"README" Document

"Loyalty-Competence Tradeoffs for Top U.S. Federal Bureaucratic Leaders in the Administrative Presidency Era"

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The various replication file materials for this article are under the master folder title of "*Loyalty-Competence Tradeoffs for Top U.S. Federal Bureaucratic Leaders in the Administrative Presidency Era* File Replication Materials". This folder contains this "README" document, plus two separate subfolders that cover the data & statistical analysis covered in both the article manuscript and Supporting Information (SI) documents ("*Manuscript & SI Document Replication File Materials*"), and also the data * statistical analysis covered in the construction of the agent latent trait estimated measures discussed in the Measurement Model Appendix (MMA) document ("*Measurement Model Appendix Replication File Materials*"). Please note that some of these materials already appear in public domain through the *American Journal of Political Science* Harvard Dataverse:
(https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/E9UQ0S)

I. Preliminary Files

- ***READ-ME File. Loyalty-Competence Tradeoffs 2019.*** This document provides some background on the various files included in these data replication materials. ***("Loyalty-Competence Tradeoffs.PSQ.README.12-20-2018.docx")***

- ***Loyalty-Competence Tradeoffs 2019 PSQ Codebook***. Contains the requisite data Data/variable codebook for the core Stata database file ("***Loyalty-Competence Tradeoffs.Data Codebook.PSQ Article.12-20-2018.pdf***").

- ***"Appointments" 2016 AJPS Codebook.*** Data/variable codebook for the core Stata database file ("***Appointments.AJPS.Manuscript & SI Documents.Stata Variable Codebook.05-30-2015.pdf***"). Especially helpful for additional variable definition content.

II. Manuscript Folder

- ***Individual-Level Appointee Loyalty-Competence Tradeoff Stata Database.*** This is the main database used to conduct statistical analysis appearing in the article. ***("Measurement Database.Bayesian GLTA MODEL 23FBIT.05-30-2015.manifest indicator variables added.03-20-2016.10-20-2017.holdovers var added.V2.dta")***

- ***Stata Program (*.do) & Output (*.smcl) Files for Statistical Analysis Appearing in both Table 1 and Figure 1.***

  - ***Loyalty-Competence Tradeoffs.TABLE 1 & FIGURE 1 STATISTICS.09-23-2018.do***
  - ***Loyalty-Competence Tradeoffs.TABLE 1 & FIGURE 1 STATISTICS.09-23-2018.smcl***

- ***Grouped Mean Loyalty-Competence Tradeoff Database***. This database is used to construct Figures 1A-1D appearing in the article.

  - ***Stata Graphics Files for Figure 1 (Figures 1A-1D)***

    - ***FIGURE 1A.Organizational Position.09-12-2018.gph***
    - ***FIGURE 1B.Agency Design.09-12-2018.gph***
    - ***FIGURE 1C.President-Agency Ideological Configuration.09-12-2018.gph***
    - ***FIGURE 1D.President-Senate Partisan Control.12-19-2018.gph***

III. Supporting Information Folder

- **Bonica Matched Comparison Analysis**

  - **Stata Database *("Measurement Database.Bayesian GLTA MODEL 23FBIT.05-30-2015.Bonica Comparison Database.03-21-2016.STATISTICAL ANALYSIS.FINAL.dta")***

  - **Stata Program File (*"Statistical Analysis of Comparing Bonica Matched Observations.03-22-2016.TABLE 3.Measurement Manuscript.do")***

  - **Stata Output File *("STATISTICAL ANALYSIS OF COMPARING BONICA MATCHED OBSERVATIONS.03-22-2016.Table 3.Measurement Manuscript.smcl")***

III.A MEASUREMENT MODEL APPENDIX REPLICATION FILE MATERIALS

Data Files: Containing three data files: (1) the core database used for all of the Mplus analysis (NOTE: requires ***"apptbiodata.01-03-2015.csv***" comma delimited format); (2) an EXCEL spreadsheet ("***GLTA Measurement Model.Validity & Reliability Statistics.01-04-2015.REVISED VERSION.xlsx***") containing the computation of the model diagnostics for the alternative measurement models estimated and appearing in the ***Measurement Model Appendix*** (***MMA***) document; and (3) a Stata ("***alternative latent trait estimates.correlation analysis.01-05-2015.dta***") data file containing Bayesian Posterior summary statistic estimates from alternative measurement models estimated and appearing in the ***Measurement Model Appendix*** (***MMA***) document.

Data/Variable Codebook: Data/variable codebook for the core Mplus database file ("***Appointments.AJPS.MMA.Variable Codebook for Mplus.06-01-2015.pdf***"); (2) document describing the computation of the model diagnostic statistics ("***Appointments.AJPS.MMA.Computation of Model Diagnostic Statistics for Measurement Models.06-01-2015.pdf***") covered in the EXCEL spreadsheet ("***GLTA Measurement Model.Validity & Reliability Statistics.01-04-2015.REVISED VERSION.xlsx***") and also covered in the ***Measurement Model Appendix*** (***MMA***) document; and (3) a comparison of the Bayesian posterior summary statistics across different measurement model specifications covered in the ***Measurement Model Appendix*** (***MMA***) document ("***Appointments.AJPS.MMA.Correlation Analysis of Alternative Latent Trait Estimates.06-02-2015.pdf***").

III.A.1 Mplus Program Files Subfolder: Containing the requisite Mplus statistical program code from the analysis conducted in the ***Measurement Model Appendix*** (***MMA***). There are 6 separate Mplus statistical output "****.inp***" files *("22", "23"[REPORTED], "24", "33", "43", & "mlr 23"*) each titled corresponding to the model specification, estimation procedure, or type of measurement analysis – and to the Mplus output ("****.out***") files contained in its own subfolder (*SEE BELOW*).

III.A.2 Mplus Output Files Subfolder: Containing the requisite Mplus statistical output from the analysis conducted in the ***Measurement Model Appendix*** (***MMA***). There are 6 separate Mplus statistical output "****.out***" files files *("22", "23" [REPORTED], "24", "33", "43", & "mlr 23"*), each titled corresponding to the model specification, estimation procedure, or type of measurement analysis.

III.A.3 Mplus Bayesian Posterior Summary Statistics Files Subfolder: Containing 5 sets of summary statistic files based on the Bayesian posterior estimates (2 files per set: one in "****.dat***" Mplus format without labels for agent latent trait estimates and corresponding ones saved in "****.xlsx***" EXCEL format containing variable labels for agent latent trait estimates used in this study). These constitute the Bayesian Posterior summary statistics for the various measurement model specifications (*"22", "23" [REPORTED], "24", "33", "43"*) discussed in the ***Measurement Model Appendix*** (***MMA***).