



THE UNIVERSITY OF TEXAS AT AUSTIN
CENTER FOR TRANSPORTATION RESEARCH

Safety Research at the
Data-Supported Transportation
Operations and Planning (D-STOP) UTC

Dr. Jen Duthie
March 19, 2015

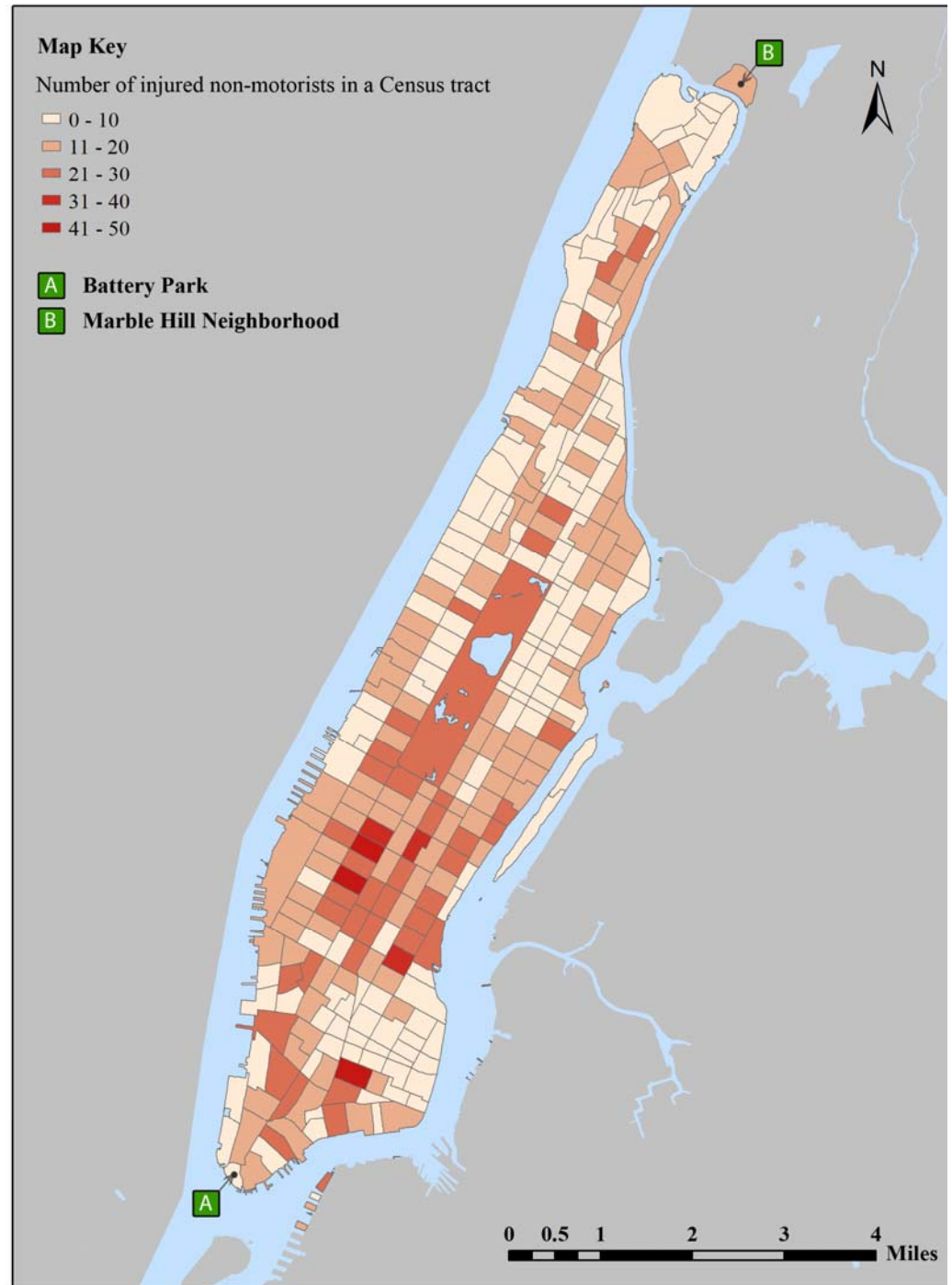


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Crash Prediction

- Spatial multivariate count model to jointly analyze traffic-related counts of pedestrians and bicyclists by injury severity

