

Hot Times, Hot Places and Crime: Understanding More About Crime Hotspots

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An introduction

- **11 years Metropolitan Police**
Patrol, intelligence, diplomatic protection
- **BSc and PhD University of Nottingham**
- **School of Policing Studies, NSW Police College**
Lecturer in Policing (Intelligence)
- **Australia's National Strategic Intelligence Course**
Academic Coordinator
- **Australian Institute of Criminology**
Senior Research Analyst
- **Temple University, Philadelphia**
Associate Professor, Dept of Criminal Justice

UK National Intelligence Model

Four intelligence products

Strategic
Assessments

Tactical
Assessments

Target
Profiles

Problem
Profiles

- **Aim:** Identify established and emerging crime/incident series and hotspots.
- **Purpose:** Assist investigative needs, hotspot management, targeting, crime reduction and prevention.

Intelligence-led crime reduction

UK Criminal Intelligence Strategy Group (Working Group 3) said:

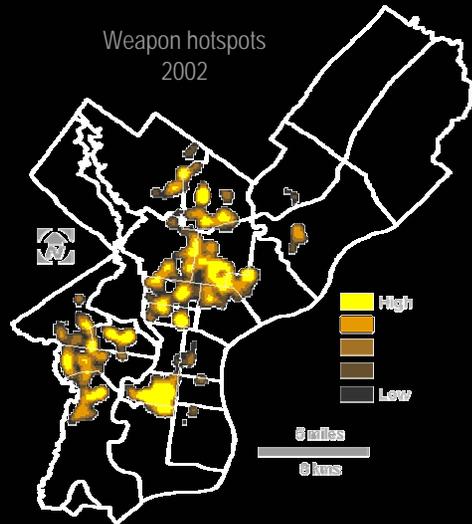
“Analysts should not simply provide management with statistics and colourful charts but a real understanding of criminal activity **and the direction in tackling it.**”

