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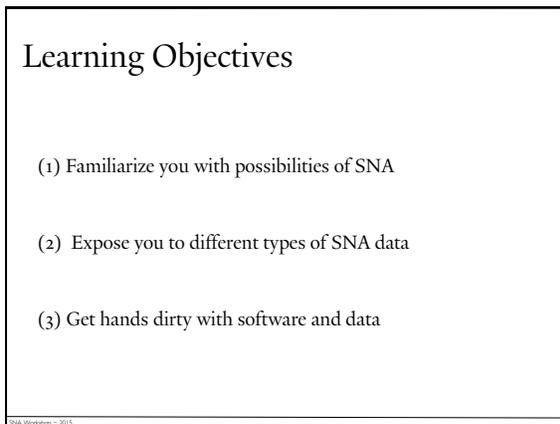
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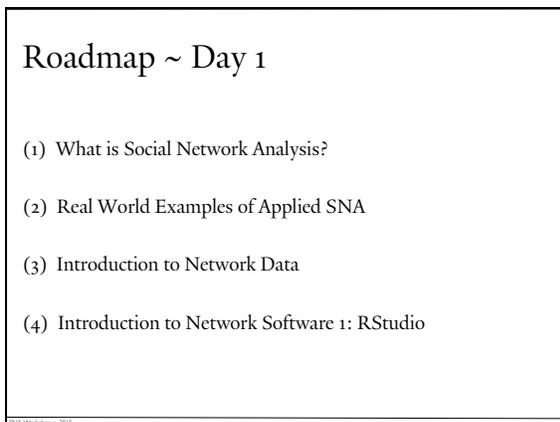
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Section 1.

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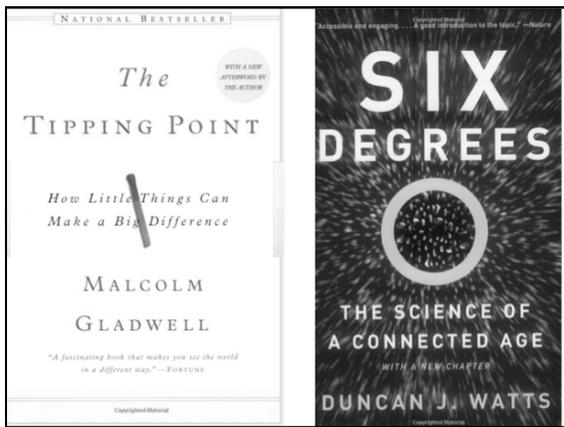
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- ▶ It's a Small World
- ▶ Six Degrees of . . .
- ▶ It's not what you know, but . . .
- ▶ The "good old boys" club
- ▶ The Strength of Weak Ties
- ▶ Bowling Alone

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- ▶ The spread of disease, fashion, information, technology, and capital
  - ▶ Political & Social Influence
  - ▶ Attitudes, Opinions, & Behaviors
  - ▶ Physical & Social Influence
  - ▶ Friendships, Marriages, Relationships
  - ▶ Human & Animal Societies
- SNA Workshop ~ 2015

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What predicts the risk of getting an STD?

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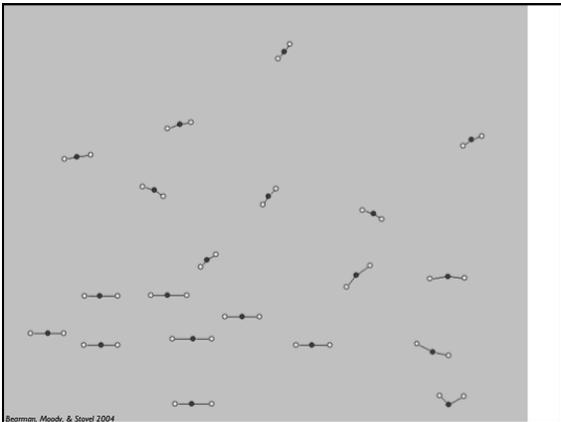
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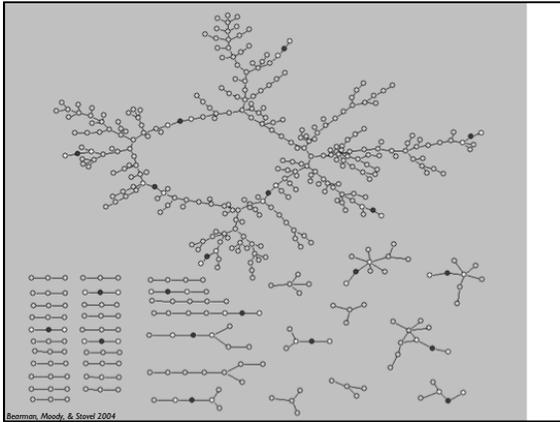
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What is a Social Network?

