

SoNIA

SoNIA stands for Social Network Image Animator. It is a package for **visualizing dynamic or longitudinal "network" data**. By dynamic, we mean that in addition to information about the relations (ties) between various entities (actors, nodes) there is also information about when these relations occur, or at least the relative order in which they occur.

Networks in SoNIA are not limited to the standard notion of a set of relations among a set of entities at a given point in time. Instead, consider the entities (or nodes and individuals) as a stream of events. Every event has a real-valued time coordinate indicating when it occurs. If the event is not instantaneous, it also has an ending coordinate to indicate its duration. A node-event, for example, can describe a company which comes into existence on Jan 1, 1990 and then dissolves on June 1, 1996. Alternatively, a node event might describe a single observation of a node, such as an individual in a friendship survey wave done in 1995.

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Platform: cross-platform

Cost: Free - open source

See: <http://www.stanford.edu/group/sonia/>

Fields

Name	Value
Description	Visualizing dynamic or longitudinal network data
MethodDomain	Analysis Networks
Distribution	Open Source
OS	OS Independent