ACA 4
Cleo You

a) A clear definition about the network:
Edge: Made comments on discussion board
Node list: Student ID from my class discussion board
Adjacent matrix: Made screenshot below with my excel sheet
Edge list: Made comments on discussion board

ACA 4_dataset_CY

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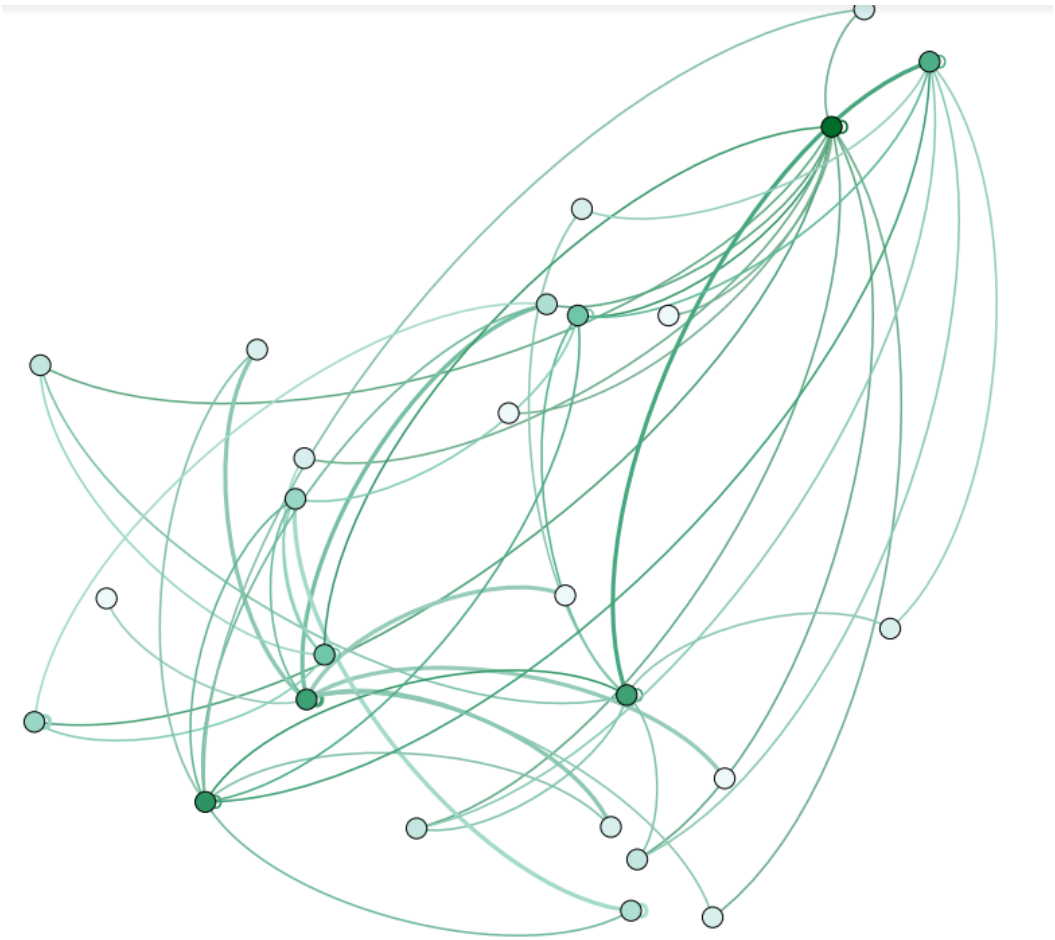
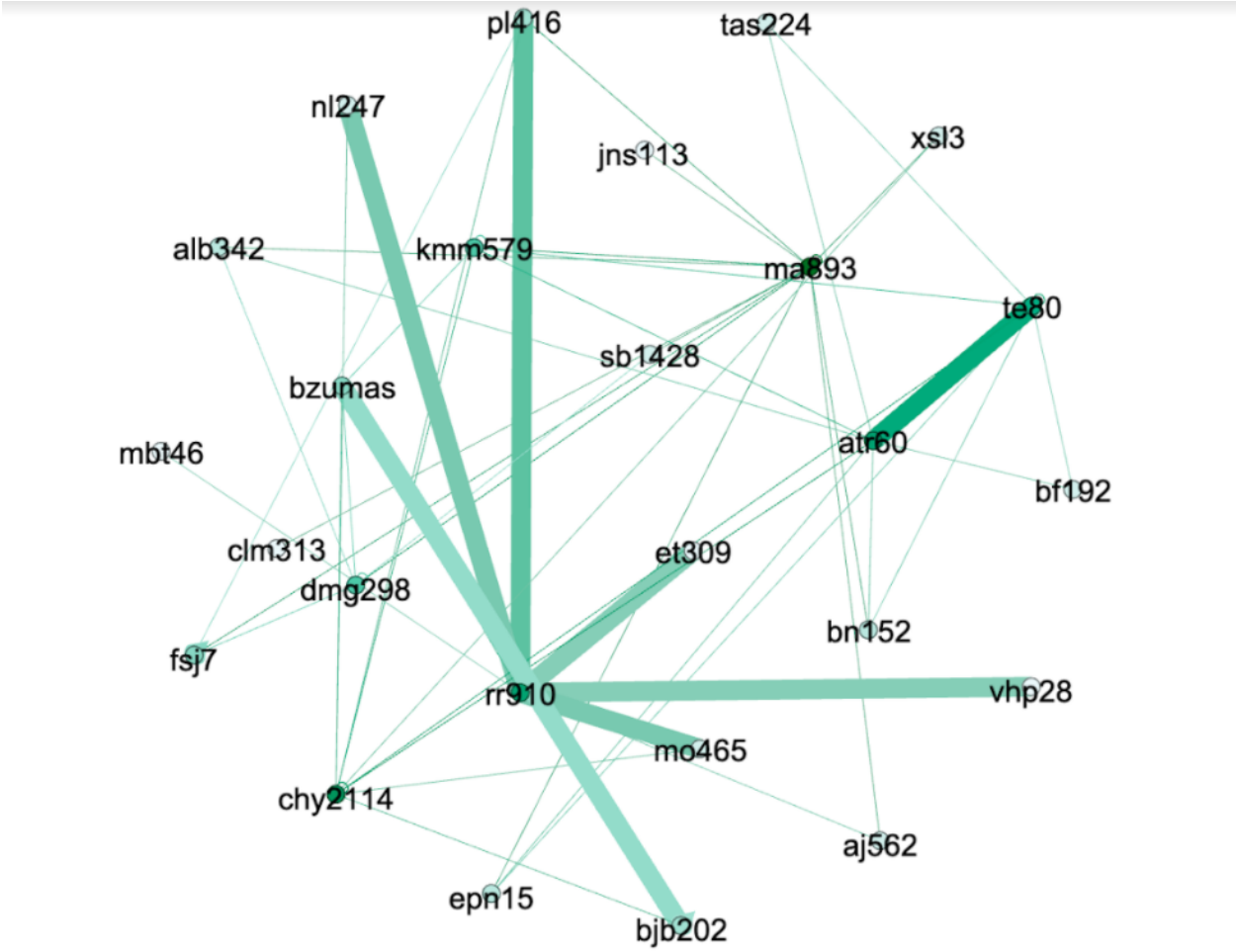
		ma893	jns113	fsj7	clm313	aj562	alb342	pl416	bn152	kmm579	sb1428	epn15	xsl3	rr910	nl247	et309	vhp28	mo465	mbt46	atr60	te80	bf192	tas224	bzumas	bjb202	chy2114	dmg298
2	ma893	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	rr910	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
4	atr60	0	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
5	bjb202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0
6	dmg298	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
7	chy2114	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0
8	te80	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0
9	rr910	0	0	0	0	1	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0
10	kmm579	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
11	fsj7	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

