

DAPS&CO

Social Network Analysis

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

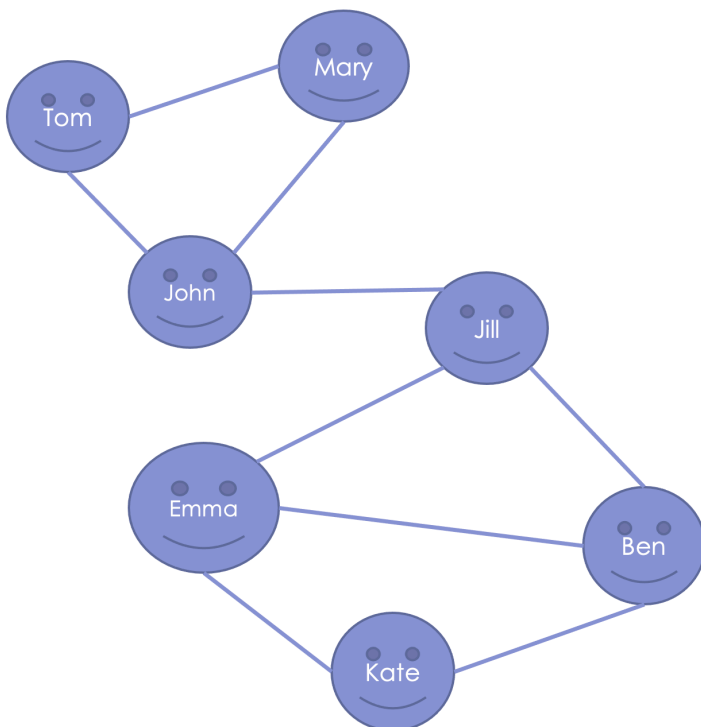
Assignment 2 2 Mar 2021 (Tue)

Assignment Details:

Shown below is an example of an **undirected social network**.

Look at this network and answer the following questions:

- 1) What is the **Network Size**?
- 2) What is the **Network Degree**?
- 3) What node(s) have the highest **Degree Centrality**? (Can you calculate the number?)
- 4) What node(s) have the highest **Betweenness Centrality**? (Try to calculate this too.)
- 5) What node(s) have the highest **Closeness Centrality**? (Calculate this one too!)



Submission:

Email your answers to me (robfahey@aoni.waseda.jp) before the next class (Wednesday, March 3rd, 9am CET).

Late Submission:

Late submissions without a reason (illness etc.) will be accepted up until the day of the module's final class (Friday, March 12th). Submissions after that date will be accepted, subject to a 5% per day grade penalty, until Friday, March 19th.