

Crime Victimization and Political Participation (Replication Documentation)

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Replication documentation by Blair Read²

The following replication material is available at <http://www.reginabateson.com/>. The majority of the analysis was conducted in Stata; matching analysis was conducted in R. To reproduce the findings in the article, you will need the following three code files.

- `Bateson-APSR_MASTER_REPLICATION`: Do-file containing the replication instructions for cleaning the data and the instructions for the main OLS results contained in the analysis of the article.
- `Bateson-APSR_ROBUSTNESS_CHECKS`: Do-file containing the replication data for the robustness checks referenced to and contained in the APSR article.
- `Robust_Matching.R`: R Script containing the R code for matching as a pre-processing method.

The major analysis is documented in two first two replication files. The first file, `Replication_CrimeVictimization.do`, contains the main analysis from the paper, and the replication of the data cleaning process. In addition to replicating the basic descriptive statistic table found on p. 574 of the original article and p. 13 of the corresponding appendix, it replicates the OLS regression outputs analyzed in the APSR article. To replicate the analysis, first download the Barometer data sets from their websites and save them to your working directory. Then, run the do-file, beginning with the `Replication_CrimeVictimization.do` file before running `robust_CrimeVictimization.do`.

The main replication file contains five sections, one for each dataset. In each section, the first portion contains directions for cleaning and coding the datasets, before giving instructions for the main regressions, discussed on pages 574 and 575 of the APSR article. The robust do file contains the robust checks discussed beginning on page 575 of the APSR article. These include the Maximum Likelihood Estimates regressions, checks for reverse causation, and regressions run with varying IV checks, socioeconomic checks, demographic checks, and local crime rate checks. The robustness file also contains the calculations necessary to replicate the first differences values of the ordered and probit regression analyses that are necessary to reproduce Figure 1 (576).³

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³The figure itself was created by hand using Illustrator, so there is no replication code for the graph. Please contact Regina Bateson (bateson@mit.edu) directly for details of the construction of Figure 1.

Data Sources

The survey data used in this article is public and can be obtained directly from the AmericasBarometer/LAPOP, Latinobarometro, Afrobarometer, Asian Barometer, and Eurobarometer. Some data may require permission to use, which can be found on the websites linked above.

The AmericaBarometer/LAPOP dataset, and the Latinobarometro dataset use the data from 2010 for Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, the Dominican Republic, Ecuador, El Salvador, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Suriname, Trinidad and Tobago, Uruguay, and Venezuela. In North America, it uses data from the United States and Canada in 2010. The data from North America, and South and Central America is cleaned and analyzed in two separate processes because the data for the US and Canada is collected in a different manner from the Latin American/Caribbean data.

The Afrobarometer dataset uses data from Round 4 in Benin, Botswana, Burkina Faso, Cape Verde, Ghana, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mozambique, Namibia, Nigeria, Senegal, South Africa, Tanzania, Uganda, Zambia, and Zimbabwe.

The Eurobarometer data comes from Eurobarometer 54.1 in 2000, using data from Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, and the United Kingdom.

Finally, the Asian Barometer survey data comes from Wave II, conducted from 2006 to 2008, and features data from Cambodia, China, Hong Kong, Indonesia, Japan, Malaysia, Mongolia, the Philippines, Singapore, South Korea, Taiwan, Thailand, and Vietnam.