

Documentation Do File and Datasets Corresponding to Paper “Can Mobile Phones Improve Learning? Evidence from a Field Experiment in Niger”

Do Files

The main .do file is called “ABCdofile_public.do. It provides the commands for all of the tables and figures in the paper. If authors would like the commands for creating the normalized test scores (both the raw and normalized test scores are in the data), please contact the authors directly.

Datasets

There are four datasets that are required to run the .do files. These include:

Dataset 1: The ABCtestscore.dta.

This dataset includes the raw and normalized test score data from all five rounds of writing and math tests, including: January 2009 (baseline data for both cohorts before the classes); June 2009 (data immediately after the first year of classes for the 2009 cohort only); January 2010 (data for both cohorts prior to the second year); June 2010 (data immediately after classes for both cohorts); and January 2011 (data seven months’ after classes for both cohorts). All of these are identified as rounds 1, 2, 3, 4 and 5, respectively.

The raw data have test scores values from 0, .5, 1, 2, 3, 4, 5 and 6. The normalized test scores were calculated based upon the contemporaneous non-ABC distribution.

Additional variables of interest are ABC, post, round, village code, AV code (the variable used to stratify the randomization), age, gender and region.

To protect the confidentiality of the respondents, all names and student identifiers have been removed.

Dataset 2: ABCteacher.dta

This dataset includes information on teachers’ gender, age, resident village and number of years of education. Teacher data were collected from each village in each cohort and each year.

Dataset 3: ABChousehold.dta

This dataset includes data on household and respondent-level variables from household surveys conducted in January 2009 (before the program), January 2010 and January

2011. The definitions of the variables used in the analysis are described in the dataset. The questionnaires for each survey are available (in French) upon request.

Dataset 4: ABHotline.dta

This dataset includes village-level data on the number of calls for the hotline. The hotline survey experiment was implemented in January-February 2011, and calls were received over a six-week period between February and March 2011.