

1056-97-1914 **Carole Basile, Steve Culpepper and Steven Di Lisio*** (steve.dilisio@gmail.com), 1920
Denver West Dr. Apt. 811, Golden, CO 80401, and **Adam Ruff** and **Diana White**. *Social
Network Surveys in Math and Science Education*.

Social network analysis is a relatively new and powerful tool which can be used to gain information about many types of personal interaction. In this talk, we discuss our use of social network analysis to study the advice networks of math and science teachers who participated in the Rocky Mountain Middle School Math and Science Partnership. Analyzing the data requires mathematical concepts from graph theory and statistics. We will provide an overview of the basic concepts needed, assuming no prior knowledge of the area, as well as describe our findings. (Received September 22, 2009)