Using Graph Networks to Manage Cross-institution, Cross-discipline Research Programs

Graph databases and social network analysis transform program data into knowledge. By emphasizing the social relationships between entities, we can intuitively tackle some of the toughest challenges facing large, team-science initiatives.

What does your team’s network really look like?

Why struggle to interpret this...

When your team operates like this...

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Find Collaborators

Get Data

Manage Program Objectives

In Real Time

Visualize Your Team Science Program

Research teams that span disciplines and institutional boundaries are increasing in all areas of science. These multi-university research teams often tackle broad-scale, complex research questions resulting in high-impact publications. While geographic distance is proving to be less of an obstacle to collaborative output, social distance is of increasing importance.

However, discovering, understanding, and fostering social connections between researchers at differing universities or in different disciplines presents a unique set of challenges for administrators of large, team science programs. Here, we present a project management tool that uses social network analysis and graph theory to connect researchers, to foster collaborative products, and to more effectively report collaborative efforts to funding agencies.

Program and Relationship Management

Quickly connect researcher to the data and human capital they need to maximize their research potential.

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