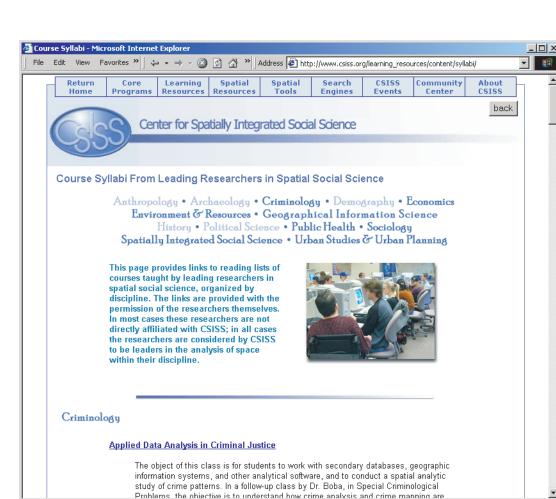
CSISS is developing an open, virtual community to share spatial analytic software, foster discussion about spatial approaches in the social sciences, provide learning resources, and highlight information on workshops, conferences, and the latest innovations and applications of spatial analysis.

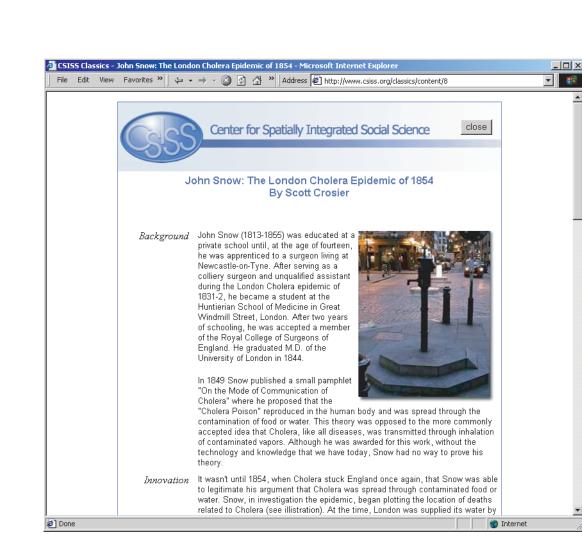
Please review these developments at: www.CSISS.org

## CSISS WEB SITE - www.csiss.org









#### CSISS PERSONNEL

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