Replication Material "Weighting Parties and Coalitions: How Coalition Signals Influence Voting Behavior"

This document describes the files and procedures to replicate the results of the article "Weighting Parties and Coalitions: How Coalition Signals Influence Voting Behavior". It is organized in three sections. The section "data preparation" describes the files to create data-sets used in the final analysis. The section "models" describes the code used to sample from the posterior distributions. The section "tables and graphs"discusses files to re-produce the figures and tables of the main text, as well as those of the appendix.

Data preparation

Austrian Election Study

The original dataset is in in stata format (Oesterreich.dta). A codebook (in german) can also be found (Codebuch-Osterreich.doc). *data_oest.R* recodes variables of the original data-set. The output is saved in *oest.Rdata* and *oest_long.Rdata*.

German Longitudinal Election Study

The original dataset is in stata format (gles.dta). A codebook (in german) can also be found in the folder (CZA5337_fb_v3-0-0.pdf). *data_gles.R* recodes the original data-set. The output is saved in *gles.Rdata*.

Models

Austrian Election Study

Model_oest.R contains the code to sample from the posterior distribution for the four vignette models. It relies on four further files. *Model_Data_oest.R* contains functions that create a vignette specific data-set (from *oest_long.Rdata*) that can be directly passed on to the sampler function *Sampler_bayesianmodel.R*. The sampler relies on JAGS to sample from the posterior distribution. The JAGS code can be found in Model_oest.bug (in the case of an existing coalition rating); and Model_oest2.bug (for the SPO - FPO vignette with no coalition rating). The results are saved in *models_oest_rat.Rdata*.

German Longitudinal Election Study

Model_gles.R contains the code to sample from the posterior distribution for the four vignettes. It relies on three further files. *Model_Data_gles.R* contains functions that create a vignette specific data-set (from *gles.Rdata*). *Model_gles.R* does not rely on *Sampler_bayesianmodel.R*. The sampler relies on JAGS to sample from the posterior distribution. The JAGS code can be found in Model_gles.bug (in the case of three party-coalitions); and Model_oest2.bug (in the case of four party-coalitions). The results are saved in *models_gles_rat.Rdata*.

Graphs and Tables

Austrian Election Study

Results_oest.R contains code to create figure 2; figure 3 (main text) and figure 5 (appendix). The figures are saved as pdfs: Oest-plot-joint.pdf; Sim-plot.pdf and Sim-plot3.pdf.

Tabelles_oest.Rnw is a knitr file that creates the latex tables found in the appendix A (Tables for Austrian Election Study). the Latex code is saved in *Tabelles_oest.tex*. To execucte, run *require(knitr);knit("Tabelles_oest.Rnw")* from the R-console.

German Long Election Study

Results_gles.R contains code to create figure 4 (main text). The figure is saved as a pdf: Gles-plot-joint.pdf.

Tabelles_gles.Rnw is a knitr file that creates the latex tables found in the appendix C (Tables for German Longnitudal Election Study). the Latex code is saved in *Tabelles_gles.tex*. To execucte, run *require(knitr);knit("Tabelles_gles.Rnw")* from the R-console.