Replication Guide for
Partisan Presidential Influence over U.S. Federal Budgetary Outcomes:
Evidence from a Stochastic Decomposition of Executive Budget Proposal
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The following information is provided to allow replication of the findings in the paper "Partisan Presidential Influence over U.S. Federal Budgetary Outcomes: Evidence from a Stochastic Decomposition of Executive Budget Proposals". All the materials necessary to fully recreate the results are provided, including the original dataset, the statistical instructions, and the resulting (modified) datasets. If you find any discrepancies or errors, please contact the authors.

All statistical analyses for this project were conducted in the Stata version 12. This replication guide is intended as a walk-through of the process undertaken to reach the results reported in the paper "*Partisan Presidential Influence over U.S. Federal Budgetary Outcomes: Evidence from a Stochastic Decomposition of Executive Budget Proposals*" and the supporting materials contained in the manuscript and Supporting Information documents.

Running the .do file requires that the dataset be located in the same folder. No non-standard Stata packages are used, so there is no need for software beyond the basic Stata package. However, this analysis does run the bootstrapping procedure for 10,000 computable iterations, and does so for multiple models. The time required to run the entire file varies widely depending on the system on which it is run. Multiple-hour runtimes on slower machines should be expected.

Finally, the estimates from the alternative specifications are cumulative. That is, the estimates generated at each step are carried into the later models (see manuscript and SI documents for details). Therefore, each *.do file is self-contained in so far as they produce all the conditional estimates needed for the later analysis. Always run the code in each .do file using *only the code from earlier in the same .do file*. Mixing commands from each file may (and almost certainly will) produce incorrect results.

All analysis was conducted in Stata version 12. All databases that include "allvars.dta" (i.e., post-estimation datasets) include the various variables created from within the corresponding Stata program file (*.do) and output file (*.smcl). ***Unrestricted*** refers to two-way fixed effects in the EIP first-stage regressions; ***Restricted*** refers to one-way fixed effects in the EIP (externally-induced budgetary preference) first-stage regressions which all subsequent analyses is based upon. ***Reported*** refers to the statistical models and corresponding results based on statistical models appearing throughout the manuscript (including the basis for the congressional appropriations growth regressions assessing presidential budgetary influence) and ***Alternative*** refers to statistical models and corresponding results based on statistical results that are not used to assess

presidential budgetary influence in the manuscript, but analyzed in the **Supporting Information** document. The replication materials contain the following files:

Filename	Description
"policy priorities.02-01-12.dta"	**Initial 'root' baseline dataset from which various statistical procedures denoted in subsequent files below were implemented.**
"policy priorities.unrestricted reported EIP models.01-24-13.allvars.updated.dta	Post-estimation (***and updated***) dataset produced based on reported EIP models used throughout the manuscript – accounting for analysis of IV type diagnostics.
"policy priorities.unrestricted reported EIP models.10-12-13.allvars.updated.dta"	Post-estimation (***and updated***) dataset produced based on reported EIP models used throughout the manuscript.
"policy priorities.restricted EIP models.01-10-13.allvars.updated data.dta"	Post-estimation dataset produced as a robustness check involving ***restricted reported*** estimation of the first-stage EIP regressions.
"policy priorities.restricted EIP models.01-10-13.do"	Stata program file containing ***restricted reported*** estimation of the first-stage EIP regressions.
"policy priorities.restricted EIP models.01-10-13.smcl"	
"policy priorities.unrestricted reported EIP models.01-10-13.allvars.updated data.dta"	Post-estimation dataset produced as a robustness check involving ***restricted reported*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted reported EIP models.01-10-13.do"	Stata program file containing ***unrestricted reported*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted reported EIP models.01-10-13.smcl"	
"policy priorities.restricted alternative EIP models.01-09-13.allvars.updated data.dta"	Post-estimation dataset produced as a robustness check involving ***restricted alternative*** estimation of the first-stage EIP regressions.

"policy priorities.restricted alternative EIP models.01-09-13.do"	Stata program file containing complete statistical analysis based on ***restricted alternative*** estimation of the first-stage EIP regressions.
"policy priorities.restricted alternative EIP models.01-09-13.smcl"	Stata output file containing complete statistical results based on ***restricted alternative*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted alternative EIP models.01-09-13.allvars.updated data.dta"	Post-estimation dataset produced as a robustness check involving ***unrestricted alternative*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted alternative EIP models.01-09-13.do"	Stata program file containing complete statistical analysis based on ***unrestricted alternative*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted alternative EIP models.01-09-13.smcl"	Stata output file containing complete statistical results based on ***unrestricted alternative*** estimation of the first-stage EIP regressions.
"policy priorities.restricted reported EIP models.POOLED OLS.07-15-2013.allvars.dta"	Post-estimation dataset produced as a robustness check involving ***restricted reported pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted alternative EIP models.POOLED OLS.07-15-2013.allvars.dta"	Post-estimation dataset produced as a robustness check involving ***unrestricted alternative pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.restricted reported EIP models.POOLED OLS.07-15-2013.do"	Stata program file containing complete statistical analysis based on ***restricted pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted alternative EIP models.POOLED OLS.07-15-2013.do"	Stata program file containing complete statistical analysis based on ***unrestricted alternative pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted reported models.pooled ols SCP model.07-15-2013.do"	Stata program file containing complete statistical analysis based on ***unrestricted reported pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.restricted alternative pooled ols SCP model.07-15-2013.do"	Stata program file containing complete statistical analysis based on ***restricted alternative pooled OLS*** estimation of the first-stage EIP regressions.

"policy priorities.restricted reported EIP models.POOLED OLS.07-15-2013.smcl"	Stata output file containing complete statistical results based on ***restricted reported pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted reported models.pooled ols SCP model.07-15-2013.smcl	Stata output file containing complete statistical results based on ***unrestricted reported pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.restricted alternative EIP models.POOLED OLS.07-15-2013.smcl"	Stata output file containing complete statistical results based on ***restricted alternative pooled OLS*** estimation of the first-stage EIP regressions.
"Policy Priorities.unrestricted reported EIP models.Lincom Tests for Figures 1-3 Assessing Presidential Budgetary Influence.10-14-2013.smcl"	Stata output file containing complete statistical results based on ***unrestricted reported pooled OLS*** estimation of the first-stage EIP regressions.
"policy priorities.unrestricted reported EIP mnodels.01-25-2013.diagnostic output for IV-type models.do"	Stata program file containing statistical output for IV-type analyses noted in the manuscript and SI documents.
"Partisan Policy Priorities.Ramsey RESET Functional Form specification Tests.1st Stage Regressions.12-27-12.smcl"	Stata output file containing the results from Ramsey RESET tests of the EIP first-stage regressions discussed in both the manuscript and SI documents.
"Raw Descriptives.Table SA-1.0209-12.smcl	Descriptive statistics for the variables and data used in the study appearing in SI document (Table SI-1)
"Partisan Presidential Influence Replication Guide.01-07-2014.Political Science Research and Methods.pdf"	Document on information to assist in replication and understanding the various Stata data, program, and output files performed for the analysis contained in both the manuscript and SI document.
"Partisan Presidential Influence Data & Variable Codebook.01-07-2014.Political Science Research and Methods.pdf"	Codebook for all variables included in the primary dataset. Microsoft Word format.