b) A visualization of the network (First visual: without label, Second visual: with label)
Visual 1:



Visual 2:


pl416
tas224
nl247
jns113
xsl3
alb342
kmm579
ma893
te80
sb1428
bzumas
mbt46
atr60
bf192
clm313
et309
dmg298
bn152
fsj7
rr910
vhp28
mo465
chy2114
aj562
epn15
bjb202

c) Proper analysis about the network (Interpretation of the SNA results to the network)

I made a dataset from one of the discussion boards that I took last semester. Students made comments for other students' discussion boards. I counted every single comment from the students' discussion board. Nodes are represented by student id; for example, chy2114 is my student id from the discussion board. The rule for the discussion board is that there is no limitation for the number of students' comments. Some students didn't make their comments to the others; some even made two comments that looked like they were having a conversation with each other. When a student comments on the other student, they connect by the edge between two nodes. I made my dataset/CSV file with google sheets and visuals with gephi.

There were two visualizations above. I defined them as visual 1 and visual 2. Both visuals are described by degree. I wanted to observe the overall Social Network via visual 1. Visual 2 makes more analysis to understand this SNA better. Since my dataset is related to the comments, I thought that degrees would be better to check how many comments students made to find connections and relationships. Students might leave their comments unintentionally or intentionally; we can observe students' favor via this social network analysis. From visual 2, the darker edges show that students had more comments about each other. All the lighter lines made that they had communications at least once. The interesting observation from this SNA was, "atr60" and "te80" communicated a lot with each other, and "rr910" made many conversations(more than one comment) with seven people. ("bzumas, "nl247", "pl416", "et309", "vhp28", "mo465", and "bjb202") I can assume that "atr60" and "te80" made many comments each other a lot which shows that they build a relationship via communication. "Rr910" shows that he or she read many different perspectives of comments to make comments for others.