Not sufficient to identify the hotspot – analyst must also suggest a solution

Mapping hotspots over time

Weapon hotspots
2002

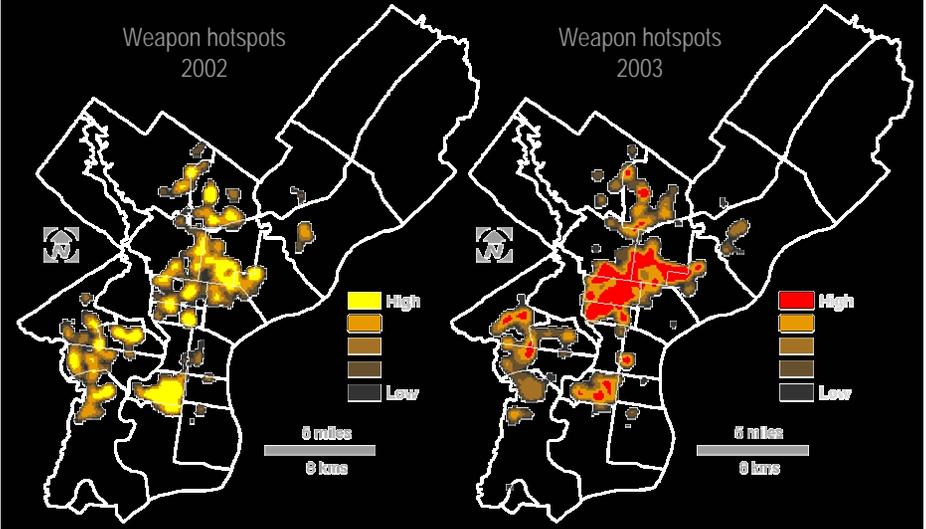
Weapon hotspots
2002



Mapping hotspots over time

Weapon hotspots
2002

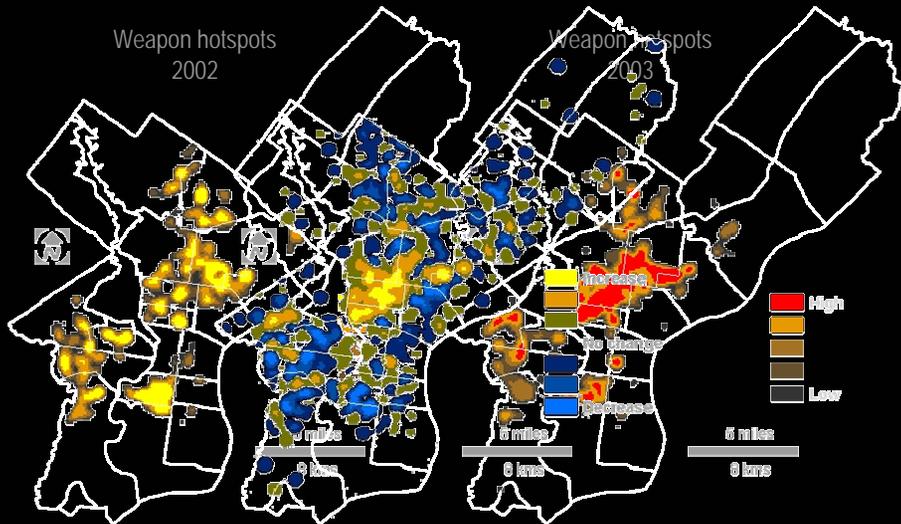
Weapon hotspots
2003

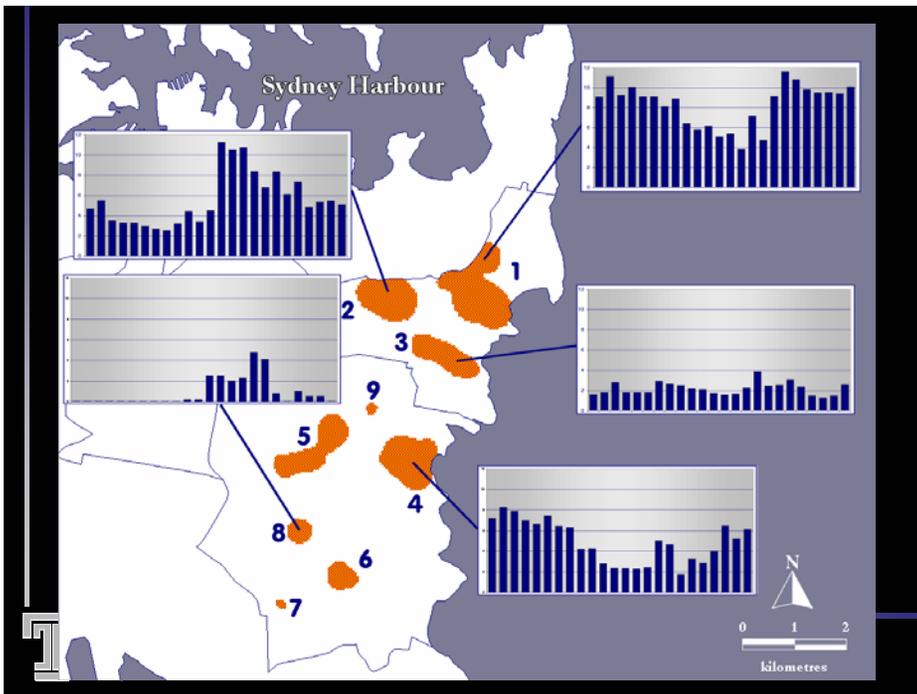


Mapping hotspots over time

Weapon hotspots
2002

Weapon hotspots
2003



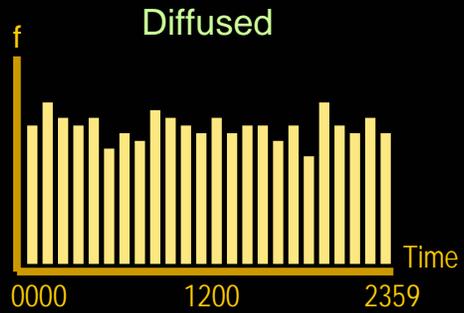


This session

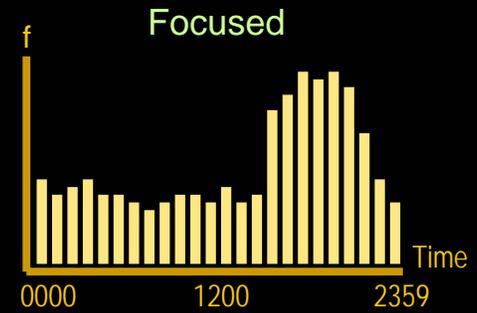
- ◆ Explore spatial and temporal crime patterns
 - ◆ Two examples from Australia
- ◆ Consider three basic typologies of crime hotspot
 - ◆ $3 \times 3 = 9?$
- ◆ Different ways to reduce crime in hotspots
 - ◆ Nick Tilley street crime example
- ◆ Jerry's final thoughts