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A FINITE SET (OR SETS) OF **ACTORS**  
AND THE **RELATION**  
(OR **RELATIONS**)  
DEFINED ON THEM

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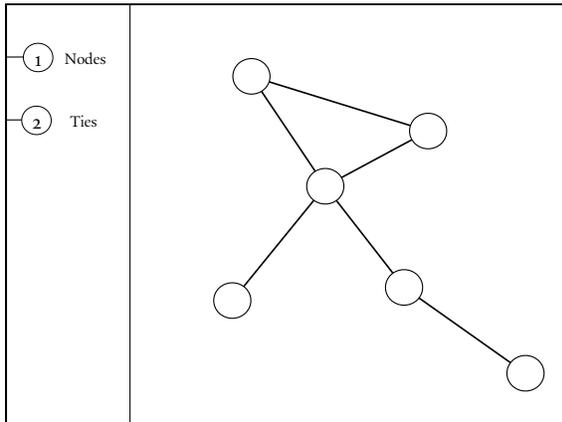
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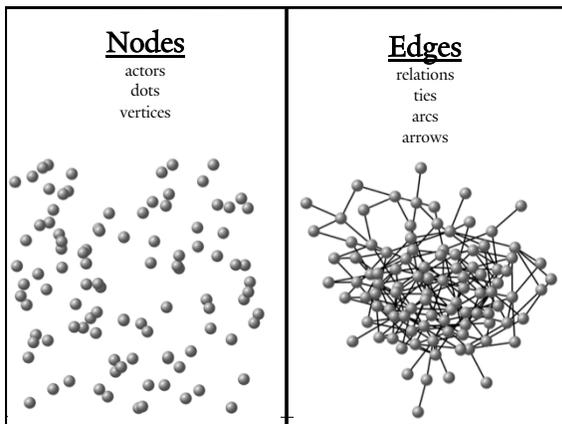
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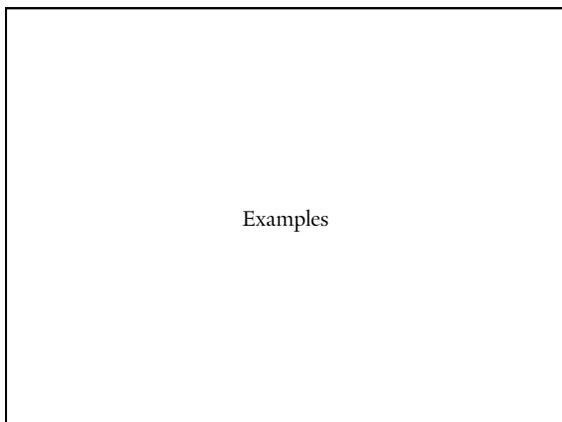
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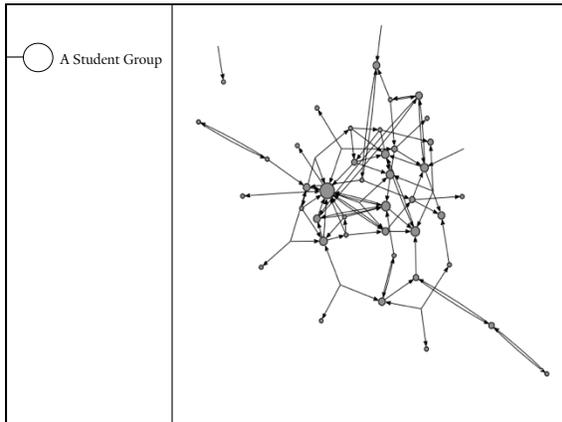
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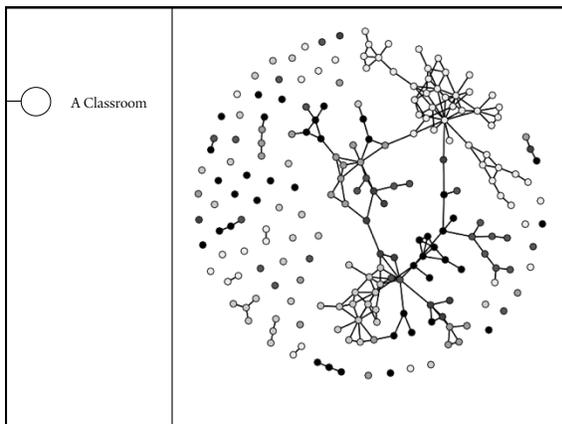
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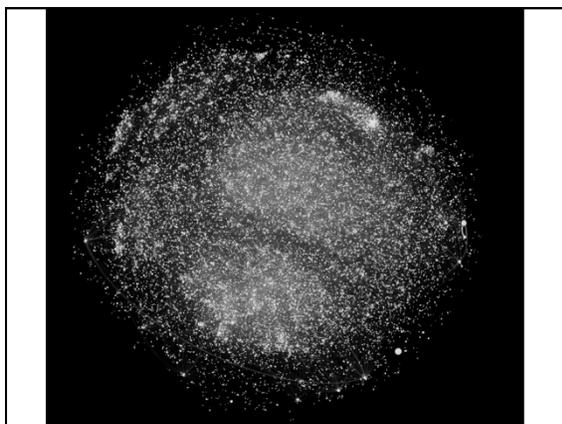
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What is Social Network Analysis?

