

## Spatial intensity study of vehicle thefts using models for point processes

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**Abstract:** *Brazil's theft of vehicles has been increased in recent years. In this work, we identify regions with elevated risk of theft occurrences in the city of São Paulo during 2018 and we used log-Gaussian Cox process. We have found that this model is suitable for detecting areas at risk.*

**Keywords:** Spatial statistics; Point pattern; Crime; Cox process.

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