

Replication and re-analysis of a Kenyan stepped-wedge trial Analysis files

DOI

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Data Creators

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Data Description

STATA .do files and .log files produced for a study to re-analyse data from a Kenyan stepped-wedge trial investigating the effects of a school-level deworming and health education intervention on educational outcomes. These files were used to analyse data published in a 3ie replication report and International Journal of Epidemiology paper.

Additional Information

Data processing .do files were adapted from .do files provided to the project team by Ted Miguel. Numbered .do files and .log files were shared with Ted Miguel and colleagues on the 18th of September 2014, and are unchanged. The .do file 'Sensitivity.do' was added at a later date following comments from Ted Miguel and his team that alerted us to the time-frames that were analysed in their original paper. The folders 'data' and 'tables' are empty working folders. Data associated with the study available on request by contacting Ted Miguel and his team. All analyses were conducted in STATA 13.

Ethics

Ethical approval was awarded by the LSHTM Ethics Committee on 17th March 2014, ref: 7551.

Keywords

Stepped-wedge trial, deworming, replication.

Language of written material

English

Operating system

Microsoft Windows

Programming language

STATA 13

Project Information

Project

Estimating the effect of school-level deworming and education intervention on educational outcomes: the replication and re-analysis of a stepped-wedge trial from Kenya

Funder/Sponsor

The International Institute for Impact Evaluation (3ie).

Grant Number

PHSEZA12

Associated Roles

Role	Forename	Surname	Faculty / Dept	Institution
Data Creator	Calum	Davey	PHP / SEHR	LSHTM
Project Leader	Alex	Aiken	PHP / SEHR	LSHTM
Supervisor	Richard	Hayes	EPH / IDE	LSHTM
Supervisor	James	Hargreaves	PHP / SEHR	LSHTM

File Description

Title	Filename	File type	Description
Master .do file	do\0_master.do	STATA .do file	Sets the directory; calls and logs data management and analysis files. Does not run sensitivity analysis.
Pre-processing .do file	do\1_preprocessing.do	STATA .do file	Data management and coding of outcome.
Process missing data	do\2_missingness.do	STATA .do file	Processes missing attendance data, and identifies non-visits
Prepare datasets	do\3_prep_datasets.do	STATA .do file	Organises the datasets for analysis
Baseline values	do\4_baseline.do	STATA .do file	Calculates baseline variables.
Primary outcome analysis	do\5_primary.do	STATA .do file	Conducts analysis on attendance and attainment
Worm count analysis	do\6_worm counts.do	STATA .do file	Conducts analysis of worm count data
Nutrition analysis	do\7_nutrition.do	STATA .do file	Conducts nutrition analysis
Sensitivity analysis	do\Sensitivity.do	STATA .do file	Conducts primary analysis for Scenario 1 and Scenario 2 (requires scenario to be de-commented in the file, and linking to 0_master.do)
Log of processing	logs\preparing_datasets.log	Text file	Log of the data management and preparation steps conducted on 18/09/2014. Includes investigation of missing attendance visits and data.
Log of analysis	logs\analysis.log	Text file	Log of the analysis conducted on 18/09/2014
Log of sensitivity analysis scenario 1	logs\sensitivity_analysis1.log	Text file	Log of the sensitivity analysis conducted for scenario 1 on 28/07/2015
Log of sensitivity analysis scenario 2	logs\sensitivity_analysis2.log	Text file	Log of the sensitivity analysis conducted for scenario 2 on 28/07/2015