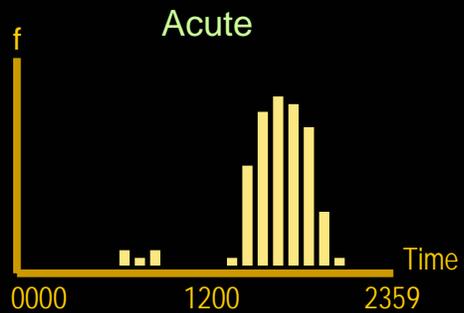
Temporal components



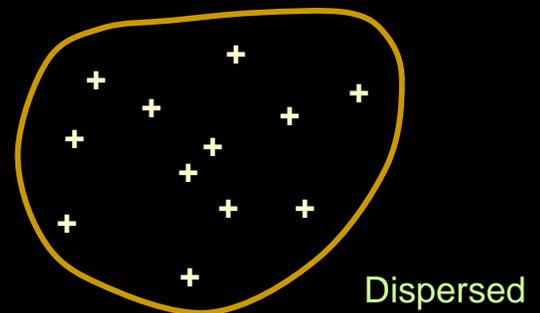
Temporal components



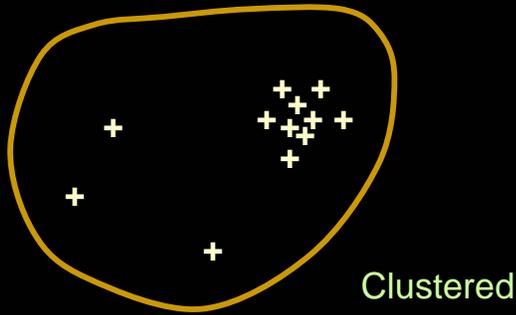
Temporal components



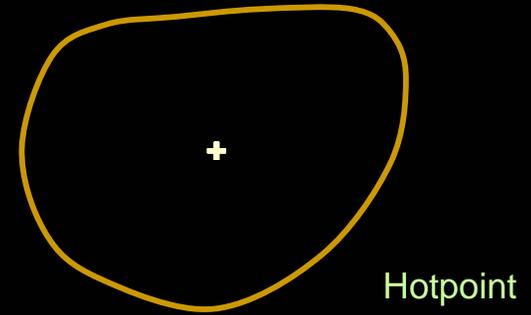
Spatial components



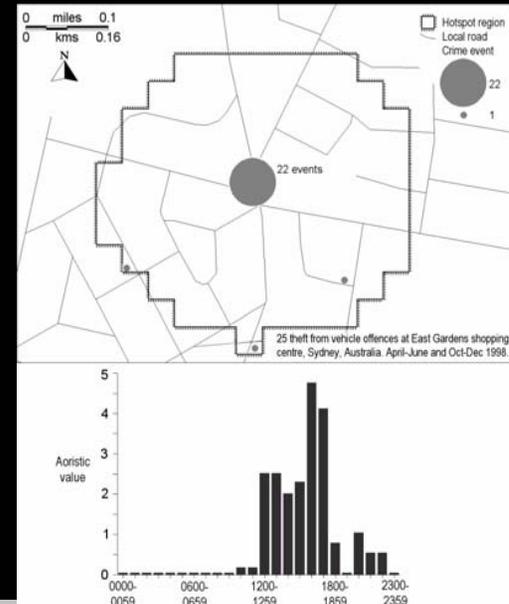
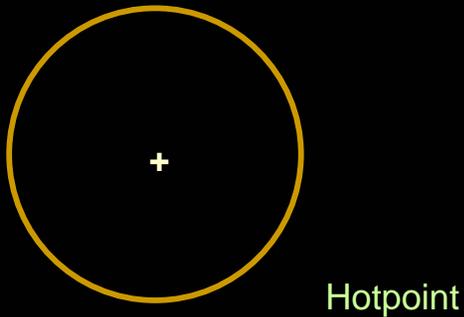
Spatial components



