

DAPS&CO

Social Network Analysis

Instructor: Robert Fahey <robfahey@aoni.waseda.jp>

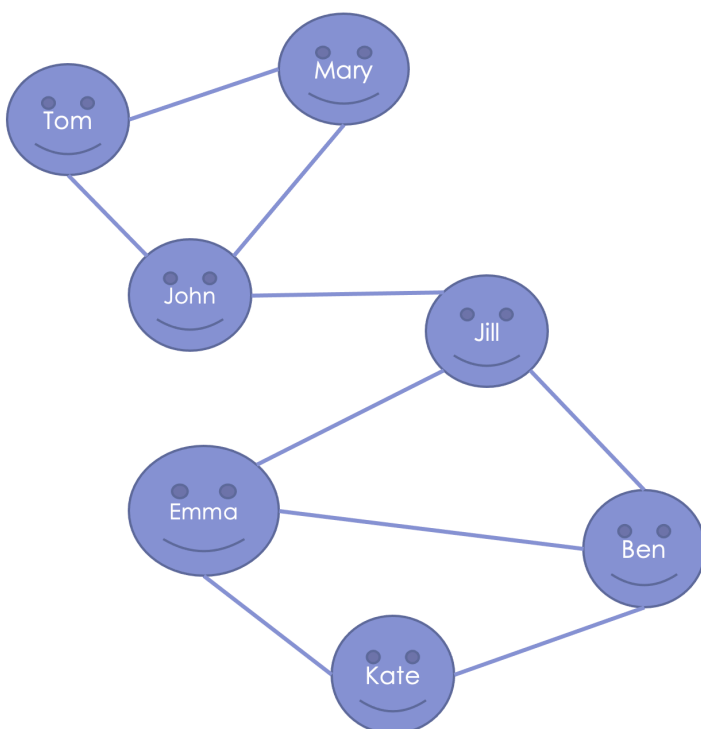
Assignment 3 16 Feb 2022 (Wed)

Assignment Details:

Below you'll see the same **undirected social network** which we used for yesterday's assignment.

Today's assignment is to **recreate this network in R** (you can use any of the methods we looked at today to create the graph). Then use R commands to find out the exact answers to the same questions from yesterday.

- 1) What is the **Network Size**?
- 2) What is the **Network Degree**?
- 3) What node(s) have the highest **Degree Centrality**?
- 4) What node(s) have the highest **Betweenness Centrality**?
- 5) What node(s) have the highest **Closeness Centrality**?



Submission:

Email your R script to me (robfahey@aoni.waseda.jp) before the next class (Thursday, Feb 17th, 11am CET).

Late Submission:

Late submissions without a reason (illness etc.) will be accepted up until the day of the module's final class (Friday, Feb 25th). Submissions after that date will be accepted, subject to a 5% per day grade penalty, until Friday, March 4th.