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### Mapping the unseen: Dissecting property crime dynamics in urban Malaysia through spatial analysis

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Kevin Stewart, Andrea Cantora

The Encyclopedia of Crime and Punishment, [1]

Property Crime

Heidi Copes, Logan Lavender

The Blackwell Encyclopedia of Sociology, [1]

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The Blackwell Encyclopedia of Sociology, [1]

#### Abstract

Extensive research over the years has illuminated how urban land use and development intricately influence property crime dynamics. Yet, there remains a notable paucity of simultaneous explorations of spatial-temporal patterns and their correlation with urban geography. This study aims to bridge this gap by employing advanced spatial analytical techniques, providing a nuanced understanding of how property crime is distributed and how it evolves within the urban fabric of Malaysia. This research rigorously investigates the spatial-temporal patterns of property crime within the urban context of Kuala Lumpur and Selangor in Malaysia, utilizing a novel combination of mean center and standard deviational ellipse methodologies. Concentrating on the regions of Selangor, the Federal Territory of Kuala Lumpur, and the Federal Territory of Putrajaya, the study meticulously analyzes property crime data spanning from 2015 to 2020. This analysis uncovers pivotal insights into the distribution and trends of criminal activities. The integration of these spatial analytical techniques not only facilitates the identification of