Running head: TITLE 1

The title

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Author Note

- Add complete departmental affiliations for each author here. Each new line herein must be indented, like this line.
- Enter author note here.

5

- The authors made the following contributions. First Author: Conceptualization,
- Writing Original Draft Preparation, Writing Review & Editing; Ernst-August Doelle:
- Writing Review & Editing, Supervision.
- Correspondence concerning this article should be addressed to First Author, Postal address. E-mail: my@email.com

Abstract

One or two sentences providing a **basic introduction** to the field, comprehensible to a

16 scientist in any discipline.

17 Two to three sentences of more detailed background, comprehensible to scientists

in related disciplines.

One sentence clearly stating the **general problem** being addressed by this particular

20 study.

One sentence summarizing the main result (with the words "here we show" or their

22 equivalent).

23 Two or three sentences explaining what the **main result** reveals in direct comparison

to what was thought to be the case previously, or how the main result adds to previous

knowledge.

One or two sentences to put the results into a more **general context**.

27 Two or three sentences to provide a **broader perspective**, readily comprehensible to

a scientist in any discipline.

29 Keywords: keywords

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Word count: X

The title

32 Methods

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

35 Participants

36 Material

37 Procedure

38 Data analysis

- We used R (Version 4.1.2; R Core Team, 2021) and the R-packages difR (Version 5.1;
- Magis, Beland, Tuerlinckx, & De Boeck, 2010), eRm (Debelak & Koller, 2019; Hatzinger &
- 41 Rusch, 2009; Koller, Maier, & Hatzinger, 2015; Version 1.0.2; Mair & Hatzinger, 2007b,
- 2007a), Formula (Version 1.2.4; Zeileis & Croissant, 2010), ggplot2 (Version 3.3.6;
- Wickham, 2016), Hmisc (Version 4.7.1; Harrell Jr, 2021), jsscdm (George, Robitzsch,
- 44 Kiefer, Groß, & Ünlü, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016, 2016,
- ⁴⁵ 2016, 2
- ⁴⁶ 2016, 2
- $2016,\ 2016,\$
- $2016,\ 2016,\$
- 49 2016, 2016
- ⁵⁰ 2016, 2
- ${}_{51}\quad 2016,\ 2016,$
- $2016,\ 2016,\$
- $2016,\ 2016,\$

- 2016, 2
- 55 kableExtra (Version 1.3.4; Zhu, 2021), knitr (Version 1.40; Xie, 2015), lattice (Version
- 56 0.20.45; Sarkar, 2008), lavaan (Version 0.6.9; Rosseel, 2012), lme4 (Version 1.1.27.1; Bates,
- Mächler, Bolker, & Walker, 2015), ltm (Version 1.2.0; Rizopoulos, 2006), MASS (Version
- ⁵⁸ 7.3.54; Venables & Ripley, 2002), *Matrix* (Version 1.3.4; Bates & Maechler, 2021), *mirt*
- ⁵⁹ (Version 1.36.1; Chalmers, 2012), msm (Version 1.6.9; Jackson, 2011), mvtnorm (Version
- 60 1.1.3; Genz & Bretz, 2009), papaja (Version 0.1.0.9999; Aust & Barth, 2022), pheatmap
- 61 (Version 1.0.12; Kolde, 2019), polycor (Version 0.8.1; Fox, 2022), psych (Version 2.1.9;
- Revelle, 2021), readxl (Version 1.4.0; Wickham & Bryan, 2022), sem Tools (Version 0.5.5;
- Jorgensen, Pornprasertmanit, Schoemann, & Rosseel, 2021), sirt_3.11-21 (Robitzsch,
- 64 2021), survival (Version 3.2.13; Terry M. Therneau & Patricia M. Grambsch, 2000),
- 65 TAM_4.0-16 (Robitzsch, Kiefer, & Wu, 2022), and tinylabels (Version 0.2.3; Barth, 2022)
- 66 for all our analyses.

Results

Discussion

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