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- 1 **Social Network Analysis** is the study of social relations and their influence on individual, group, and system behavior
- 2 Looking for Social Structure ~ regularities in patterns among units

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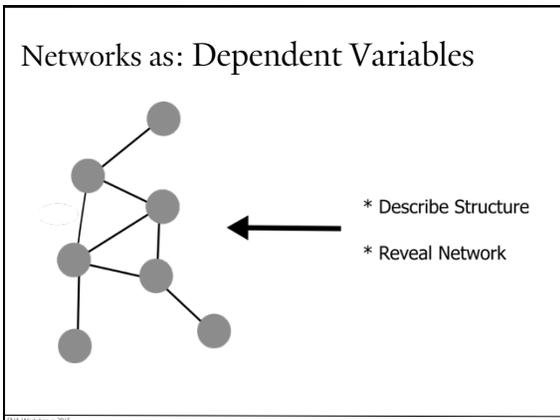
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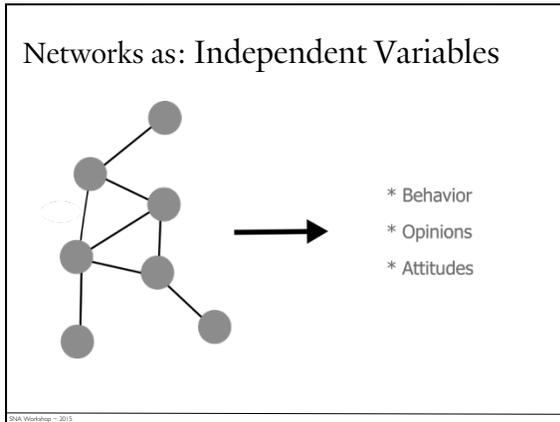
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Criminal Justice Applications & Uses

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- ① The Study/Investigation of Criminal Groups
- ▶ How Cohesive are particular groups?
  - ▶ What does a group's structure look like?
  - ▶ Who are important players?
- SNA Workshop ~ 2015

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2 SNA to study social contexts

- ▶ Peer influence on crime/delinquency
- ▶ “Landscape” of violence
- ▶ Social Control (or lack thereof)

