Replication file for

Measuring Misperceptions?

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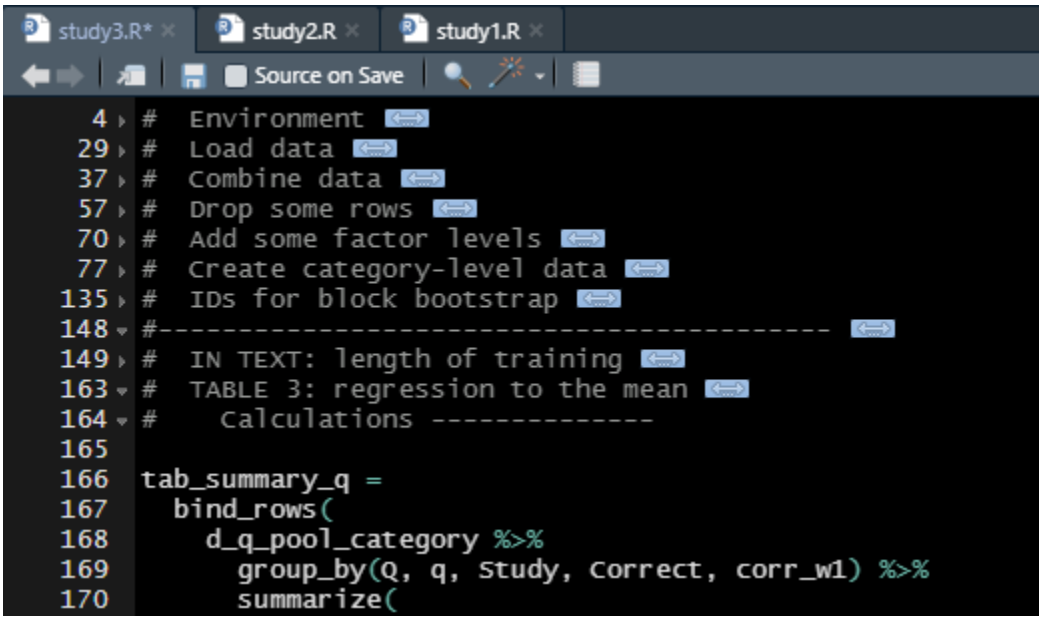
Overview

This document is a guide to the replication file it accompanies.

To begin using the replication file, download the full .zip file from the Dataverse and extract everything into the same directory.

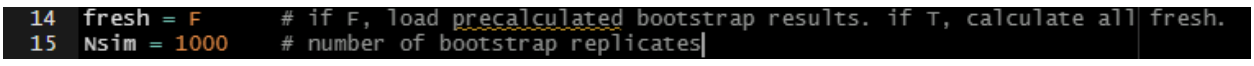
About the scripts

All of the data analysis is conducted in R. The scripts are optimized for viewing in RStudio, or another program that automatically treats lines that end in repeated special characters as headers. When all of the sections are collapsed, they function as a table of contents. For example, from study3.R:



To run each script, begin in the environment section. Set the working directory to your folder by changing the path in setwd("path"). Each script's environment section contains all of the R packages that must be installed to run the entire script.

study3.R calculates some results using the block bootstrap, which is time- and memory-intensive. By default, the script is set up to load precalculated results from the bootstrap_results subfolder. This is controlled by the following script options:



If fresh = F, instances of the block bootstrap function (block_boot()) will not run; instead, pre-calculated results import from the bootstrap_results subfolder. If fresh = T, the block bootstrap function will run. You can adjust the number of simulations by changing Nsim.

List of scripts

helpers.R	Contains styles and functions for use in the other scripts.
study1.R	Performs all analysis for study 1 and the corresponding appendix.
study2.R	Performs all analysis for study 2 and the corresponding appendix.
study3.R	Performs all analysis for studies 3 and 4 and the corresponding appendices.

List of data files

codebook.pdf	Describes all variables that appear in the datasets listed below.
study1.csv	Data for study 1.
study2a.csv	Data for study 2a.
study2b.csv	Data for study 2b.
study3a_q.csv	Data for study 3a and 4a: responses to factual questions.
study3b_q.csv	Data for study 3b and 4b: responses to factual questions.
study3a_covar.csv	Data for study 3a and 4a: all other variables.
study3b_covar.csv	Data for study 3b and 4b: all other variables.