

SAS file documentation for “Selection and Comparative Advantage in Technology Adoption: A Reconsideration.”

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This document describes files used to construct the Tegemeo panel data, calculate descriptive statistics and figures, and estimate the CRC and AES models.

kenya_data_extract 4-8-18.sas

Extracts data from Tegemeo raw data files and constructs files for model estimation. Output files are excel with names such as `teg_yld10_4-8-18.xls`.

kenya_9710_panel_4_8_18.sas

Reads output files from the extract program, combines them with other Tegemeo data files (such as weather data), merges, constructs variables, and constructs final estimation data sets. Data gmm91 is the file with data for all years (1997, 2000, 2004, 2007 and 2010), with variables identified by year, organized for calculation of some descriptive statistics by year and estimation of the CRC models for 1997 and 2004. Data set pan1 is the file in panel form with household ids and year id.

crc_74_all_noint_nozone_fval_5_6_18.sas

Estimates CRC model for 1997 and 2004, without covariate interactions, estimates regressions of hybrid returns on distance and other covariates, creates figures.

crc_74_all_noint_fval_low 4_20_18.sas

Estimates CRC model for 1997 and 2004, without covariate interactions, for low zone. Creates file with hybrid returns to be merged with other zones.

crc_74_all_noint_fval_med 4_20_18.sas

Estimates CRC model for 1997 and 2004, without covariate interactions, for medium zone. Creates file with hybrid returns to be merged with other zones.

crc_74_all_noint_fval_high 4_20_18.sas

Estimates CRC model for 1997 and 2004, without covariate interactions, for high zone. Creates file with hybrid returns and merges them with data from other zones, creates figures, estimates regressions of hybrid returns on distance and other covariates.

kenya_ae_risk_layld yld hfs corr 5-5-18.sas

Estimates AES models by zone, estimates risk models and creates figures.

kenya_ae_layld yld hfs reg full pan 4-20-18.sas

Estimates AES models by zone, creates figures, estimates regressions of hybrid returns on distance and other covariates.