

Replication Files for Hollyer, Rosendorff & Vreeland, *Why do Autocrats Disclose? Economic Transparency and Inter-Elite Politics in the Shadow of Mass Unrest*

This folder contains a complete set of replication files for Hollyer, Rosendorff & Vreeland, *Why do Autocrats Disclose?*. Below, we document the files contained in this folder and their purpose.

Please note that all MCMC estimates are derived without setting a randomization seed. Results from replicating these estimates may vary slightly from published values.

Stata Executable (.do) Files

- **CoupModels1.do** – This file contains the code that executes the main survival analyses of the hazard of leader removal via coup in the text. The coefficient estimates from these models are reported in Tables 1 and 2 of the text. (The code also generates these tables.) This file also generates Figure 2 in the text.
- **CoupModels2.do** – This file contains the code that executes the survival analyses in Section 5.1.1, “Transparency and Economic Performance” in the text. The coefficient estimates from these models are reported in Tables 3 and 4 in the text. (The code also generates these tables.)

R Executable (.R) Files

- **WhyTransMultilevelGWF.r** – This file contains the code that executes the hierarchical linear models reported in Table 5 in the text. To do so, it calls on a series of JAGS files, which specify the empirical models used, namely: WhyTransMultilevelGWFDData.txt, WhyTransMultilevelParsimoniousGWFDData.txt, and WhyTransMultilevelVeryParsimoniousGWFDData.txt. Note that we do not set a randomization seed for the MCMC algorithm, so replications of the published result will incorporate some random error.
- **WhyTransGWFTable.R** – This file contains the code that generates Table 5 in the text. It does so by loading the results contained in WhyTransMultilevelGWF.RData, which, in turn, is generated by WhyTransMultilevelGWF.r.
- **WhyTransMultilevelDD.r** – This file contains the code that executes the hierarchical linear models reported in Table 6 in the text. To do so, it calls on a series of JAGS files, which specify the empirical models used, namely: WhyTransMultilevelDDData.txt, WhyTransMultilevelParsimoniousDDData.txt, and WhyTransMultilevelVeryParsimoniousDDData.txt. Note that we do not set a randomization

seed for the MCMC algorithm, so replications of the published result will incorporate some random error.

- **WhyTransDDTable.R** – This file contains the code that generates Table 5 in the text. It does so by loading the results contained in `WhyTransMultilevelDD.RData`, which, in turn, is generated by `WhyTransMultilevelDD.r`.
- **NewLeaderMargEffect.r** – This file generates Figure 3 in the text. It does so by relying on the results stored in `WhyTransMultilevelDD.RData` and `WhyTransMultilevelGWF.RData`. These, in turn, are generated by `WhyTransMultilevelGWF.r` and `WhyTransMultilevelDD.r`.

JAGS (.txt) Files

- **WhyTransMultilevelGWFFData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 5 column 1.
- **WhyTransMultilevelParsimoniousGWFFData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 5 column 2.
- **WhyTransMultilevelVeryParsimoniousGWFFData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 5 column 3.
- **WhyTransMultilevelDDDData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 6 column 1.
- **WhyTransMultilevelParsimoniousDDDData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 6 column 2.
- **WhyTransMultilevelVeryParsimoniousDDDData.txt** – JAGS file specifying the hierarchical model whose coefficients are reported in Table 6 column 3.

Stata Data (.dta) Files

- **CoupLeaderRemoval.dta** – Data used in the survival analysis of leader removal via coups.
- **GWFTscs.dta** – GWF data on institutions, over time. Merged with `CoupLeaderRemoval.dta` in analysis of leader survival.
- **AutocRegimeCharacteristicsGWF.dta** – Regime-level cross-sectional data used in upper-level of the hierarchy in models reported in Table 5 in the text.

- **AutocRegimeCharacteristicsDD.dta** – Regime-level cross-sectional data used in upper-level of the hierarchy in models reported in Table 6 in the text.
- **WhyAutocraticTransparencyDataGWFIInst.dta** – Time-varying data used in lower-level of the hierarchy in models reported in Table 5 of the text.
- **WhyAutocraticTransparencyData2.dta** – Time-varying data used in lower-level of the hierarchy in models reported in Table 6 of the text.

R Data (.RData) Files

- **WhyTransMultilevelGWF.RData** – Results from the hierarchical regressions run by WhyTransMultilevelGWF.r (as well as the data used in these regressions). These are reported in Table 5 of the text. Note that the currently stored results are those reported in the paper. Running WhyTransMultilevelGWF.r will overwrite this file.
- **WhyTransMultilevelDD.RData** – Results from the hierarchical regressions run by WhyTransMultilevelDD.r (as well as the data used in these regressions). These are reported in Table 6 of the text. Note that the currently stored results are those reported in the paper. Running WhyTransMultilevelDD.r will overwrite this file.

PDF Files

The two pdf files – NewLeaderDDDData.pdf and NewLeaderGWFDData.pdf – constitute the two panels of Figure 3 from the text.

T_EX Files

The two T_EX files – DisclosureGWFTable.tex and DisclosureDDTable.tex – correspond to Tables 5 and 6 in the text.