

Coding of the personal data sets for social networks course

The individual data sets you receive were collected as part of Andrea Knecht's PhD study at Utrecht University. They consist of information about first-year students in Dutch secondary schools (aged 12-13) in the school year 2003-04. The data were obtained as sociocentric networks within the school class boundary.

The variables are coded as follows:

- **fri** contains a list of four networks of friendship nominations:
 - Wave V August/September 2003
 - Wave W November/December 2003
 - Wave X February/March 2004
 - Wave Y May/June 2004Networks are provided in adjacency matrix format, coding:
 - 0 = no friendship reported
 - 1 = friendship reported
 - NA = person did not respond
 - 10 = structurally absent student
- **fem** contains sex information (0=male, 1=female)
- **hob** contains a two-mode network with information about leisure activities
 - MM = making music
 - LM = listening to music
 - SH = shopping
 - SP = doing sports
 - CG = playing computer games
 - OU = going out
 - GO = gossip with friends
 - TV = watching television
 - DR = drawing / sketching
 - RE = readingNetworks are provided in adjacency matrix format, coding:
 - 0 = no hobby reported
 - 1 = hobby reported
 - NA = person did not respond
 - 10 = structurally absent student
- **alc.xyz** contains information about alcohol consumption over time
 - beh = behavior (drinking alcohol over the last three months, scale: 1='never', 2= 'once' , 3= 'two to four times' , 4= 'five to ten times', 5='more than ten times')
 - att = attitude towards drinking (scale: 1='drinking is very stupid', 2='drinking is stupid', 3='drinking doesn't matter', 4='drinking is good', 5='drinking is very good')
- **tob.xyz** contains information about tobacco consumption over time
 - beh = behavior (smoking cigarettes over the last three months, scale: 1='never', ... , 5='more than ten times')
 - att = attitude towards smoking (scale: 1=' smoking is very stupid', ... , 5=' smoking is very good')
- **sch.xyz** contains information about school engagement over time
 - beh = behavior (scale constructed from the items "coming too late to school", "playing truant", "paying attention in class", "always doing the homework"; range 1-5)

- att = attitude towards school (scale constructed from how students reacted to the behavior items on a scale ranging from 'I find it very good' to 'I find it very stupid if someone does this')
- spo.xyz contains information about sports over time
 - beh = behavior (agreement to statement "I am very sporty", scale: 1='completely untrue', ... , 5='completely true')
 - att = attitude (ranges from 1='I find it very stupid if someone is sporty' to 5='I find it very good')
- res.xyz contains information about response of actors over time (boolean)
 - act = being an active respondent
 - pas = being nominated by others
- str.abs contains information about structural absence of actors over time (boolean)

Literature

Knecht, A. B. (2004). *Network and actor attributes in early adolescence*. DANS.
<https://doi.org/10.17026/dans-z9b-h2bp>

Knecht, A. B. (2008). *Friendship selection and friends' influence. Dynamics of networks and actor attributes in early adolescence*. PhD dissertation. Utrecht University.