

Worksheet Kin selection

- 1) A) In what way does overall sociability confirm with what we expect from Hamilton's rule in baboons?
- B) Why might be the paternal sisters such an outlier?

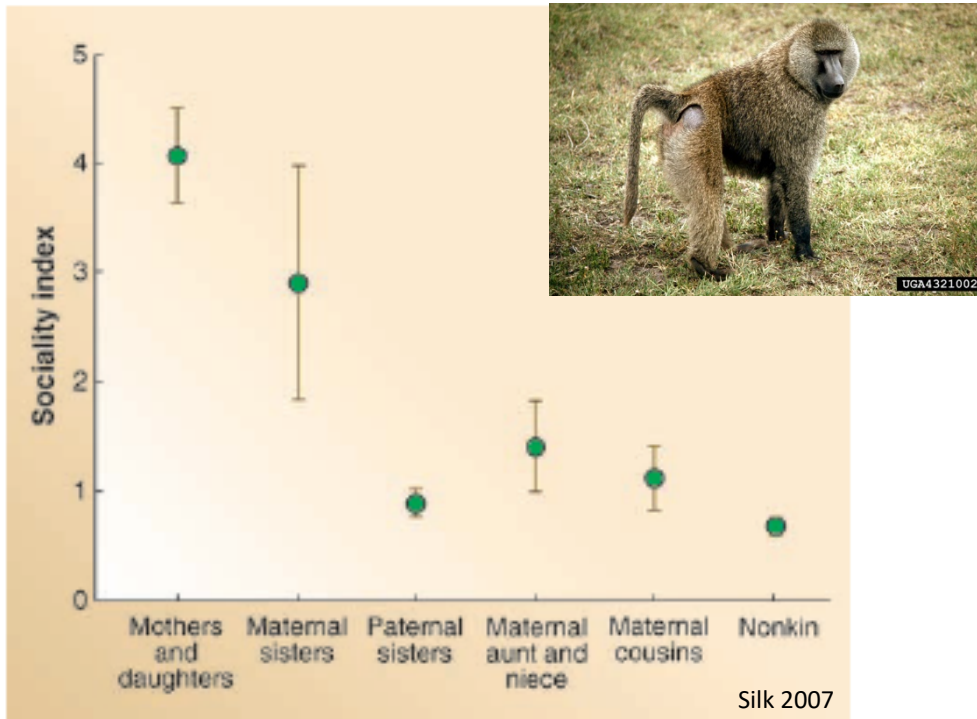


Fig. 2. The relationship between maternal and paternal kinship and the strength of social bonds among female baboons. The category of relatedness is plotted on the x axis, and the mean and standard error of values of the sociality index are plotted on the y axis. The sociality index is a composite measure of dyadic relationship strength based on the frequency of grooming and proximity. [Redrawn from (22)]

- 2) Cooperation among chimpanzee males. Compare the willingness to cooperate between maternal (left graph A) and paternal kin (right graph B). What is the difference and why?

