Read Me File for Grooming and Ranks data for Lerch et al., "Better baboon breakups: Collective decision theory of complex social network fissions"

Each social group fission in the Amboseli baboon data set is represented by two files, a ranks file and a grooming file. An additional file, called Fission_Dates, provides the dates at which each of the social groups began their permanent fission and the date on which each fission was considered complete.

- The ranks file contains social dominance ranks for each adult female and each adult male in each month for the two years before, during, and after each fission.
- The grooming file contains all grooming interactions between adults in each month for the two years before and the two years after each fission; grooming events collected during fissions (which lasted varying lengths of time) are also included.
- In Lerch et al. 2021, grooming interactions that occurred during a fission event (i.e., between the beginning and end of each fission) were not used in the analysis, and grooming interactions that occurred after a fission event were only used to determine daughter group membership.

The ranks files are CSV UTF-8 files and contain the following columns:

- Rnkid: an index column with a unique arbitrary value
- Sname: the individual identifier of the individual baboon represented by that row
- Rnkdate: The month in which the social dominance rank was assigned to the individual; the date is provided as yyyy-mm-dd, but all days are coded as the first of the month, as ranks are calculated only on a monthly basis.
- Grp: the social group in which the dominance rank was assigned to the individual
- Rnktype: An indicator of whether the rank was a adult male rank (ALM) or an adult female rank (ADF)
- Ordrank: The ordinal dominance rank assigned to the individual in that month.
- Proprank: The proportional rank assigned to the individual in that month; proportional rank is defined as the proportion of adult individuals of the same sex that are dominated by the individual
- Rank: The ordinal dominance rank assigned to the individual in that month (column is named Ordrank in most files)

The grooming files are CSV UTF-8 files and contain the following columns:

- Iid: an indix column with a unique arbitrary value
- Act: The behavior in which the individuals were engaged (always "G" for grooming in this dataset)
- Date: The date on which the grooming was observed. See "Fission_Dates.csv" to determine whether the date of grooming was before, during, or after a fission event completed.
- Actor: The individual identifier of the individual who was doing the grooming
- Actee: The individual identifier of the individual who was being groomed

The file Fission_Dates is a CSV UTF-8 file and contains the following columns:

- Group: The specific social group fission
- Begin: The date on which the fission was determined to have been initiated
- End: The date on which the fission was determined to have ended