Changelog

2021/05/01, changes since PsyArXiv preprint version 1:

* Identified a programming error that lead to participants being excluded in exclusion sets 2 and 3 while still counting towards the total sample size for those sites. This lead to an underestimation of SE(d) at some sites. Now the calculation of d and SE(d) should be true to the retained sample size after exclusions.
* Excluded from analysis sites that did not collect at least 60 participants. Participants collected prior to preregistration count towards this threshold but are not included in analysis.
* Refactoring of cleaning, analysis, and reporting scripts to improve readability of code.
* Switched models from three-level meta-analyses using metaSEM::meta3() to random-effects meta-analyses using metaSEM::meta(). This was motivated by convergence errors (OpenMX Status: 5) caused by too few effect sizes per site (mode = 1, max = 2).
* Participants at UWMadison’s expert-designed protocol are assumed to have completed both writing prompts despite having NA for variable “msincomplete”. As explained in commit [03dc9ccf](https://github.com/raklein/ml4/commit/03dc9ccf047c8c25c1e02cd6566d0bcb7a1bc1e7):

uwmadison\_expert left the msincomplete variable NA instead of coding "0" or "1". We noticed this late, and can't be 100% certain whether they completed the coding. However, they took detailed notes and reported that no responses were abnormal. In addition, at the other expert sites, none reported a case where a participant left both responses blank. So, it seems a safe assumption that all or nearly all of these participants did in fact complete the ms prompts. It seems a much more drastic step to remove the whole sample.

* Implemented “follow-up exploratory analyses” in metaSEM instead of t-test.
  + Analysis of participants who preferred the pro-US author now filters correctly to just those participants.
* Data preprocessing now attempts to make demographic data from in-house sites match the expert template, in case one wants to explore application of the exclusion rules to the in-house data.
* Implemented check for participants writing at least one character of text for each prompt at in-house sites. This is not used for exclusions as in-house sites are exempted from the exclusion rules, but could be used.