Description of data files and variable names

Shedding new light on ovulatory cycle shifts in women's mate attraction and preferences

Stern, Kordsmeyer & Penke, 2020

Please contact Julia Stern (julia.stern@psych.uni-goettingen.de) if you have any questions.

R scripts:

1. **OS_cycle2_body_ratings.Rmd** = R Markdown file which includes all relevant data transformations and all models for the analyses. Note that all results from all models are automatically extracted from this script and converted to a PDF file with the same name, in which interested readers can find the code and the results all together.

Data files:

1. **data_male_female_bodies_objects.csv** * = This is the cleaned, restructured and combined whole dataset in long-format. You may want to use this data for checking analyses and results.
2. **cycle2_rating_male_bodies.csv** * = Attractiveness rating raw data for male bodies, in wide format, uncleaned/ untransformed. Just uploaded to provide raw data. You may want to used the cleaned version above.
3. **male_body_characteristics.csv** * = raw data of body measures from all male stimuli. Just uploaded to provide raw data. You may want to used the cleaned version above

Variable names:

Please note that additional variables and data transformations (e.g. the mean-centered hormone values, z-scoring etc.) are created within the open script.

"MaleID" – Male body ID

"Person"   - Female participant's code

"Session"   - 1 = First testing session, 2 = second testing session...

"available_CR" : Whether conception risk could be assigned (=1) or not (=0), based on LH tests

"conception_risk": Women's conception risk on the particular testing days, based on LH tests, see Table 4 in the manuscript.

"age"   - Female participant's age

"progesterone"   - Salivary progesterone for that session (LCMS)

 "estradiol"   - Salivary estradiol for that session, analyzed with immuno assays

 "E_P"   - Estradiol-to-progesterone ratio for that session (from immune assayed estradiol)

"relationship_status"   - Female participant's relationship status. -1 = Single, 1 = Partnered

"stress"   - self-reported stress value from diary study

"roney_desire" – sexual desire item, taken from Roney and Simmons (2013). "How much do you desire sexual contact today?"

 "Rating"   - Sexual attractiveness ratings for male bodies

"Male_Age"   - Male's age

"strength"   - Male's physical strength

 "height"   - Male's body height

"BMI"   - Male's BMI

"upperarmgirth_mean_left_right"- Male's upperarm girth, right and left upperarm averaged

"WHtR"   - Male's waist-to-heigth-ratio (indicator of body fat mass)

"SHR"   - Male's Shoulder-hip-ratio

 "SCR"   - Male's Shoulder-chest-ratio

"relative_torso_vol"   - Male's upper torso volumne relative to lower torso volumne

 "dominance"   Male's other rated bodily dominance (likeliness to win a physical fight)

"testosterone men"   Male's testosterone levels

"WHR"   Male's waist-to-hip-ratio

"Muscularity"   Male's other rated body muscularity

"FemaleID"   Female body ID

"Rating_f"   Sexual attractiveness ratings for female bodies

"ObjectID"   Object ID

"Rating_o"   Ratings for objects