

Small University Experiment: Part II Instructions

Comm 481: Social Networks

Prof. Keith Hampton

Using the attached group worksheet, complete the following steps. Your group only needs to complete one copy of the worksheet; the completed worksheet will be photocopied and distributed to all members of the class for use during Part III of this assignment.

1. Write the name of the target recipient on the first page of the worksheet.
2. Each student in the group should add their information to Table 1 (use the same order of names as in the network graph).
3. For each folder (successful or not) complete Table 2, use the same order of names as in Table 1. If the chain was completed, include information about the target.
 - (a) *Name*: The name of the student who started this chain.
 - (b) *Completed?*: Did this folder reach the target.
 - (c) *Path*: Number of direct links (do not include indirect links) between the start and the target (Note: a link is a connection between two people, not an actual person. For example, if 7 people received the folder, including the starting student and the target, there were 6 links in total).
 - (d) *Geodesic*: What is the shortest number of links between the start and the target (include indirect links).
 - (e) *Sex*: Document the sex of each person in the chain. Use the notation “F” for female and “M” for male. For example, if a folder’s path was initiated by a female, passed on to a male, who then passed it to another male who delivered it to the target (a male), the “Sex” column would be filled in: **F M M M**.
 - (f) *Affiliation*: Document the affiliation of each person in the chain. Use the notation “S” for a student, “F” for a faculty member, “P” for a staff member, and “O” for other. For example, if a folder’s path was initiated by a student, passed on to a staff member, and passed on to a faculty member who delivered it to the target (a faculty), the “Affiliation” column would be filled in: **S P F F**.
 - (g) *Years at Penn*: Document years at Penn for each person in the chain. For example, if the folder was started by someone who has been at Penn for two years, passed on to someone who has been at Penn for four years, and then delivered to the target (1 year), the “Years at Penn” column would be filled in: **2 4 1**.
 - (h) *School*: Document the school associated with each person in the chain. Use the school’s initials. For example, if the folder started in the School of Arts and Sciences, was passed on to a person who was also in Arts and Sciences, then to a person in the School of Nursing, then the target (School of Medicine), the “School” column would be filled in: **SAS SAS SN SM**.
 - (i) *Place of Birth*: Document the place where each person in the chain was born. Use the same format as in the other columns, for example **NJ PA O**, would mean New Jersey, Pennsylvania, Other.
 - (j) *Days*: Document the number of days before the folder was passed between each person in the chain. Use the same format as in the other columns.
 - (k) *Age*: Record the age of each person in the chain. Use the same format as in the other columns.
 - (l) *Tie Strength*: Record the tie strength of each link in the chain. For example, **S W S**, would mean Strong, Weak, Strong.

Small University Experiment: Part II Worksheet

Comm 481: Social Networks

Prof. Keith Hampton

Target Name: _____

Table 1: Originating Alter

Name	Major	Tie to 1 st Node
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong
		<input type="checkbox"/> Very weak <input type="checkbox"/> Weak <input type="checkbox"/> Moderate <input type="checkbox"/> Strong <input type="checkbox"/> Very strong

Examples of things you may want to think about:

- A. What percentage of the folders reached their final target? _____%
- B. Mean number of intermediate links between starter and target for completed chains: _____
- C. Mean number of intermediate links for incomplete chains: _____
- D. Percentage of transfers to same sex:
Completed chains: _____% Incomplete Chains: _____%
Total: _____%
- E. Percentage of transfers to same affiliation:
Completed chains: _____% Incomplete chains: _____%
Total: _____%
- F. Percentage of student to student transfers:
Completed chains: _____% Incomplete chains: _____%
Total: _____%
- G. Percentage of transfers to people of same school:
Completed chains: _____% Incomplete chains: _____%
Total: _____%
- H. Percentage of transfers to people of same department/major:
Completed chains: _____% Incomplete chains: _____%
Total: _____%
- I. Mean time between transfers:
Completed chains: _____ Incomplete chains: _____
Total: _____

J. (a) Last intermediate links (complete chains only):

First Name and Initial	Frequency as final link

(b) Percentage of final transfers same sex: _____%

(c) Percentage of final transfers sharing affiliation: _____%

(d) Percentage of final transfers with same number of years at Penn: _____%

(e) Percentage of final transfers sharing school: _____%