Spatial components

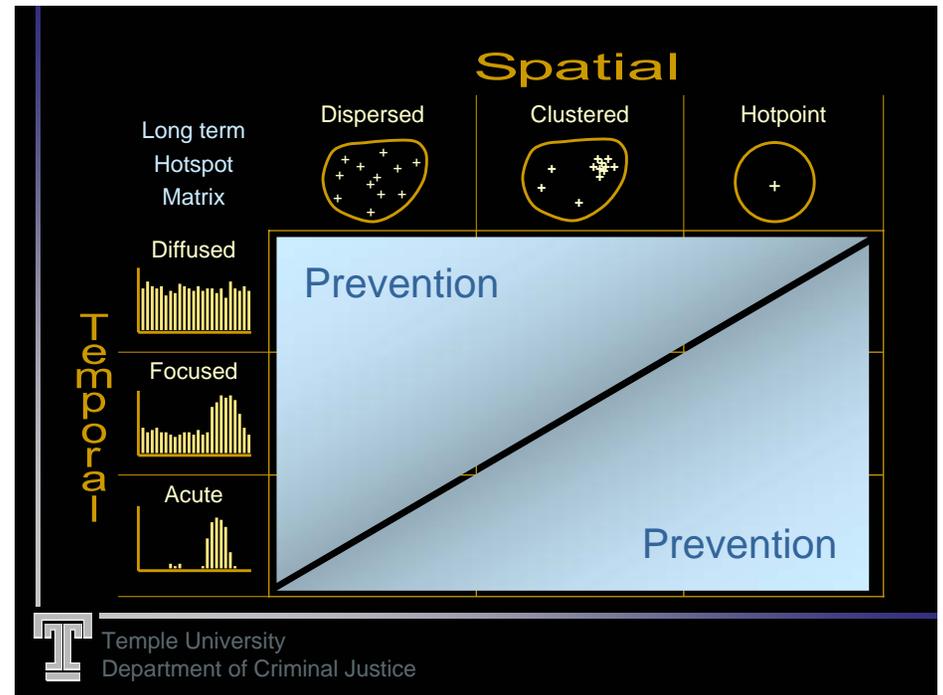
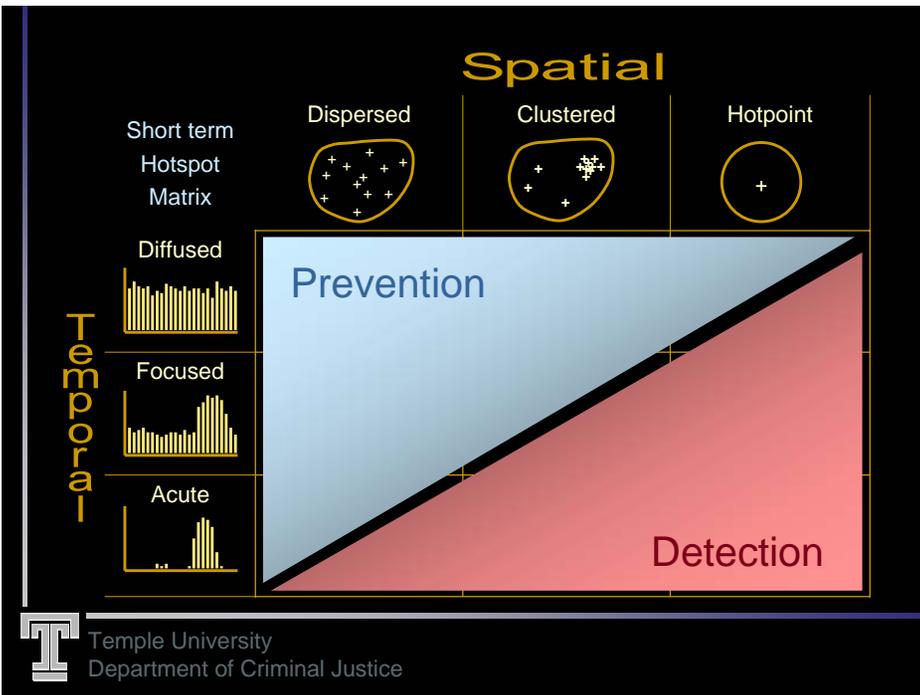
