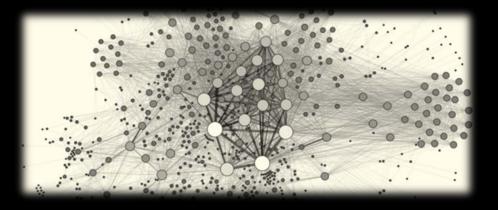


Kungliga Tekniska Högskolan Stockholm, Sweden – September 8, 2017

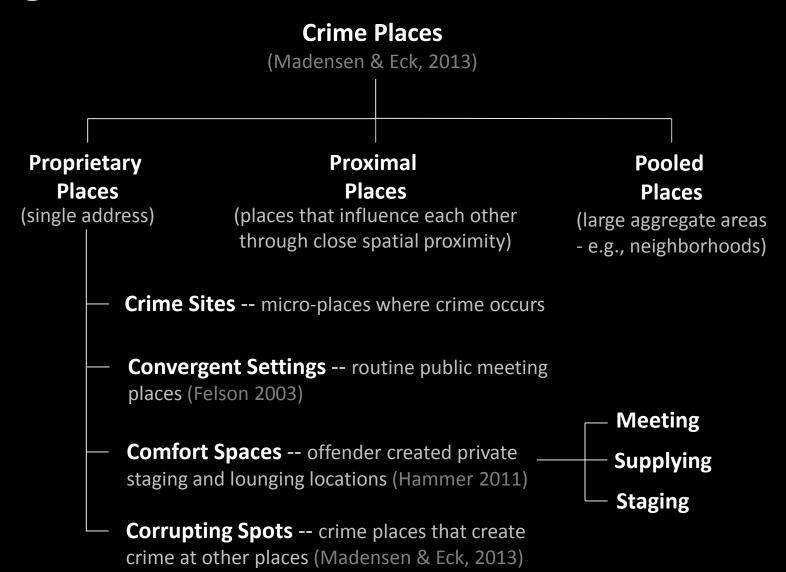
Evidence Supporting Crime-Place Networks

- Crime is concentrated across places, offenders, victims
 - 80-20 Rule
- Offenders, victims, and crime places are networked.
- Persistent crime hotspots result from overlapping networks.
- Most violent crime, across any city, occurs in small, identifiable micro-locations.

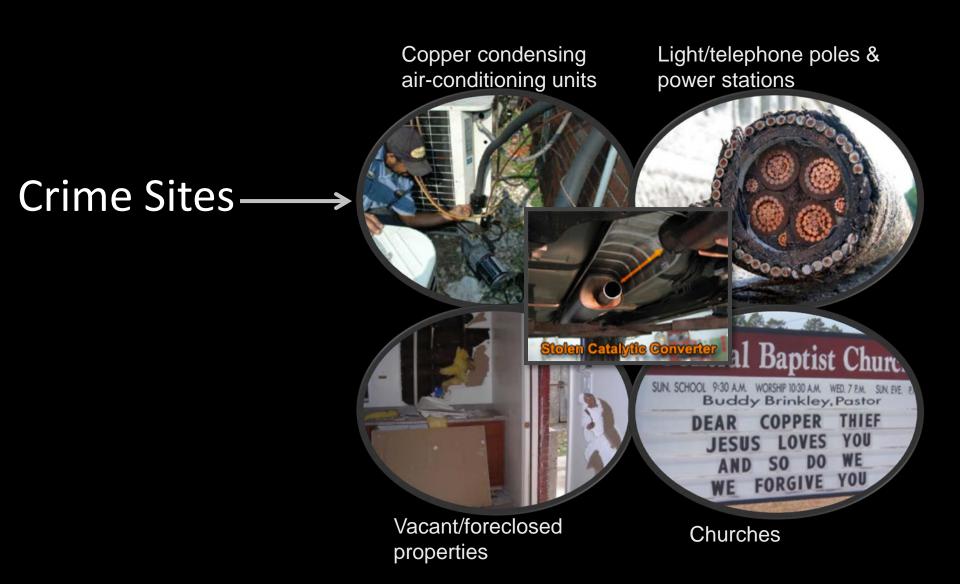




Organization of Violent Place Networks

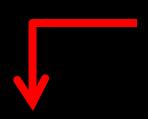


Crime Places and Copper Theft



Crime Places and Copper Theft

What we see !



