Innovative

Prosecution

Solutions

The Innovative Prosecution Solutions Training and Technical Assistance Project is administered by AEquitas and RTI International under grant number 2017-YX-BX-K002 from the Bureau of Justice Assistance (BJA).

Innovative Prosecution Solutions Learning Community Webinar: Social Network Analysis

Social Network Analysis
Webinar Overview

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Social Network Analysis (SNA)
Webinar Overview

- **<u>Background and Applicability:</u>**

  - What is SNA?

  - How can it benefit IPS grantees?

  - How can SNA enhance

    - Prosecution?

    - Research and evaluation?

- **<u>Presentations:</u>** East Baton Rouge, LA + Shelby County, TN
- **<u>Open Discussion</u>**
- **<u>Webinar wrap-up</u>**

Previous Webinars

o Webinar #1: Introduction to IPS Project; Overview of Grantees' Projects

o Webinar #2: Implementation Metrics

   o How research partners measure and evaluate implementation of IPS crime reduction strategies

o Webinar #3: The Researcher-Practitioner Partnership

   o Topics discussed include:

      o (1) Initiating and fostering partnerships

      o (2) Partnership successes

      o (3) Partnership challenges

      o (4) Sustainability

Webinar materials available online: https://aequitasresource.org/singleinitiative/?initiativeId=%2013

Innovative Prosecution Solutions

Site	Grant Year	IPS Focus	Site	Grant Year	IPS Focus
Bronx, NY	2019	Violent crime	Nassau County, NY	2019	Gang-related crime
Cleveland, OH	2019	Violent crime	Chicago, IL	2019	Financial and cybercrimes
Hilo, HI	2019	Violent crime	Hocking County, OH	2019	Opioid crisis
York County, PA	2019	Violent crime	New Orleans, LA	2019	Opioid crisis
Flint, MI	2019	Violent, gang-related crime	East Baton Rouge, LA	2018	Opioid crisis
Long Beach, CA	2019	Violent crime, chronic recidivism	Clare County, MI	2018	Opioid crisis
Rockdale County, GA	2019	Domestic violence homicides	Covington County, AL	2018	Opioid crisis
Phoenix, AZ	2019	Gun violence	Marion County, IN	2018	Opioid crisis
Plymouth County, MA	2019	Gun violence	Montgomery County, TX	2018	Opioid crisis
Cook County, IL	2017	Gun violence	Shelby County, TN	2018	Opioid crisis
Wayne County, MI	2017	Gun violence	Wayne County, MI	2018	Opioid crisis
Cobb County, GA	2019	Sexual assault	Wisconsin	2018	Opioid crisis
San Diego, CA	2017	Domestic violence	Worcester, MA	2018	Opioid crisis
Nashville, TN	2017	Human trafficking	Yolo County, CA	2019	Crime trends, chronic offending
Denver, CO	2019	Gang-related violent crime	St. Louis, MO	2019	Witness safety, cooperation Young adult diversion (2015)
Jacksonville, FL	2019	Gang-related violent crime			

Innovative Prosecution Solutions: Poll Question #1

Poll Q 1: Have you had any past experience with SNA?

Poll Q 2: Do you plan to use/are using SNA on your IPS project?

Poll Q 3: If you are not currently utilizing SNA on your IPS grant, would you be interested in doing so?

Social Network Analysis: Definition

Social network analysis is a method that shows the **relationship** between individuals, and **how strong or weak** these ties are.

Social Network Analysis:
Tool to Evaluate Relational Data

Social Network Analysis: Enhancing Research/Evaluation

Types of information SNA can identify and measure:

- Identification and strength of relationships between individuals, based on:
    - Density
    - Centralisation
    - Indegree centralization
    - Outdegree centralization
    - Degree centrality
    - Betweenness centrality
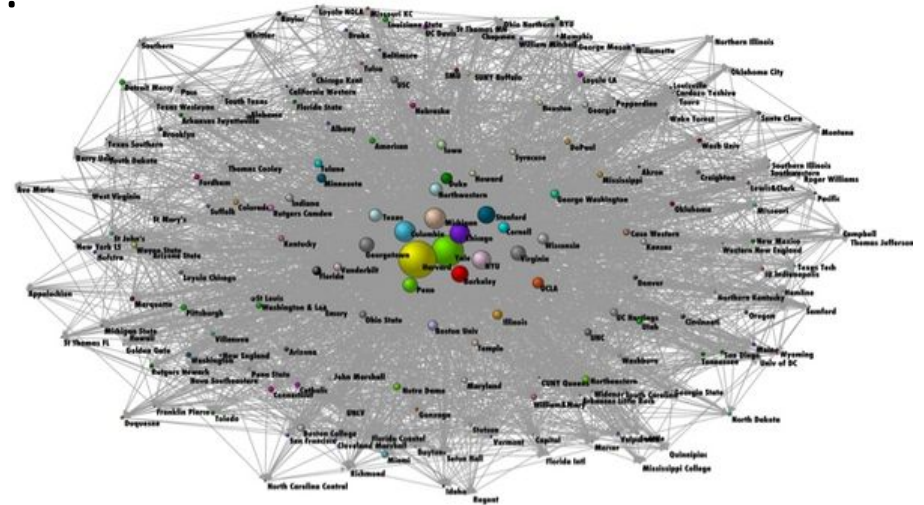
SOURCE: Bright, D. A., Greenhill, C., Ritter, A., & Morselli, C. (2015). Networks within networks: using multiple link types to examine network structure and identify key actors in a drug trafficking operation. *Global Crime*, *16*(3), 219-237.)