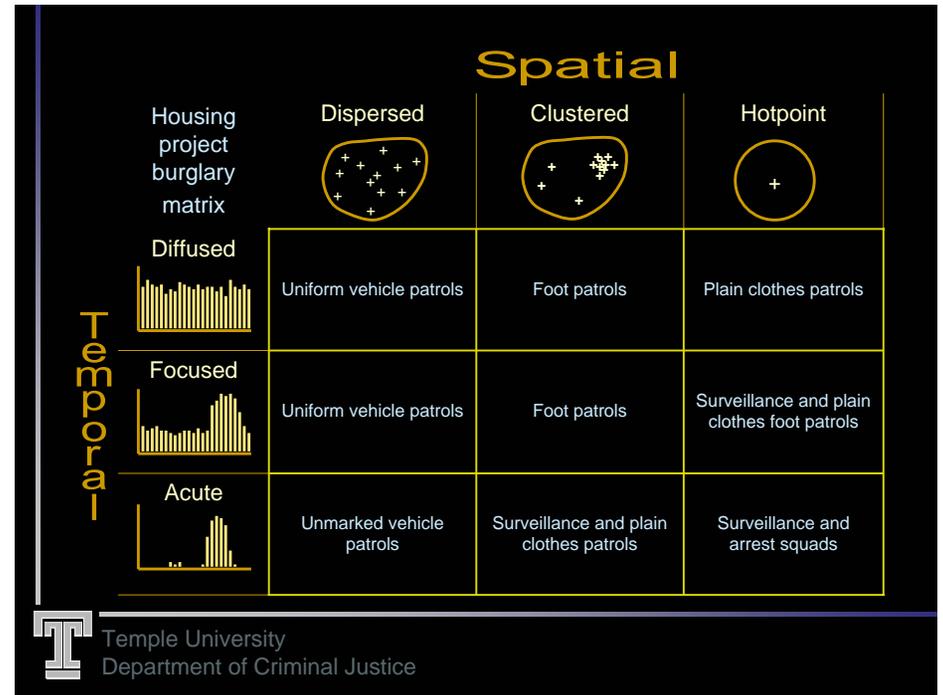
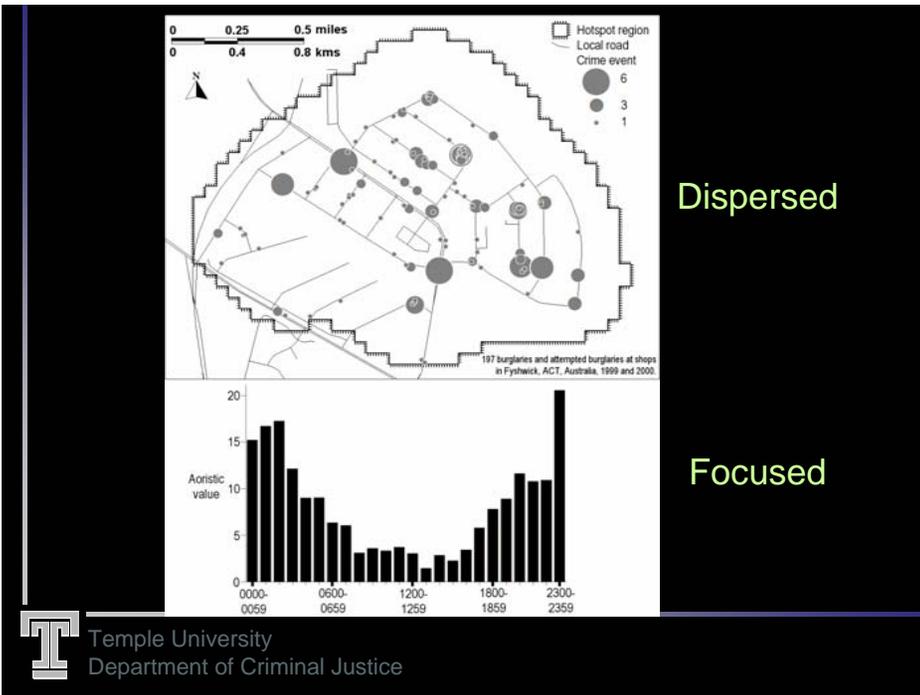


