Abstract

ArcBurg a Promising Residential Burglary-Forecasting Modeling Extension
Track: Law Enforcement and Criminal Justice
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This paper describes a developing project originating in the City of Philadelphia Police Department and investigates a promising residential burglary-forecasting raster model. Burglary remains a primary concern citywide and serves as a precipitating crime for more violent and socially disruptive crimes such as robbery, assault, and drug use. This application assists in proactively determining weekly geographic areas at the block level that are most susceptible to burglary by statistically weighting normalized leading indicator raster layers. The resulting map of susceptibility gives commanding officers a valuable tool to utilize for more effective, proactive deployment of their resources.

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