Crime Sites



What we don't see

Comfort Space



Staging location where offenders park & meet close to crime sites

Corrupting Spot



Recycling Plant



extra cash and removal of your recycle items - \$1 (valley wide pick up)

Date: 2011-10-03, 10:13AM PDT Reply to: see below Errors when replying to a

i will buy and haul off your unwanted junk such as any metal and recycle items, batterys, old car parts, cans please call 702

craigslist

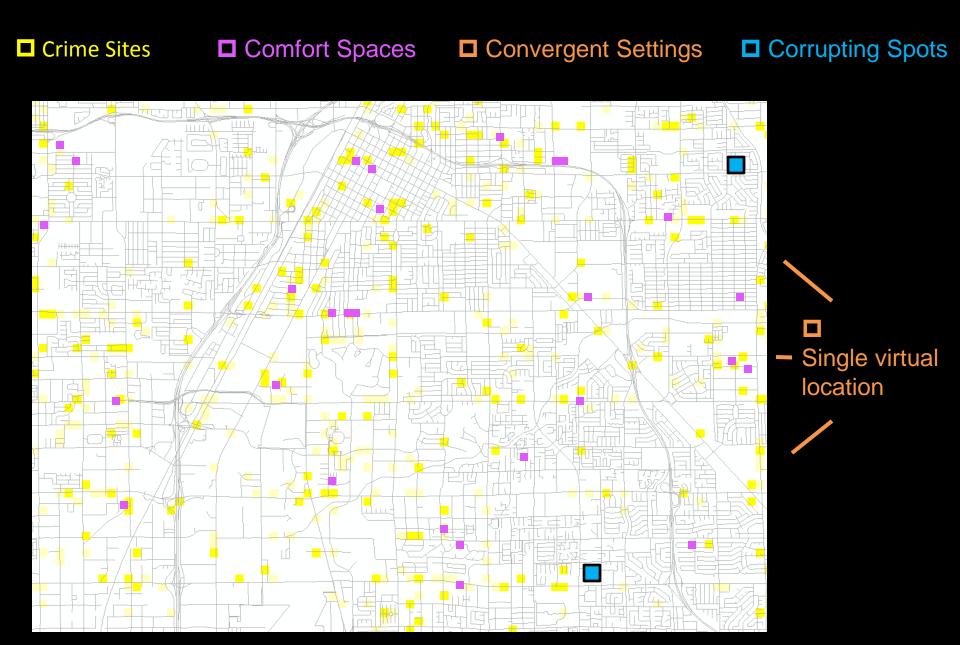


Comfort Space



Supplying location where metal is stored

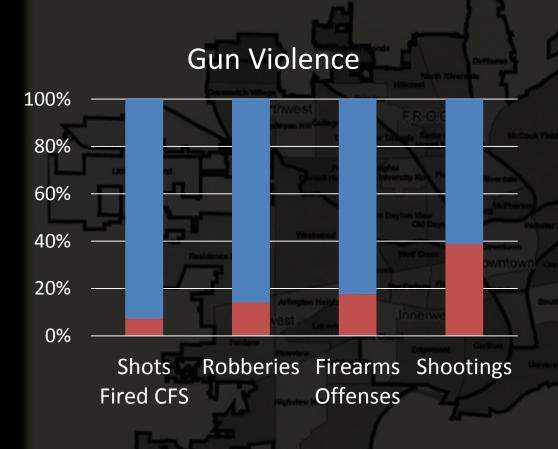
Crime Hotspot Map



Violence Concentration

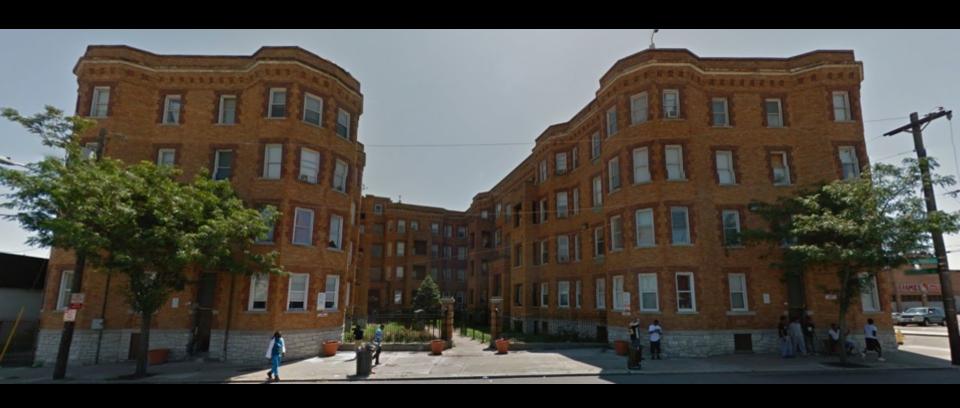
