This form documents the artifacts associated with the article (i.e., the data and code supporting the computational findings) and describes how to reproduce the findings.

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This paper	does	onumber	involve	analysis	of	external	${\rm data}$	(i.e.,	no	${\rm data}$	are	used	or	the	only	data	are
generated b	by the	auth	ors via	simulatio	n i	in their co	ode).										

☑ I certify that the author(s) of the manuscript have legitimate access to and permission to use the data used in this manuscript.

Abstract

We provide data and R code.

Availability

 \square Data **are** publicly available.

 \square Data **cannot be made** publicly available.

If the data are publicly available, see the *Publicly available data* section. Otherwise, see the *Non-publicly available data* section, below.

Publicly available data

Ш	Data	are	avaı.	lable	e on	line	at:

 \square Data are available as part of the paper's supplementary material.

 \square Data are publicly available by request, following the process described here:

□ Data are or will be made available through some other mechanism, described here:

Non-publicly available data

Description

File format(s)

 \square CSV or other plain text.

□ Software-specific binary format (.Rda, Python pickle, etc.): pkcle

□ Standardized binary format (e.g., netCDF, HDF5, etc.):

 \boxtimes Other (please specify): A .zip file contains all the files.

Data dictionary

☑ Provided by authors in the following file(s): A .zip file contains all the files.

☐ Data file(s) is(are) self-describing (e.g., netCDF files)

 \square Available at the following URL:

Additional Information (optional)

Part 2: Code

Abstract

We provide R code for simulation and data analysis.

Description
$\operatorname{Code} \operatorname{format}(\operatorname{s})$
⊠ Script files □ R □ Python □ ATLAB □ Python □ MATLAB toolbox □ Other: □ Reproducible report □ R Markdown □ Jupyter notebook □ Other: □ Shell script □ Other (please specify):
Supporting software requirements
Version of primary software used R version 4.1.3
Libraries and dependencies used by the code tictoc (Version 1.0.1), mice (Version 3.14.0), dplyr (Version 1.0.8), parallel (Version 4.1.3), xlsx (Version 0.6.5), ggplot2 (Version 3.3.5), readstata13 (Version 0.10.0), boot (Version 1.3-28), MASS(Version 7.3-55), scales (Version 1.2.1).
Supporting system/hardware requirements (optional)
MacOS monterey Version 12.1 Apple M1 Memory 8 GB
$x86_64$ -apple-darwin17.0 (64-bit)
Parallelization used
 □ No parallel code used ⋈ Multi-core parallelization on a single machine/node Number of cores used: 8 □ Multi-machine/multi-node parallelization Number of nodes and cores used:
License
 MIT License (default) □ BSD □ GPL v3.0 □ Creative Commons □ Other: (please specify)

Additional information (optional)

Part 3: Reproducibility workflow

Scope

Scope
The provided workflow reproduces:
 ☒ Any numbers provided in text in the paper ☒ The computational method(s) presented in the paper (i.e., code is provided that implements the method(s)) ☒ All tables and figures in the paper ☒ Selected tables and figures in the paper, as explained and justified below:
Workflow
Location
The workflow is available:
 ☑ As part of the paper's supplementary material. ☐ In this Git repository: ☐ Other (please specify):
Format(s)
 □ Single master code file □ Wrapper (shell) script(s) □ Self-contained R Markdown file, Jupyter notebook, or other literate programming approach □ Text file (e.g., a readme-style file) that documents workflow □ Makefile □ Other (more detail in <i>Instructions</i> below)
Instructions
Please simply run the R code we provide.
Expected run-time
Approximate time needed to reproduce the analyses on a standard desktop machine:
 □ < 1 minute □ 1-10 minutes □ 10-60 minutes ⊠ 1-8 hours ⊠ > 8 hours □ Not feasible to run on a desktop machine, as described here:
Additional information (optional)

Computation time for the unidentifiable cases is longer than the identifiable cases.

Notes (optional)