

Correction to Arslan et al. (2018)

In the article “Using 26,000 Diary Entries to Show Ovulatory Changes in Sexual Desire and Behavior” by Ruben C. Arslan, Katharina M. Schilling, Tanja M. Gerlach, and Lars Penke (*Journal of Personality and Social Psychology*. Advance online publication. August 27, 2018. <http://dx.doi.org/10.1037/pspp0000208>), the number of participants available for robustness checks should have been 1,054, not 1,043, and applies to the third sentence in the abstract, the first sentence of the second paragraph in the Participants section, the first sentence of the second paragraph in the Robustness Checks section, and the subsample size of women in Table 3. The correct number of naturally cycling usable data should have been 429, not 421. The correct number of diary days should have been 26,680, not 25,948. The correct percentage of diary days in the fourth sentence in the Exclusion Criteria section should have been 5%. Figure 1 should have included guessing hypotheses ($n = 40$) and long diary interruptions ($n = 41$) as further reasons for exclusion, and an error in the *effsize* R package led to the reporting of inflated effect sizes for the differences between hormonal contraceptive users and non-users in Table 1. Figure 1, Table 1, and Table 3 have been corrected. Correcting a programming error when aggregating the moderator variable “partner’s attractiveness relative to self” entailed no substantive changes to the preregistered results, but changed moderator results in the robustness checks. After correcting the programming error, moderator effects were significant for extra-pair desire and behavior ($p = .006$) and partner mate retention ($p = .001$). However, these effects were not robust when allowing for random slopes and correcting for multiple testing. As stated in the article, final conclusions about moderators should not yet be drawn. None of the errors above affected the preregistered tests. All versions of this article have been corrected.

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An extended version of this Correction was uploaded on 20 June 2019 to Ruben Arslan’s Blog on github, available here:

<https://rubenarslan.github.io/posts/2019-06-20-correction-to-arslan-et-al-2019-using-26000-diary-entries-to-show-ovulatory-changes-in-sexual-desire-and-behavior/>