(Dayton, Ohio)

1.3% of City's total land mass (<0.7 sq mi)*:

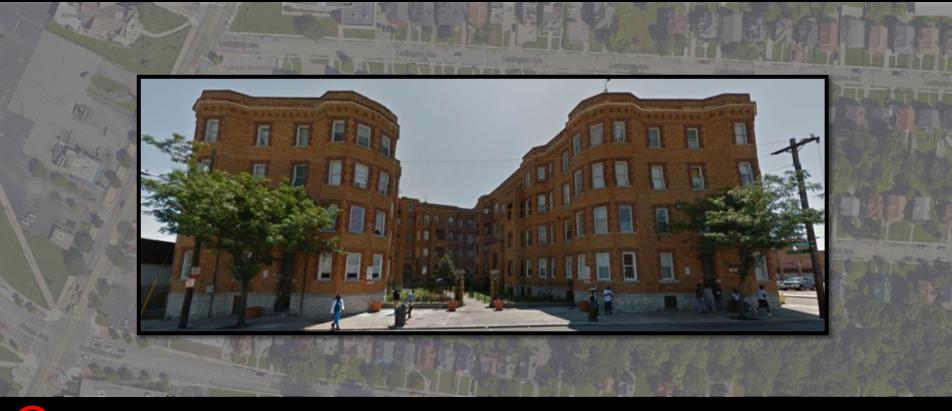


- 7.1% of shots fired calls-for-service
- 13.9% of robberies
- <u>17.2%</u> of firearms offenses
- 38.6% of shootings

^{*}Excludes airport land use



Poinciana Apartments 3522 Reading Road



Crime Site – Most violent proprietary location in Avondale neighborhood

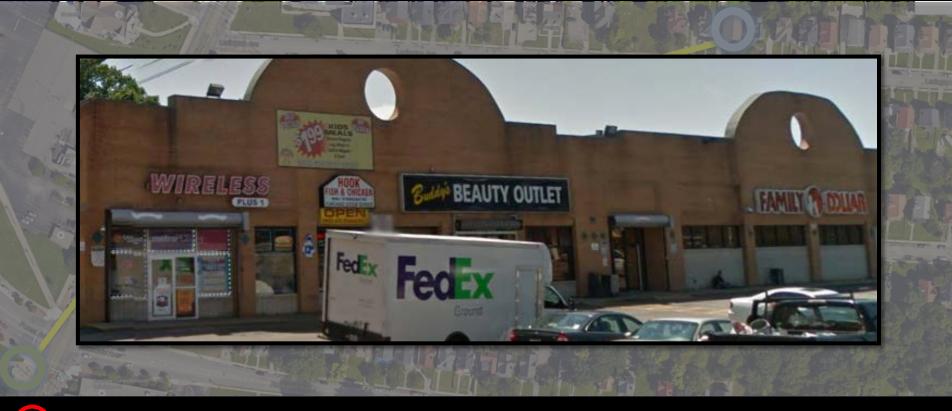


- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket



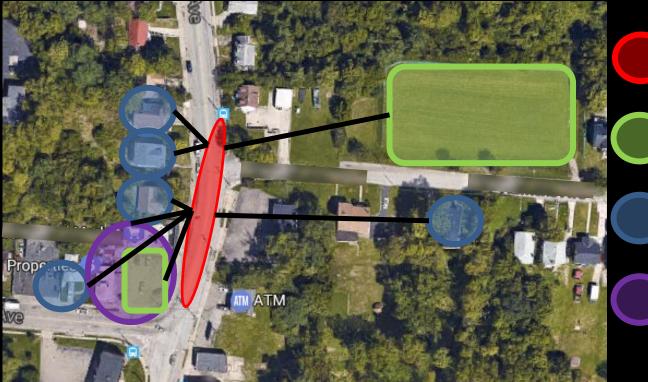


- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket
- Comfort Spaces Specific apt. units, Nearby residences



- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket
- Comfort Spaces Specific apt. units, Nearby residences
- Corrupting Spots Nearby businesses (some facilitators)

Cincinnati Place-Based Investigations

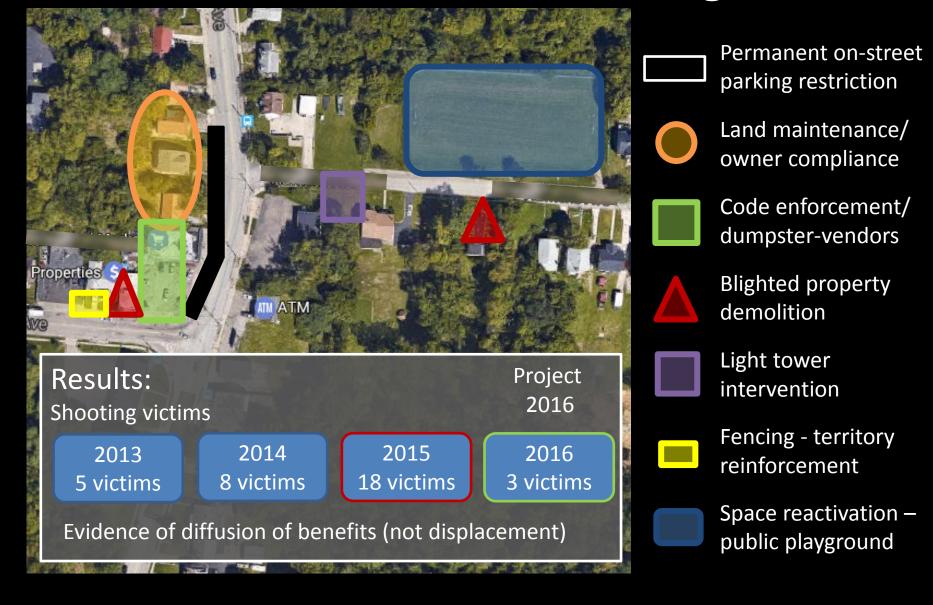


- **Crime sites** public street
- Convergent settings parking lot/park
- Comfort spaces rentals/vacant property
- Corrupting spots crumbling structures/store fronts