SNA Workshop ~ 2015

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3 Networks as conduit for diffusion

- ▶ Drugs
- ▶ Money
- ▶ Violence
- ▶ Information
- ▶ Guns

SNA Workshop ~ 2015

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Gun Violence

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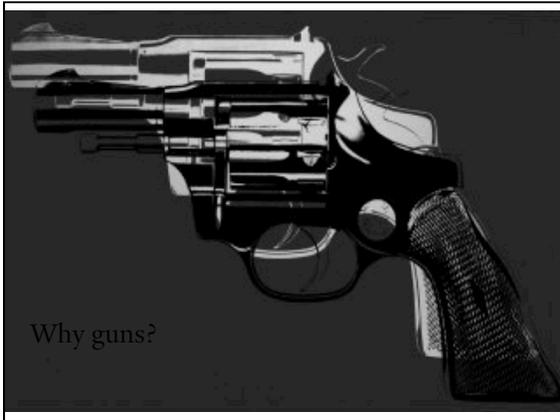
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- Violence tends to occur between people who know each other
- Gun violence is more concentrated within populations/ places
- Gun use is associated with peer influence
- Guns are durable goods

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Applications

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(1) Mapping Conflicts & Violence

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Group Audits

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Chicago, IL

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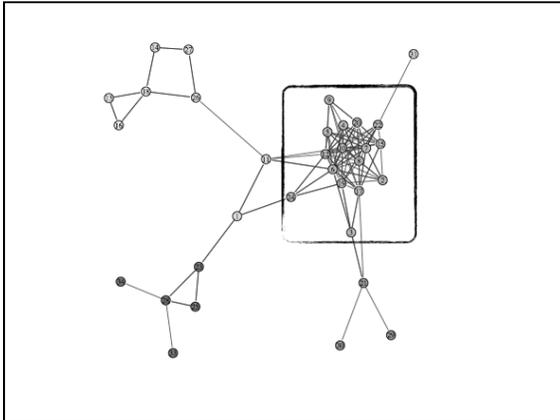
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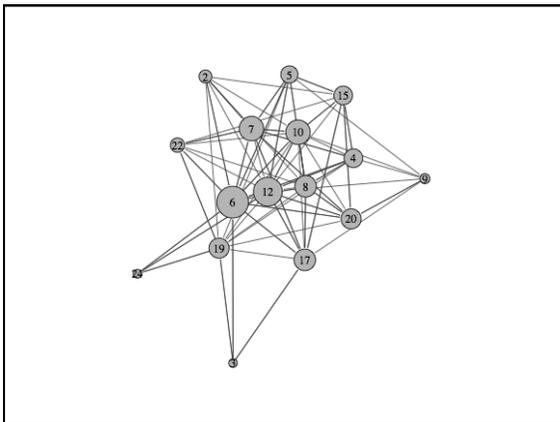
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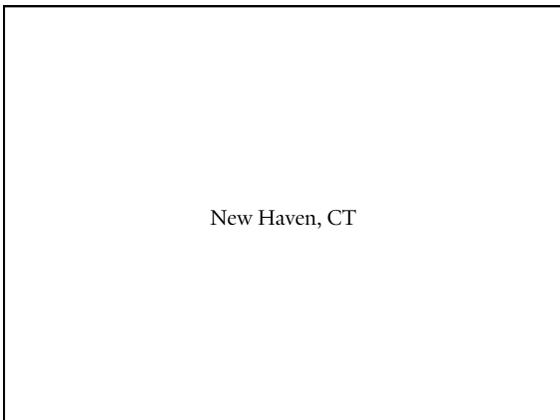
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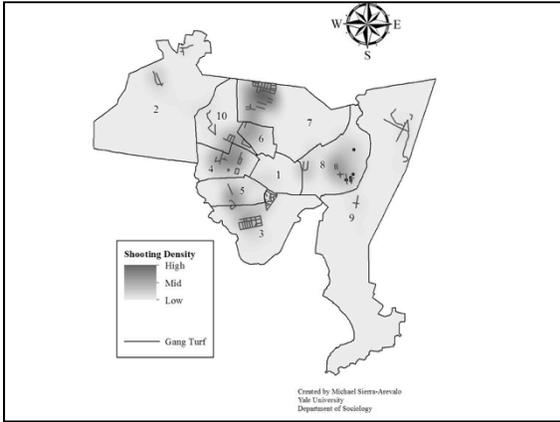
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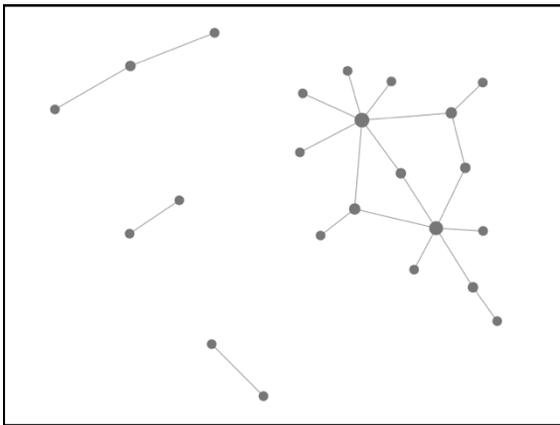
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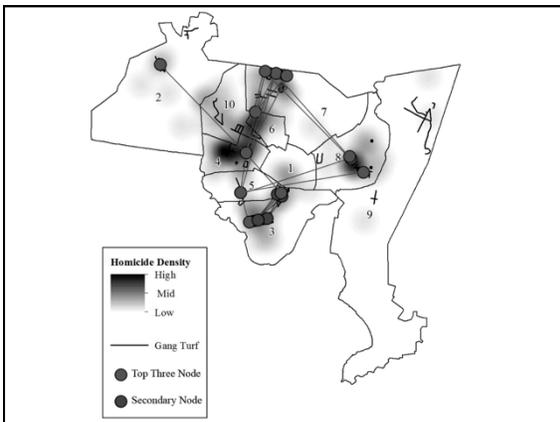
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(2) Identifying Group Structures

