

## **The title**

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The authors made the following contributions. First Author: Conceptualization, Writing - Original Draft Preparation, Writing - Review & Editing; Ernst-August Doelle: Writing - Review & Editing, Supervision.

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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

## The title

Bornovalova et al. (2020) talk about issues with bifactor analysis

```
## Warning in janitor::row_to_names(., 1, remove_rows_above = TRUE): Row 1 does not  
## provide unique names. Consider running clean_names() after row_to_names().
```

This is the paper that gets us from 20 items down to the desired 18. We did NOT consult with Freud (2012) for any analyses!!!

## Methods

CFA modification indices and corrected item-total correlations

## Participants

Our sample size is 236

## Material

## Procedure

## Data analysis

We used R (Version 4.1.1; R Core Team, 2022) and the R-packages *dplyr* (Version 1.0.9; Wickham, François, et al., 2022), *forcats* (Version 0.5.1; Wickham, 2021), *ggplot2* (Version 3.3.6; Wickham, 2016), *papaja* (Version 0.1.0.9999; Aust & Barth, 2022), *purrr* (Version 0.3.4; Henry & Wickham, 2020), *readr* (Version 2.0.1; Wickham, Hester, et al., 2022), *stringr* (Version 1.4.0; Wickham, 2019), *tibble* (Version 3.1.7; Müller & Wickham, 2021), *tidyr* (Version 1.2.0; Wickham & Girlich, 2022), *tidyverse* (Version 1.3.1; Wickham et al., 2019), and *tinylabels* (Version 0.2.3; Barth, 2022) for all our analyses.

## Results

## Discussion

## References

- Aust, F., & Barth, M. (2022). *papaja: Prepare reproducible APA journal articles with R Markdown*. <https://github.com/crsh/papaja>
- Barth, M. (2022). *tinylabels: Lightweight variable labels*.  
<https://cran.r-project.org/package=tinylabels>
- Bornovalova, M. A., Choate, A. M., Fatimah, H., Petersen, K. J., & Wiernik, B. M. (2020). Appropriate use of bifactor analysis in psychopathology research: Appreciating benefits and limitations. *Biological Psychiatry*, 88(1), 18–27.
- Freud, S. (2012). *The basic writings of sigmund freud*. Modern library.
- Henry, L., & Wickham, H. (2020). *Purrr: Functional programming tools*.  
<https://CRAN.R-project.org/package=purrr>
- Müller, K., & Wickham, H. (2021). *Tibble: Simple data frames*.  
<https://CRAN.R-project.org/package=tibble>
- R Core Team. (2022). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. <https://www.R-project.org/>
- Wickham, H. (2016). *ggplot2: Elegant graphics for data analysis*. Springer-Verlag New York. <https://ggplot2.tidyverse.org>
- Wickham, H. (2019). *Stringr: Simple, consistent wrappers for common string operations*.  
<https://CRAN.R-project.org/package=stringr>
- Wickham, H. (2021). *Forcats: Tools for working with categorical variables (factors)*.  
<https://CRAN.R-project.org/package=forcats>
- Wickham, H., Averick, M., Bryan, J., Chang, W., McGowan, L. D., François, R., Grolemund, G., Hayes, A., Henry, L., Hester, J., Kuhn, M., Pedersen, T. L., Miller, E., Bache, S. M., Müller, K., Ooms, J., Robinson, D., Seidel, D. P., Spinu, V., ... Yutani, H. (2019). Welcome to the tidyverse. *Journal of Open Source Software*, 4(43), 1686.  
<https://doi.org/10.21105/joss.01686>
- Wickham, H., François, R., Henry, L., & Müller, K. (2022). *Dplyr: A grammar of data*

*manipulation.* <https://CRAN.R-project.org/package=dplyr>

Wickham, H., & Girlich, M. (2022). *Tidyr: Tidy messy data.*

<https://CRAN.R-project.org/package=tidyr>

Wickham, H., Hester, J., & Bryan, J. (2022). *Readr: Read rectangular text data.*

<https://CRAN.R-project.org/package=readr>