README: How Culturally Wise Psychological Interventions Can Help Reduce Poverty

2025-08-11

OVERVIEW

The code in this replication package integrates the following data sources using R:

• Study 1: Descriptive Forecasting Data on Mental Models from a US sample 1. U.S. Forecasting Sample (Data/Study1_predictions.csv)

• Study 1 and 2: Policy Experiment from Niger (as published in Bossuroy et al., 2022) 2. Baseline (Data/baseline_NER_hh.csv) and 3. Follow-up 1 and Follow-up 2, with some baseline values (Data/allrounds_NER_hh.csv)

• Study 1 and 3: Mechanism Experiment from Niger (Study 3) 4. Endline (Data/Study3_endline.csv) 5. Immediate outcomes assessed for those in treatment conditions only (Data/Study3_ImmediateOutcomes.csv) 6. Administrative data on program participation rates (Data/Study3_admin.csv)

The code to reproduce all results in the manuscript can be found in one .Rmd file named "CulturallyWise_Code.Rmd". This file pulls in cleaning script for Study 3 to construct the final dataset ("Study3_Construct.Rmd"). It also integrates other datasets for analyses where needed.

This code recreates all numbers provided in the manuscript text as well as: - Figure 2 (Study 1) - Figure 3 (Study 2) - Figure 5 (Study 3) - Table 1 (Study 3)
- Tables S1-S10 Note that Figures S1-S2 were produced manually according to data collection statistics.

DATA AVAILABILITY

• Study 1: Descriptive Data

Data for Niger participants is computed from Studies 2 and 3 datasets. Dataset and codebook for the predictions from a U.S. sample are available at https://microdata.worldbank.org/index.php/catalog/7859.

• Study 2: Policy Experiment from Niger (as published in Bossuroy et al., 2022)

Data from the policy experiment's follow-up survey (as published in Bossuroy et al., 2022) and questionnaires can be found here: https://microdata.worldbank.org/index.php/catalog/4294 and accompanying code here: https://github.com/dime-worldbank/niger-asp-reprod.

• Study 3 Datasets and codebooks are available at https://microdata.worldbank.org/index.php/catalog/7859. Most variables overlap with those described in the codebook that can be found here: https://microdata.worldbank.org/index.php/catalog/4294.

Statement about rights

- All data are publicly available.
- I certify that the authors of the manuscript have legitimate access to and permission to use the data used in this manuscript.

COMPUTATIONAL REQUIREMENT

Last run with: R version 4.3.1 (2023-06-16) "Beagle Scouts"