Replication Instructions for: Measuring portfolio salience using the Bradley-Terry model: An illustration with data from Brazil

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This repository contains data and code to replicate the main results in the paper and in the supplemental information. The replication materials include four data files and one file with R code, as follows:

1. `data-bls.RData`: File containing the data from the legislative survey. The file contains a list named `the.set`, composed of three data frames, as follows:
   - `the.set`: 560 observations of pairwise comparisons. Variable `X1` and `X2` are the codes for the two cabinet positions being compared, `ref` is the code for the respondent that made the comparison, and `winX1` and `winX2` are logical variables that indicate which position "won" the comparison.
   - `cabnames`: 37 observations with (Portuguese) names and some characteristics of the ministerial positions
   - `resp`: 140 observations with minimal information on the survey participants that made the comparisons.
2. `data-abcp.RData`: File containing the data from the expert survey. The structure of this file is identical to the previous one.
3. `tab-ministries-translations.csv`: File containing the English names of the cabinet positions.
4. `data-objective.RData`: File containing 37 observations of objective indicators of the ministerial positions (similar to `the.set$cabnames`.
5. `replic.R`: Script with R code to read and analyze the data and produce the output in the paper.

In order to replicate results and produce the output, simple place all files in the same local folder and change the path of all `setwd()` commands to reflect your local path. If necessary, install `BradleyTerry2`, `xtable`, `mvtnorm`, and `plyr` and then execute the script.