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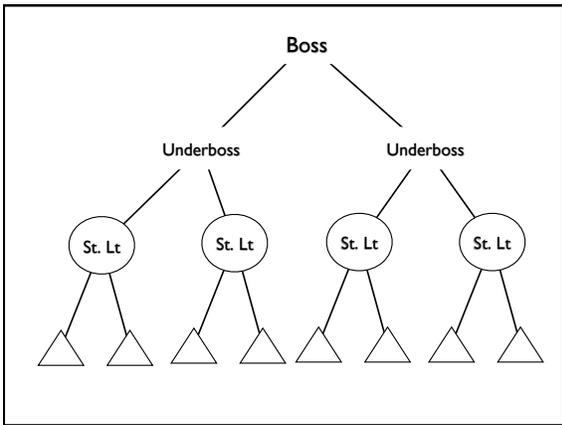
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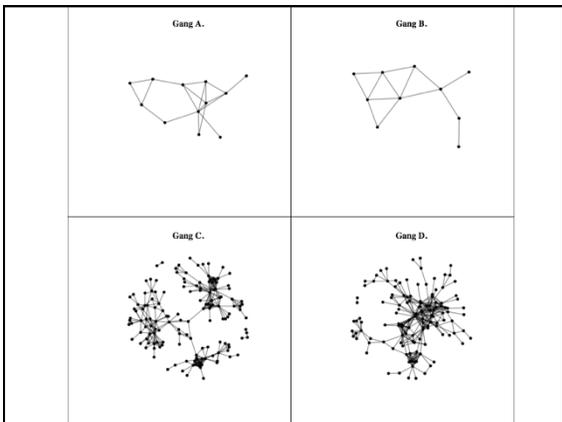
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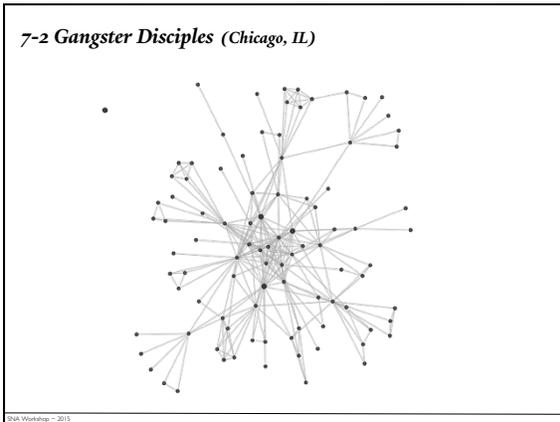
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(3) Who's At Risk of Being a Gunshot Victim?

