Weibel, C.J., J. Tung, S.C. Alberts, E.A. Archie. Accelerated reproduction is not an adaptive response to early life adversity in wild baboons.
Proceedings of the National Academy of Sciences.

File list:

1. pred1.csv
2. initial_analysis_2_first_birth.csv
3. initial_analysis_2_ibi.csv
4. initial_analysis_2_crp.csv
5. ped_matrix.csv
6. all_other_analyses.csv

File descriptions:

pred1.csv
This file contains information to test the relationship between early life adversity and adult survival (prediction 1).

Variable name	Structure	Description
anon_sname	Factor	Anonymized names of subjects in the population
mom_rank_birth	Integer	The subject's mother's ordinal rank
rain_first_year_categorical	Factor	Whether the subject experienced a drought in the first year of life (0 = no drought; 1 = drought)
group_size_birth	Integer	The subject's group size
maternal_sci	Numeric	The subject's mother's level of social isolation
mom_death_categorical	Factor	Whether the subject's mother died (0 = no death; 1 = death)
competing_sibling_categorical	Factor	Whether the subject had a competing younger sibling (0 = no sibling; 1 = sibling)
cumulative_adversity_three_plus	Integer	The number of adverse events the subject experienced in early life. Subjects with three or more adverse events are grouped together (range = 0-3)
lifespan_years	Numeric	The subject's age in years when she died or was censored
censor_dead	Factor	Whether the subject died or was censored (1 = censored; 2 = dead)

initial_analysis_2_first_birth.csv
This file contains information to test the relationship between early life adversity and age at first live birth (initial analysis 2: age at first birth). Additionally, this file should be used for the *post hoc* analysis to test whether an early age at first birth is costly for females who experience maternal death.

Variable name	Structure	Description
anon_sname	Factor	Anonymized names of subjects in the population
age_first_birth	Numeric	The subject's age in years when she gave birth to her first live offspring
mom_death_categorical	Factor	Whether the subject's mother died (0 = no death; 1 = death)
competing_sibling_categorical	Factor	Whether the subject had a competing younger sibling (0 = no sibling; 1 = sibling)
maternal_sci	Numeric	The subject's mother's level of social isolation
cumulative_adversity_three_plus	Integer	The number of adverse events the subject experienced in early life. Subjects with three or more adverse events are grouped together (range = 0-3)
group_size_females_first_birth	Integer	The size of the subject's group when she gave birth to her first live offspring
year	Integer	The year of the subject's birth
pop_growth_two_years	Numeric	The rate of population growth when the subject was born
lifespan_years	Numeric	The subject's age in years when she died or was censored
censor_dead	Factor	Whether the subject died or was censored (1 = censored; 2 = dead)

initial_analysis_2_ibi.csv
This file contains information to test the relationship between early life adversity and the length of surviving interbirth intervals (initial analysis 2: interbirth intervals).

Variable name	Structure	Description
anon_sname	Factor	Anonymized names of subjects in the population
log_ibi	Numeric	The log transformed length in days of the interbirth interval (IBI)
mom_death_categorical	Factor	Whether the subject's mother died (0 = no death; 1 = death)
competing_sibling_categorical	Factor	Whether the subject had a competing younger sibling (0 = no sibling; 1 = sibling)
maternal_sci	Numeric	The subject's mother's level of social isolation
cumulative_adversity_three_plus	Integer	The number of adverse events the subject experienced in early life. Subjects

		with three or more adverse events are grouped together (range = 0-3)
rank	Integer	The subject's ordinal dominance rank at the birth of the first infant in the IBI series
primiparity	Factor	Whether the subject was primiparous at the birth of the first infant in the IBI series (0 = not primiparous; 1 = primiparous)
mom_age_first_kid	Numeric	The subject's age in years at the birth of the first infant in the IBI series
mom_age_first_kid_sq	Numeric	The subject's squared age in years at the birth of the first infant in the IBI series
year	Integer	The year of the subject's birth
pop_growth_two_years	Numeric	The rate of population growth when the subject was born

initial_analysis_2_crp.csv

This file contains information to test the relationship between early life adversity and combined reproductive pace (initial analysis 2: combined reproductive pace).

Variable name	Structure	Description
anon_sname	Factor	Anonymized names of subjects in the population
crp	Numeric	The subject's combined reproductive pace
mom_death_categorical	Factor	Whether the subject's mother died (0 = no death; 1 = death)
competing_sibling_categorical	Factor	Whether the subject had a competing younger sibling (0 = no sibling; 1 = sibling)
maternal_sci	Numeric	The subject's mother's level of social isolation
cumulative_adversity_three_plus	Integer	The number of adverse events the subject experienced in early life. Subjects with three or more adverse events are grouped together (range = 0-3)
avg_rank	Numeric	The subject's average ordinal dominance rank at the birth of the first infant in the IBI series
group_size_females_first_birth	Integer	The size of the subject's group when she gave birth to her first live offspring
year	Integer	The year of the subject's birth
pop_growth_two_years	Numeric	The rate of population growth when the subject was born

ped_matrix.csv
This file contains the pedigree matrix for the population, which is included as a random effect in the initial analysis 2 models. Column and row names represent the anonymized names of subjects in the population.

all_other_analyses.csv
This file contains information for all other analyses conducted in this paper:
- Testing the relationship between pace of reproduction and lifetime reproductive success (initial analysis 1)
- Testing whether accelerated reproduction is an adaptive response to early life adversity (prediction 2)
- Testing whether accelerated reproduction is an adaptive response to short expected lifespans (prediction 3)
- *Post hoc* analysis testing whether short interbirth intervals or a fast combined reproductive pace is costly for females who experience maternal death

Variable name	Structure	Description
anon_sname	Factor	Anonymized names of subjects in the population
age_first_birth	Numeric	The subject's age in years when she gave birth to her first live offspring
avg_log_ibi	Numeric	The log transformed average length in days of the subject's interbirth intervals (IBIs)
crp	Numeric	The subject's combined reproductive pace
mom_death_categorical	Factor	Whether the subject's mother died (0 = no death; 1 = death)
competing_sibling_categorical	Factor	Whether the subject had a competing younger sibling (0 = no sibling; 1 = sibling)
maternal_sci	Numeric	The subject's mother's level of social isolation
cumulative_adversity_three_plus	Integer	The number of adverse events the subject experienced in early life. Subjects with three or more adverse events are grouped together (range = 0-3)
lifespan_years	Numeric	The subject's age in years when she died or was censored
censor_dead	Factor	Whether the subject died or was censored (1 = censored; 2 = dead)
lrs	Integer	Lifetime reproductive success, defined as the total number of live offspring born to each female
lrs_survive	Integer	Lifetime reproductive success, defined as the total number of offspring born to each female that survived to 70 weeks