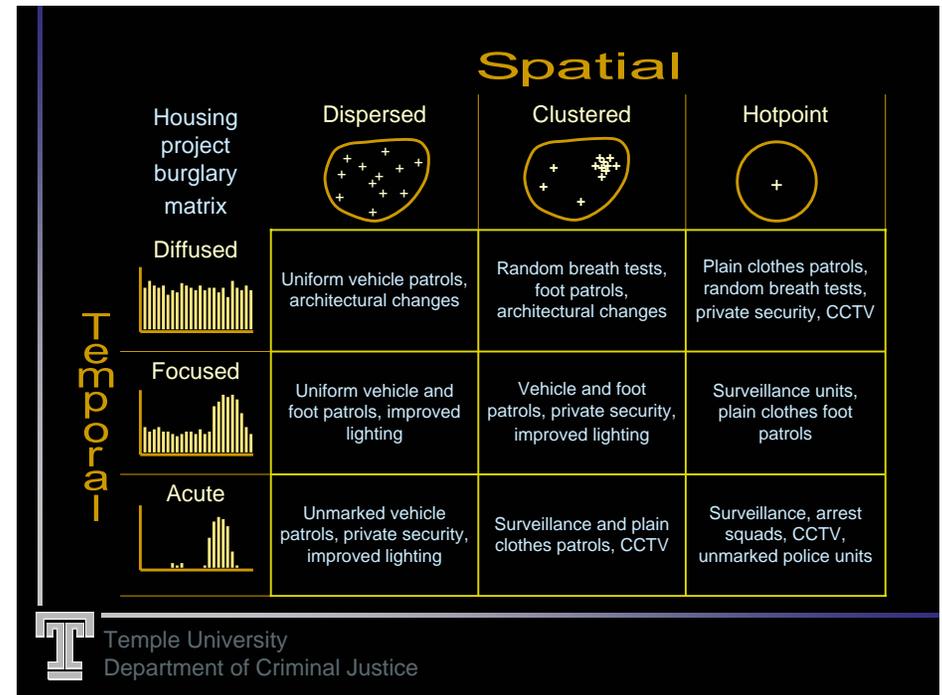
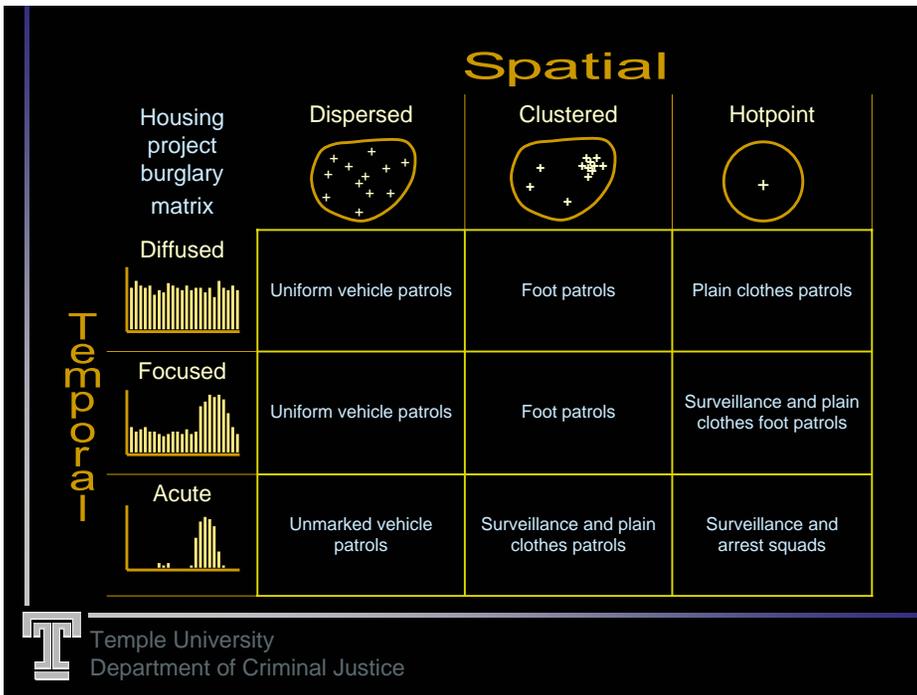
Spatial components