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Boston, MA

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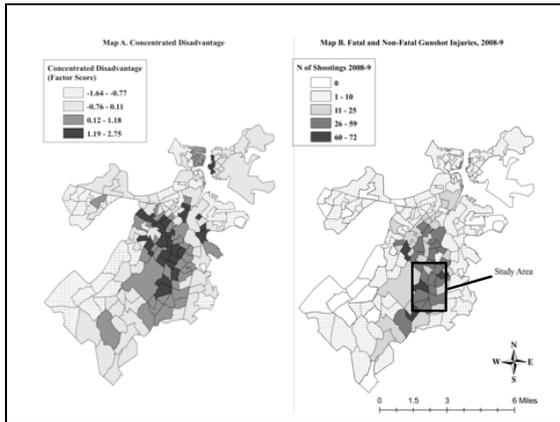
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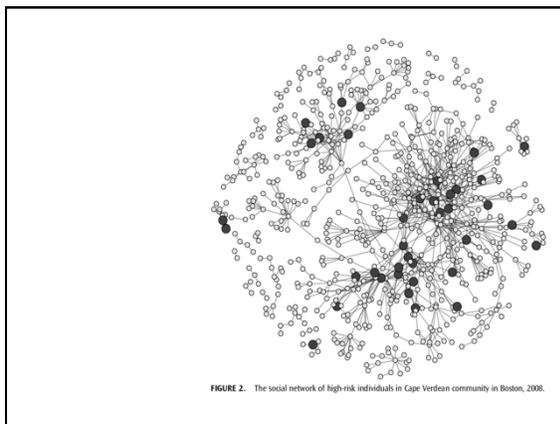


FIGURE 2. The social network of high-risk individuals in Cape Verdean community in Boston, 2008.

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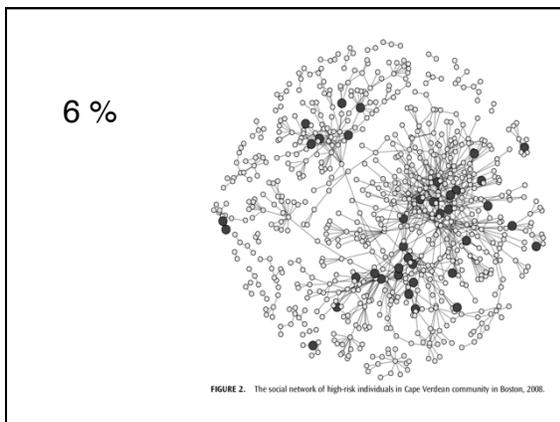


FIGURE 2. The social network of high-risk individuals in Cape Verdean community in Boston, 2008.

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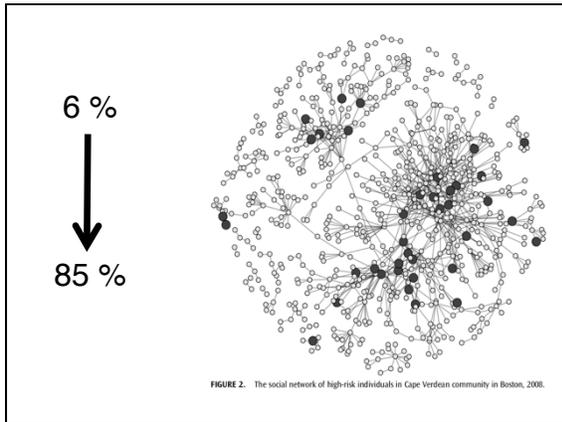
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Newark, NJ