Network Measures
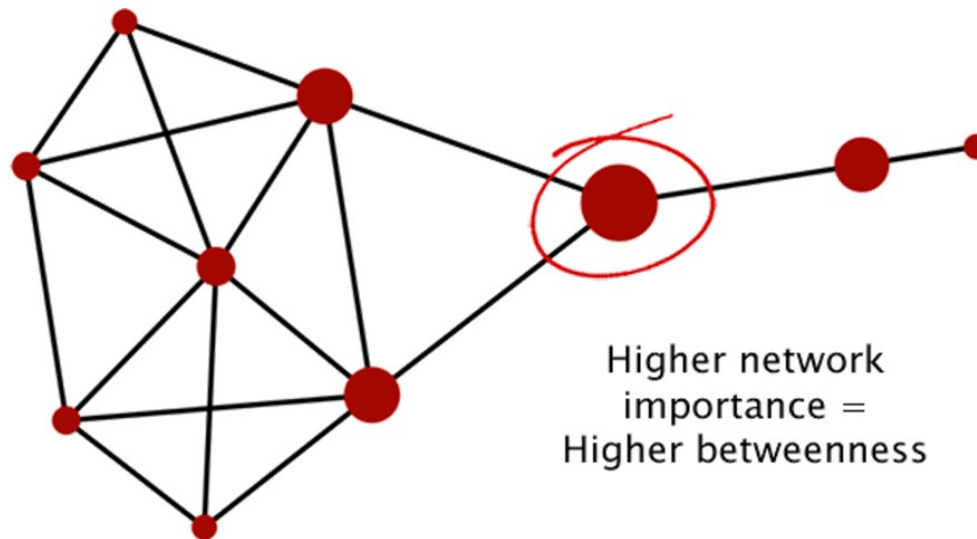
Higher network importance = Higher betweenness

Ingram (2012), Visualising Data: Seeing is Believing
http://www.richardingram.co.uk/2012/12/visualising-data-seeing-is-believing/

@mhawksey   alt.ac.uk
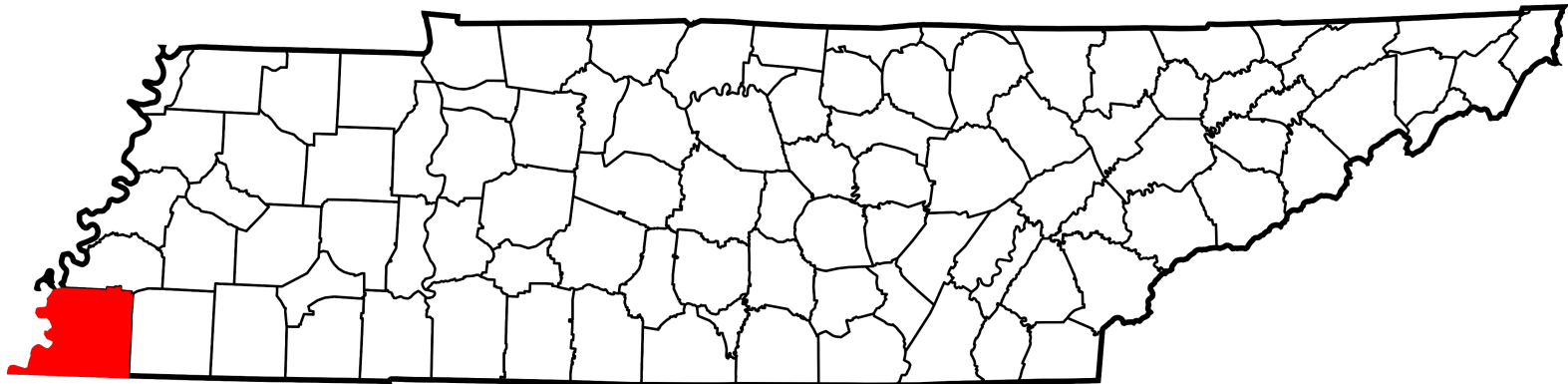
SNA as an Investigative Tool:
Enhancing Prosecution + Evaluation

IPS Grantee Presentation #1: East Baton Rouge, LA

How the IPS grant in East Baton Rouge, LA has utilized SNA

IPS Grantee Presentation #2: Shelby County, TN

How the IPS grant in Shelby County, TN has utilized SNA

Poll + Open Discussion

Webinar Wrap-Up

- Discussion takeaways from the webinar will be distributed.

- Webinar will be posted on the IPS webpage; link will be provided.

- Any topics or issues raised for further discussion will be researched.

- Final questions or comments from participants?

- Thank you!

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