What makes experts reliable?
Replication ReadMe

July 13, 2019

The replication materials for "What makes experts reliable?" include 51 files in addition to the ReadMe. The file **beta.stan** is the Stan file for running the latent variable analyses, **demographic_data.R** (and **demographic_data2.R**) provides code for converting demographic data into variables, and **rap_em.pdf** is the explanatory memo. The remaining 40 files are the five replication files for for each of the eight variables discussed in the text (v2meharjrn, v2cldiscw, v2dlreason, v2svdomaut and v2psoppaut; and v2dlcommon and v2dlunivl from the appendix) and seven log files.[1] The five files for each variable are essentially identical, and are as follows:

_replication.R : Replication file. Contains code for creating coder-level coding characteristic variables, estimating latent variable model, estimating bootstrap regression models, and creating all figures and tables. Note that the replication files for v2dlreason, v2dlunivl and v2dlcommon slightly diverge from those of the other variables in that they do not include a variable for historical coders, who do not code these variables.

_replication.RData : Replication data in form of list. List items include coder-level variables and posterior reliability estimates and bootstrapped coefficient and r^2 estimates.

.rds : Reduced[2] coder-level data for estimating latent variable models and creating some coder-level coding characteristic variables.

_raw.rds : Non-reduced coder-level data for creating some coder-level coding characteristic variables.

10000.vp.RData : Latent variable model posterior data.

To replicate the graphics and table in the text, simply run the replication R file. To replicate bootstrap or latent variable analyses, unhash the relevant section. Note that we do not include the file *expds.RData* (or *expds*2.*RData* for v2dlcommon and v2dlunivl) in the replication materials, and all code regarding this file has been hashed out in the replication

[1] We also include log files for seven of the eight latent variable models (the file for v2cldiscw was accidentally deleted), these files are titled using the structure slurm-xxxxxxx.out.

[2] V–Dem country-year data are reduced to regimes, or country periods in which no experts changed their coding or self-reported confidence.

R file.[3] See the explanatory memo for an explanation and details as to how to access these data.

[3]We use the file **demographic_data.R** to create the file **expds.RData** from the coder-level data from the original dataset, though we do not provide the demographic data necessary to run this file.