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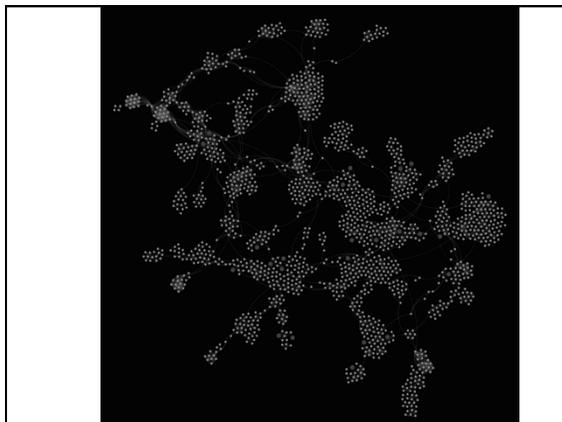
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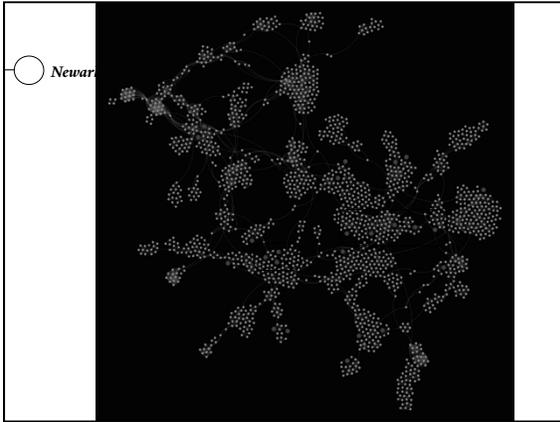
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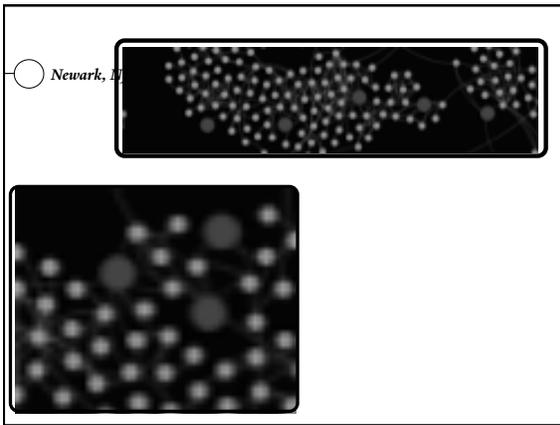
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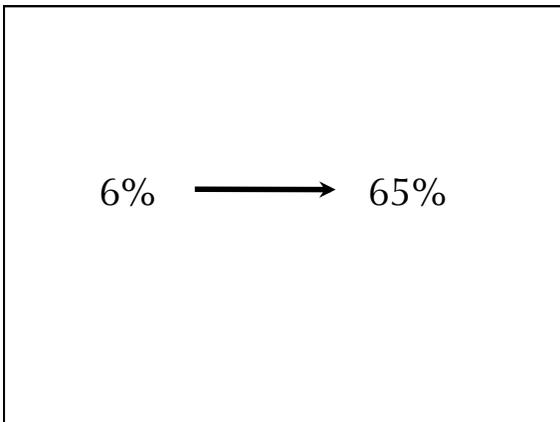
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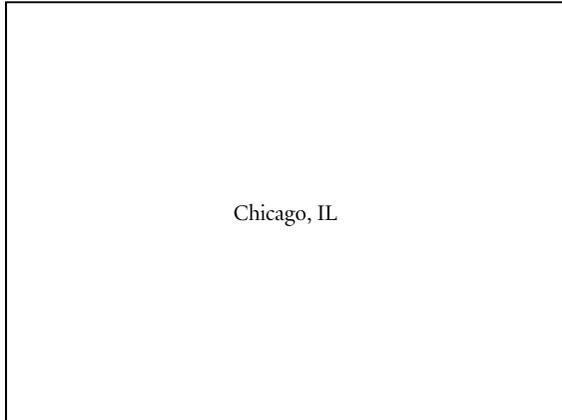
