

SNA **SOCIAL NETWORK ANALYSIS** track

Overview & Agenda

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The goal of the *Social Network Analysis* track at SSSI is to provide an intensive, hands-on introduction to the concepts and methods of network science, especially as it applies to public health and health equity research.

By the end of the week, participants in the SNA track will be able to:

- Understand the relevance of network science concepts and methods for public health and health equity
- Produce simple network descriptive statistics and visualizations using real-world network data and modern software (R/RStudio)
- Better plan future network studies, including network data collection, management, and analyses
- Access important network science best practices resources

SESSION	TOPICS	ACTIVITIES
0 – Workshop prep	Support materials for workshop	Set up computing platform for network analysis
1 – Monday AM	Network science overview and history	Identify and share network example
2 – Tuesday AM	Network fundamentals; network data	Create basic network data set
3 – Tuesday PM	Visualization	Create and enhance effective network graphic
4 – Wednesday AM	Prominence	Identify important network members by position
5 – Wednesday PM	Subgroups and community detection	Identify network subgroups
6 – Thursday AM	Network models	Explore preferential attachment model
7 – Thursday PM	Surveys and dashboards	Discuss dissemination
8 – Friday AM	Network study designs and ethics/ equity considerations	Shared consulting