



SNA 17- 18 Exercise on subgroups

Data set: ego networks

Subgroups in your ego network

- Run the clique procedures on your ego-network data
- Network>subgroups>cliques
- # of cliques; their dimension (approximate – a majority of cliques size 3, 4, 5 ...) ; who is together in those cliques – example: those who live nearby? The family? Those of similar age?
- # of clusters? Who is gathered in the same clusters? On what basis do you differentiate clusters amongst themselves?

HIERARCHICAL CLUSTERING OF OVERLAP MATRIX

j f q y a j b w h f c u z i e l i p s d a r g m r c t d b o n v g h
 a r u o b i e a a r a p o v e a e r a t a l o a e i h o a o v a i e u k
 c a i r e m n l l e r t e o v r n v t e n e b r l c r m l b i n c r g e

Level	1	6	2	2	2	3	1	1	1	1	2	3	1	3	1	1	2	3	3	1	2	2	2	3	1	2	3		
6.000
3.667
3.000
2.667
2.000
1.571
1.556
1.111
1.000
0.750
0.667
0.550
0.454
0.333
0.296
0.244
0.169
0.146
0.124
0.027
0.021
0.000

4 clusters

3 clusters

EXAMPLE OF DIVISION IN CLSUTERS- Sillicon friendship - symmetric

Homophily measure : E-i index

UCINET: network >cohesion>E-I index>

Input data set : ego network

Attribute : you choose (relation? Geographic location?)

WHAT ARE THE LEVELS of homophily/heterophily among the groups you choose (based on the choice of attribute). How do you explain them?