Violent Place Network

Cincinnati Place-Based Investigations

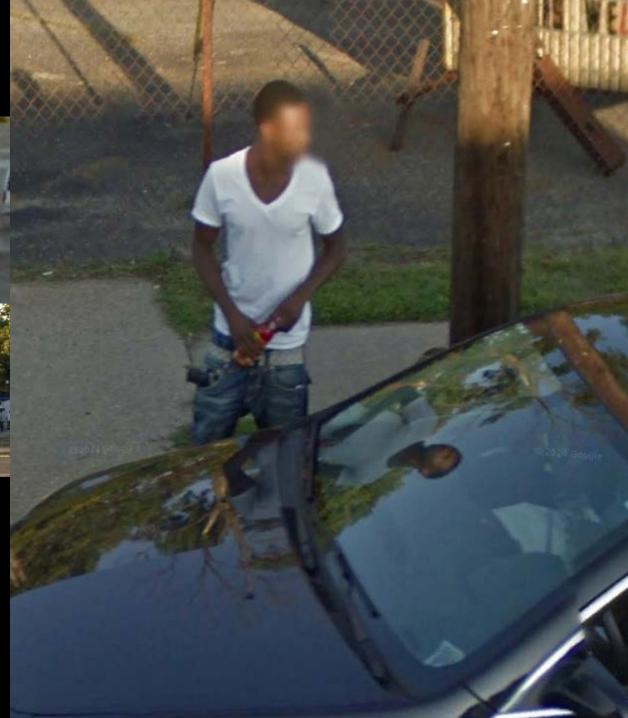


Limitations of Crime-Place Network Investigations

Role of Surveillance Technologies

Surveillance





Geofeedia



Place-Based Social Media Surveillance

socialmention*

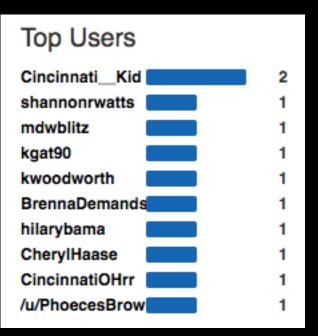
Search

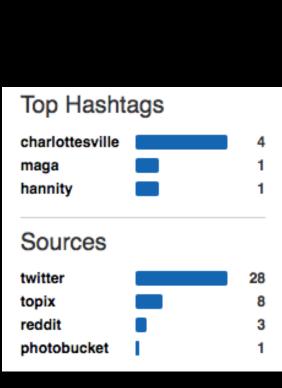
Advanced Search Preferences

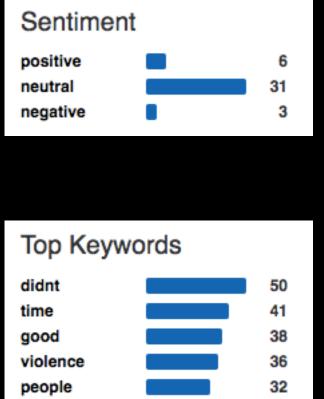
29

24









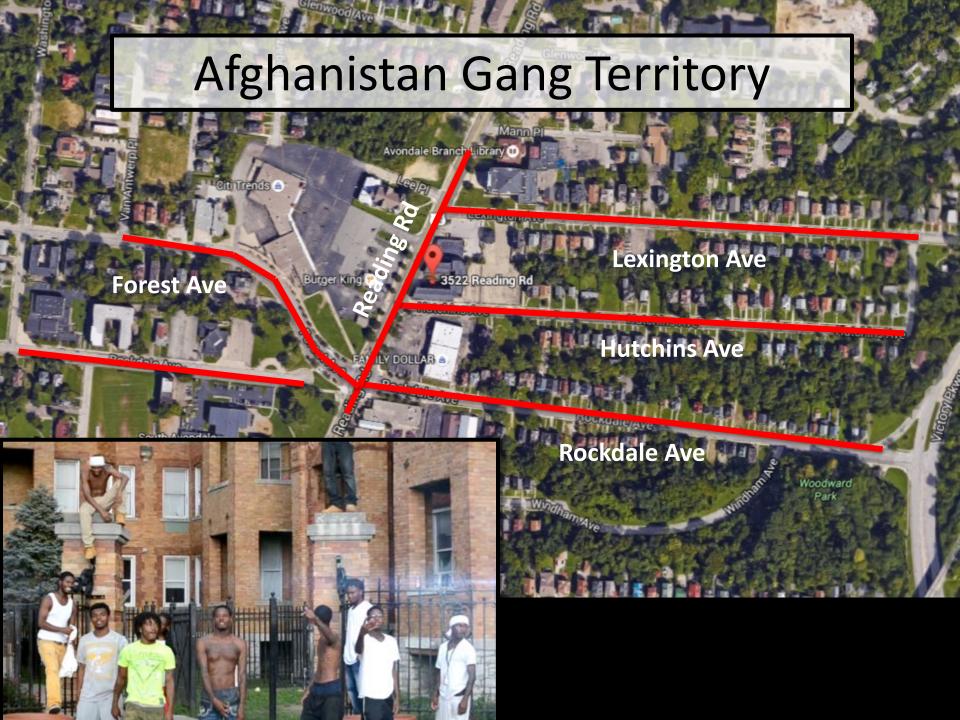
pick

year

work

cincinnati

players







12:30 PM



Emotion/Face API

Video Indexing

Text Analytics

Video/Image/Web Search

Questions

1. How are crime-places networked in Sweden?

2. How have new technologies changed "street" offenders' activities? What investigation challenges/advantages do these technologies present?

Contact

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