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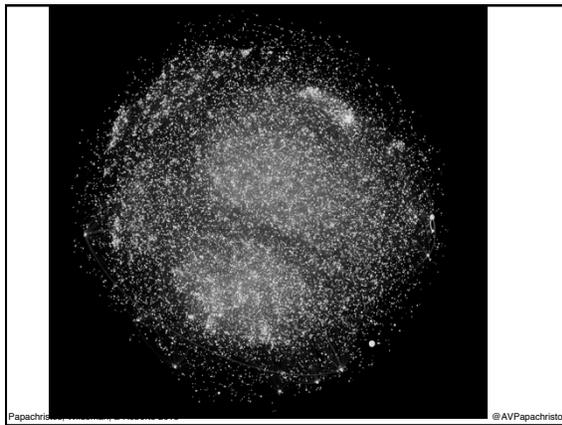
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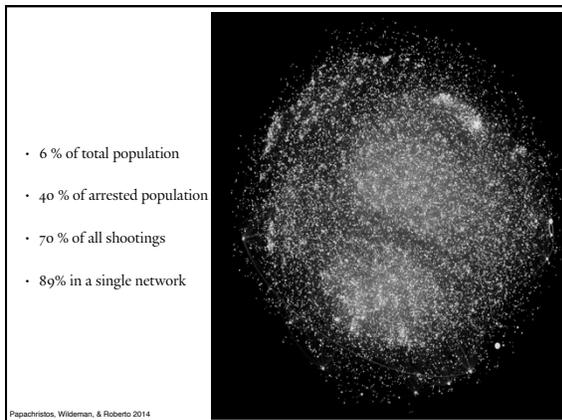
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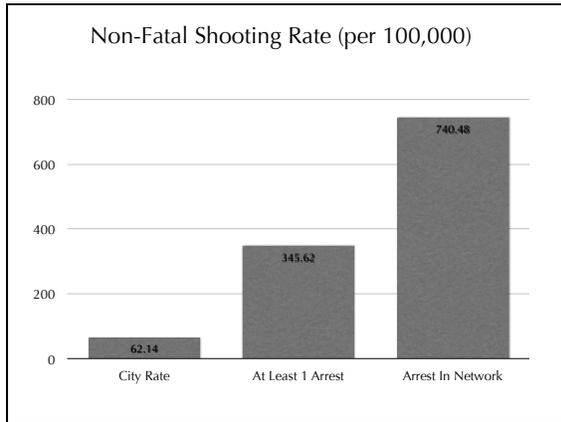
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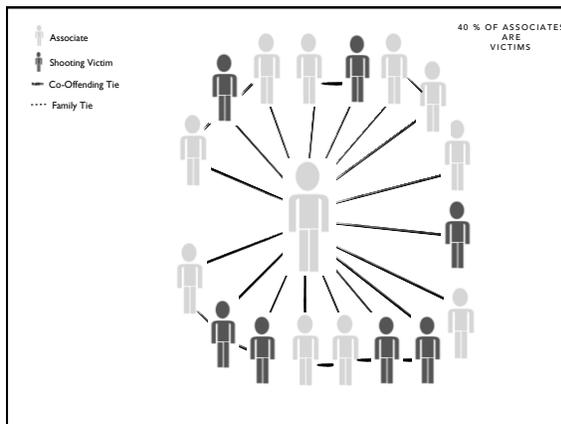
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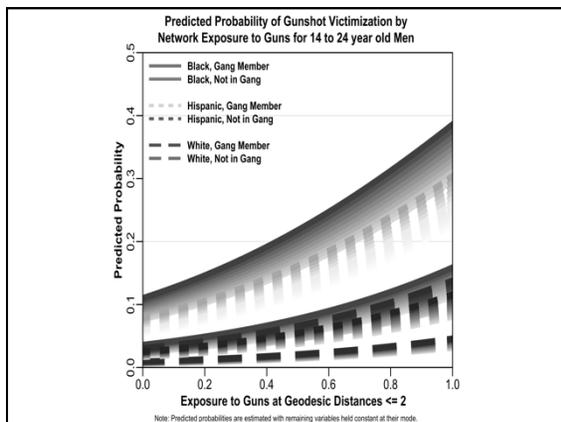
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