Hotpoint

Acute

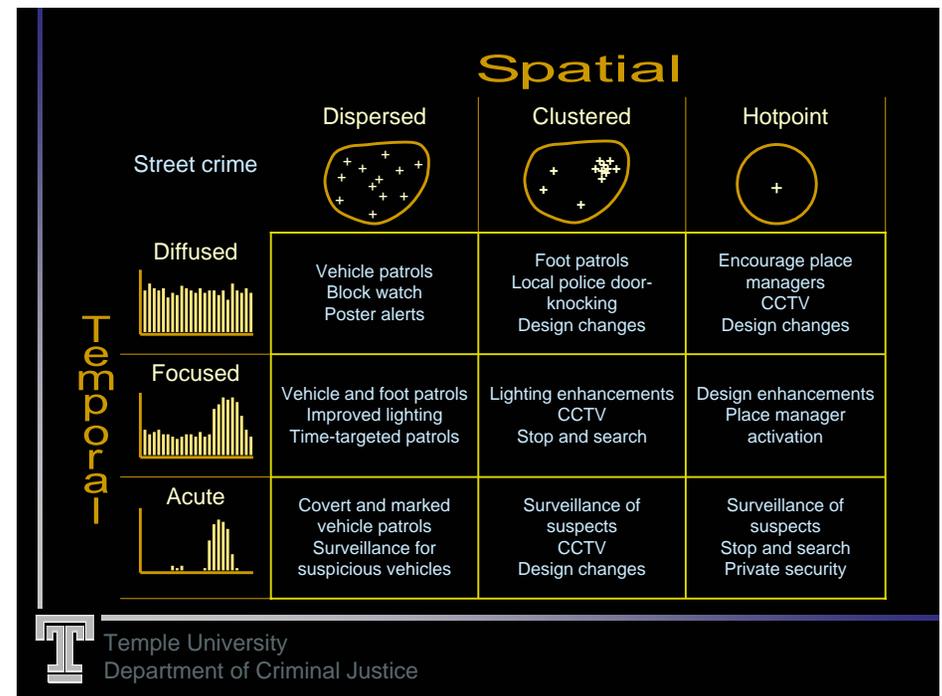




Nick Tilley's matrix for street crime

- Home Office colleagues and Nick
- Use matrix to draw together guidance on effective problem-solving

Temple University
Department of Criminal Justice



Final thoughts

- Don't get hung up on semantics
 - Featured in becoming a problem-solving analyst
- Don't rely on policing responses
- The best long-term responses don't involve law enforcement

Final thoughts

- Don't get hung up on semantics
- Don't rely on policing responses
 - Consider the Sydney car crime example...
- The best long-term responses don't involve law enforcement

Want to read more? www.jratcliffe.net

Jerry Ratcliffe's homepage

Welcome! By way of introduction, I'm a former police officer turned academic (courtesy of a mountaineering accident), with research interests in the areas of spatial crime analysis and crime mapping, and how these and other techniques integrate with law enforcement criminal intelligence and the drive for crime reduction. I also have worked for a number of years in the education area of strategic criminal intelligence. I'm an associate professor at Temple University in Philadelphia.

Jerry's top ten tips

PowerPoint advice, presentation tips, essay writing guide, how to reference, how to study, Jerry's top ten mapping tips.

Research publications

A selection of recent publications written or co-written by the author. Most available to download in pdf format.

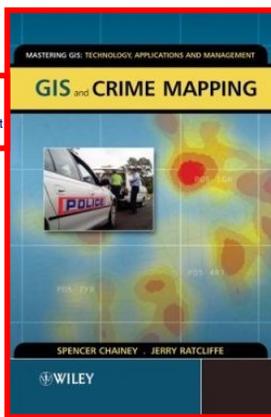
Research and spatial questions

Current research being undertaken by the author in the field of crime mapping/spatial and temporal analysis. Information about the Aoristic analysis, the Modifiable Areal Unit Problem and other current issues.

Published books

Strategic Thinking in Criminal Intelligence

A book that deals with the way that law enforcement establishes priorities in the face of a dynamic and complex criminal environment. Part perspective, part instructional and part polemic, it deals directly with the mechanisms of strategic criminal intelligence analysis at the highest levels of policing. **Read**



Download software

A few Mac/PC routines that you might find useful, and SPAM (a better place to find HotSpot

Chapter 9
generate crime density maps from within MapInfo with minimum effort. Designed for police officers who may not have a GIS/spatial analysis background. Includes a geocoding address scrubber and temporal analysis graphers. HotSpot Detective® is a registered trade mark.

Contact details and cv

Snail mail contact details, and an on-line cv. If you want an alternative resume from the stuffy professional one, **try looking here...**

Student links

Specific documents and data for my students.

Conference notes

Handouts, web sites referenced and general notes from selected conference presentations.

Top ten links

OK, so it might be difficult picking ten good links, but these are my favourites...

About crime mapping

A brief background to the theory and application of crime mapping. Be advised that this section is pretty dated now.

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