

USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

David Jacobson

Multi-Scale and Integrated Analysis for Predicting the Risk of Urban Violence

Urban violence, defined as “acts of violence between individuals or small groups of individuals” living in cities, kills up to five times more people than armed conflict. As such, addressing urban violence has become an urgent concern. By collaborating across disciplines, including sociology, computer science, and social science, this project seeks to develop innovative data science-based approaches for analyzing the drivers and location of urban violence in low- and middle-income countries. The objective is to design predictive tools that dynamically anticipate the risk of urban violence at the city block or neighborhood level to, ultimately, assist policymakers in addressing the drivers of urban violence.

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