Source: <http://crashstat.org/>





Crash Prediction

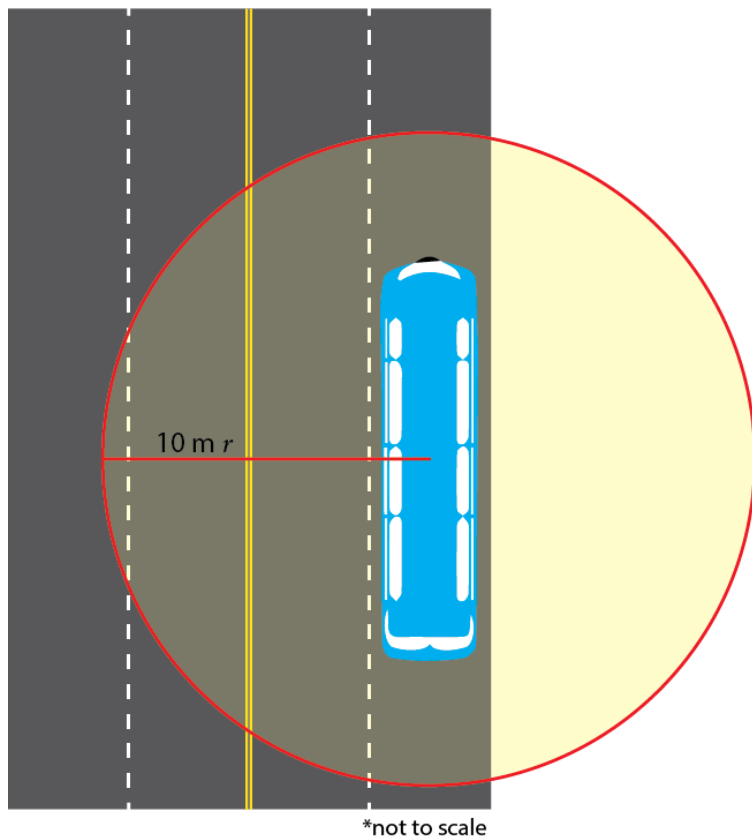
- Predicting crash frequency at urban intersections with a count data model with endogenous covariates



Source: hotpads.com



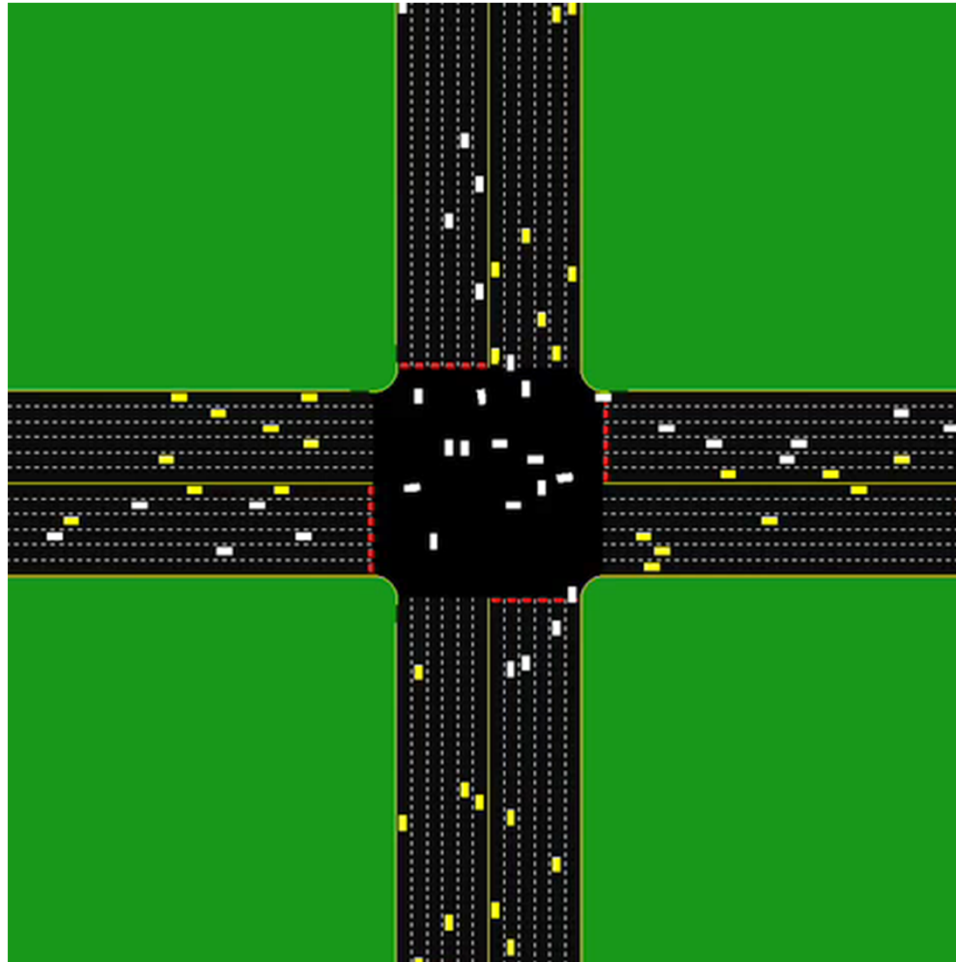
Vehicle Tracking with Fine-Grained GPS





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Autonomous Vehicle Intersection Modeling





Thank you.

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