

SONAS: Social Network Analysis and Simulation Systems

Summary: The objective of this project is to build a social network analysis and simulation system through extensively study different social networks. The research explosion concerned with network theory and applications has made us aware that the understanding of networks is essential to the understanding and optimization of the vast range of social structures. Networks are pervasive as communication linkages, transportation systems, utility systems, financial transactions and currency flows, electrical computer circuit networks, biological networks, linguistic and anthropological cultural structures, and a spectrum of other composite and derivative networks often involving geospatial distributions. In this project, we will extensively study different social networks and develop a web-based Social Network Analysis and Simulation (SONAS) system.