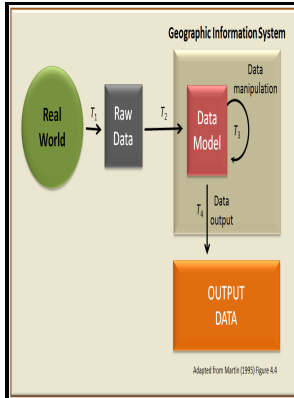


Geographic information systems and crime analysis

Idea Group Publishing - Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems: 9781599045917: Security & Forensics Books



Description: -

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Digital mapping.

Geographic information systems.

Crime analysis -- Data processing. Geographic information systems and crime analysis

-Geographic information systems and crime analysis

Notes: Includes bibliographical references and index.

This edition was published in 2004



Filesize: 36.46 MB

Tags: #What #is #Geospatial #Crime #Mapping?

Geographic Information Systems and Crime Analysis: 9781591404538: Security & Forensics Books

Albany, NY: State University of New York Press. Exactly where are all of a city's fire hydrants? The method used to portray a part of the spherical Earth on a flat surface, whether a paper map or a computer screen, is called a map projection.

Geographic Information Science and Crime Analysis

Chicago: University of Chicago Press.

Geographic Information Science and Crime Analysis

The goals of these projects focus on informed decision making at the community level, improve land and resource use, transfer data between the Federal Government and communities, and have communities contribute data sets to national data clearinghouses. Monsey, NY: Criminal Justice Press and Washington D.

Geographic Information Systems and Crime Analysis

To accomplish these challenging goals, there is a need to draw experience and knowledge from simulation studies in other disciplines such as GIS, computer science, engineering, and transportation. Most of the information we have about our world contains a location reference: Where are USGS streamgages located? They need to identify statistically significant patterns. Routine activity theory, crime pattern theory, and rational choice perspectives inform the construction of this simulation.

CiteSeerX — Geographic Information Systems and Crime Analysis in Baltimore County Maryland

There has also been increasing interests in GIS analysis of crime from various academic fields including criminology, geography, urban planning, information science and others.

Geographic Information Systems and Crime Analysis

GISs can be used as a tool to identify factors contributing to crime, and thus allow police to proactively respond to the situations before they become problematic. Hursey, Tonya Stroman, and Arvind Verma present an interactive visualization that provides an accurate and intuitive view of the criminal activity in a cityscape.

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In Chapter 12, Characterizing the Spatio-Temporal Aspects of Routine Activities and the Geographic Distribution of Street Robbery, Elizabeth Groff examines how the spatial patterns of simulated street robberies vary as she experiments with different methods for operationalizing routine activities of the agents. Scale: is crime modeled at the person and place level micro or at some aggregate level, such as population or neighborhood macro. Using GIS, can overlay other datasets such as census demographics, locations of pawn shops, schools, etc.

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