

README file: Social Network Data

File Information –

Social Network Data

- Team1.csv
- Team2.csv
- Team3.csv
- Team4.csv
- Team5.csv
- Team6.csv
- Team7.csv
- Team8.csv

Definitions of acronyms, site abbreviations, or other project-specific designations used in the data file names or documentation files: See codebook

Variable information:

Social network data is in the form of an edgelist (ego, alter, relation 1, relation 2...). Column headings denote an abbreviation of the question that was asked (see codebook for more details). For example, participants were asked do you go to [insert team members name] for advice, mentoring etc. Similarly, participants were asked do you write grants, publish, conduct research etc. with [insert team members name].

Uncertainty, precision, and accuracy of measurements: Data for team 5 was only collected at one time point, and the team members were asked about collaborations “before” and “after” joining the team. Data for this paper is about the process of the team and therefore, the data used in the analysis was from “after” members had joined the team. Also, the team wanted information on different social network items. The codebook details what items were different.

Team 6 had a delayed start for various administrative reasons. Therefore, the social network data from 2017 was used to understand team *process*. The team was asked who have you conducted “new research” with instead of “consulting and tech support” due to feedback.

Method(s) –

Data was collected using a social network survey at three time points: beginning, middle, and end of the funding period.

Data was analyzed using R Studio and igraph R package

Software:

Social network data was collected using ONA Surveys

Data was recorded in Microsoft Excel and analyzed using R Studio 3.5.1 and the igraph R Package

Note about software handling of missing data: In instances where no one responds to a category i.e. no one has served on a student committee with another member of the team, the social network software automatically omits the data.

Limitations to reuse:

Due to IRB restrictions we cannot release gender attribute data without additional IRB permissions. If you would like access to the gender attribute data, please contact Hannah.love@colostate.edu to make arrangements.

Date dataset was last modified: 12/9/2018

Are there multiple versions of the dataset? No