1   **An Intentional Bi-Factor Engagement Measure: Final Scale Definitions**

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Abstract

We are using this SIOP submission as the main place we try to get from 20 to 18 items. This will later be incorporated into the larger paper as well as the tech report.

Keywords: keywords

Word count: X

17 **An Intentional Bi-Factor Engagement Measure: Final Scale Definitions**

18 Bornovalova et al. (2020) talk about issues with bifactor analysis (article is in

19 "Articles" folder on repository)

20 This is the paper that gets us from 20 items down to the desired 18. We did NOT

21 consult with Freud (2012) for any analyses!!!

Methods

23 We relied on CFA modification indices and corrected item-total correlations

Participants

25 Our sample size is 236

Material

Procedure

Data analysis

29 We used R (Version 4.1.1; R Core Team, 2022) and the R-packages *dplyr* (Version

30 1.0.9; Wickham, François, et al., 2022), *forcats* (Version 0.5.1; Wickham, 2021), *ggplot2*

31 (Version 3.3.6; Wickham, 2016), *papaja* (Version 0.1.0.9999; Aust & Barth, 2022), *purrr*

32 (Version 0.3.4; Henry & Wickham, 2020), *readr* (Version 2.0.1; Wickham, Hester, et al.,

33 2022), *stringr* (Version 1.4.0; Wickham, 2019), *tibble* (Version 3.1.7; Müller & Wickham,

34 2021), *tidyr* (Version 1.2.0; Wickham & Girlich, 2022), *tidyverse* (Version 1.3.1; Wickham

35 et al., 2019), and *tinylabels* (Version 0.2.3; Barth, 2022) for all our analyses.

Results

Discussion

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