This file contains information about the replication materials for the paper “Leader Hawkishness, Political Survival, and Interstate Crises” by Jeff Carter.
Please contact me at jtc475@gmail.com if you have any questions about the paper or replication materials.

Machine, Operating System, and Statistical Programs

All analyses were conducted on a MacBook Pro with a 2.6GHz 6-core Intel Core i7 processor running macOS Big Sur(version 11.7.1).
I used Stata 14 to estimate the statistical models reported in the manuscript and appendix.
I used R (version 4.2.0 (2022-04-22) -- "Vigorous Calisthenics”) on an x86_64-apple-darwin17.0 (64-bit) platform via RStudio (2022.07.1, Build 554) for data management and to create results tables and figures.

Replication Directory

In addition to this file and the pdf version of this file, the replication materials consist of two primary folders that contain a set of files and/or subfolders: Data and Analysis.

Data

The Data folder contains five files and one subfolder (BaseData) that includes the existing data sets used to create the data sets used in the analyses of this paper.

Files

Codebook.pdf: Codebook for data sets.
ReplicationCreatingLeaderYearDataSet.R: code that takes base data sets and converts them to the LeaderYearData.dta data set used in this paper.
LeaderLevelCrocoWeeksHawk.dta: Leader-level data set used for analyses reported in Table 1 and Figure 6 of main manuscript. Created by ReplicationImplicationsModels.do file in the “Implications” folder. LeaderYearData.dta: Leader-year data set used to perform most analyses of this paper. Created by ReplicationCreatingLeaderYearDataSet.R in this folder.
LeaderYearDataMainPredictedValues.dta: LeaderYearData.dta with predicted values generated from ReplicationMainModel.do and used in leader transition analysis reported in Section 5 of the paper.

Subfolder

BaseData
CarterSmithThetas.csv: leader-level, summary measures of leader hawkishness that contain leader IDs from Carter and Smith (2020).
CrocoWeeks.dta: leader-year data set from Croco and Weeks, which contains variables used in analyses reported in Table 1 and Figure 6.
DebsGoemans.dta: leader-year data set from Debs and Goemans that serves as basis for LeaderYearData.dta and most analyses in paper.
stanmodel2fit.RDS: Model 2 from Carter and Smith (2020), which serves as measure of

leader hawkishness used in paper.

Analysis

The Analysis folder contains two files and nine subfolders. The contents of each of the subfolders are described below.

Files

Appendix: appendix that includes results tables and figures discussed but not presented in the main manuscript.
ReplicationManuscriptFigures.R: code that will reproduce all of the figures included in the main manuscript.

Subfolders

AdditionalControls
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
FailPosterior.dta: coefficient estimates from reduced-form model of leader removal from each Monte Carlo run.
InitiatorPosterior.dta: coefficient estimates from reduced-form model of crisis initiation from each Monte Carlo run.
LeaderYearDataAdditionalControlsPredictedValues.dta: leader-year data set that includes predicted values from ReplicationAdditionalControlsModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationAdditionalControlsExtractingMCResults.R: code to create results tables from Monte Carlo results stored in FailPosterior.dta, InitiatorPosterior.dta, and SimultaneousPosterior.dta.
ReplicationAdditionalControlsFigures.R: code to create figures of predicted probabilities.
ReplicationAdditionalControlsModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates FailPosterior.dta, InitiatorPosterior.dta, SimultaneousPosterior.dta, and LeaderYearDataAdditionalControlsPredictedValues.dta files.
ReplicationAdditionalControlsModel.log: log file for ReplicationAdditionalControlsModel.do.
SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

AltHawk
ReplicationAltHawkAdditionalControlsFigures.R: code that uses LeaderYearDataAdditionalControlsPredictedValues.dta to create figures of predicted probabilities with alternative classification of hawks and doves.
ReplicationAltHawkDemFigures.R: code that uses LeaderYearDataDemPredictedValues.dta to create figures of predicted probabilities with alternative classification of hawks and doves.
ReplicationAltHawkMainFigures.R: code that uses LeaderYearDataMainPredictedValues.dta to create figures of predicted probabilities with alternative classification of hawks and doves.

ReplicationAltHawkNoHawkFigures.R: that uses LeaderYearDataNoHawkPredictedValues.dta code to create figures of predicted probabilities with alternative classification of hawks and doves.
ReplicationAltHawkNonDemFigures.R: code that uses LeaderYearDataNonDemPredictedValues.dta to create figures of predicted probabilities with alternative classification of hawks and doves.
ReplicationAltHawkRedundantFigures.R: code that uses LeaderYearDataRedundantPredictedValues.dta to create figures of predicted probabilities with alternative classification of hawks and doves.

Dem
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
FailPosterior.dta: coefficient estimates from reduced-form model of leader removal from each Monte Carlo run.
InitiatorPosterior.dta: coefficient estimates from reduced-form model of crisis initiation from each Monte Carlo run.
LeaderYearDataDemPredictedValues.dta: leader-year data set that includes predicted values from ReplicationDemModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationDemExtractingMCResults.R: code to create results tables from Monte Carlo results stored in FailPosterior.dta, InitiatorPosterior.dta, and SimultaneousPosterior.dta.
ReplicationDemFigures.R: code to create figures of predicted probabilities.
ReplicationDemModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates FailPosterior.dta, InitiatorPosterior.dta, SimultaneousPosterior.dta, and LeaderYearDataDemPredictedValues.dta files.
ReplicationDemModel.log: log file for ReplicationDemModel.do.
SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

Implications
ReplicationImplicationsModels.do: code that estimates models reported in Table 1 of main manuscript and creates . LeaderLevelCrocoWeeksHawk.dta.
ReplicationImplicationsModels.log: log file for ReplicationImplicationsModels.do.

Main
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
FailPosterior.dta: coefficient estimates from reduced-form model of leader removal from each Monte Carlo run.
InitiatorPosterior.dta: coefficient estimates from reduced-form model of crisis initiation from each Monte Carlo run.
LeaderYearDataMainPredictedValues.dta: leader-year data set that includes predicted values from ReplicationMainModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationMainExtractingMCResults.R: code to create results tables from Monte Carlo results stored in FailPosterior.dta, InitiatorPosterior.dta, and SimultaneousPosterior.dta.

ReplicationMainFigures.R: code to create figures of predicted probabilities.
ReplicationMainModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates FailPosterior.dta, InitiatorPosterior.dta, SimultaneousPosterior.dta, and LeaderYearDataMainPredictedValues.dta files.
ReplicationMainModel.log: log file for ReplicationMainModel.do.
SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

NoHawk
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
LeaderYearDataNoHawkPredictedValues.dta: leader-year data set that includes predicted values from ReplicationNoHawkModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationNoHawkExtractingMCResults.R: code to create results table from Monte Carlo results stored in SimultaneousPosterior.dta.
ReplicationNoHawkFigures.R: code to create figures of predicted probabilities.
ReplicationNoHawkModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates SimultaneousPosterior.dta and LeaderYearDataNoHawkPredictedValues.dta files.
ReplicationNoHawkModel.log: log file for ReplicationNoHawkModel.do.
ReplicationNoHawkReducedFormTable.do: code to create results table from reduced-form models of leader removal and crisis initiation.
ReplicationNoHawkReducedFormTable.log: log file for ReplicationNoHawkReducedFormTable.do.
SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

NonDem
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
FailPosterior.dta: coefficient estimates from reduced-form model of leader removal from each Monte Carlo run.
InitiatorPosterior.dta: coefficient estimates from reduced-form model of crisis initiation from each Monte Carlo run.
LeaderYearDataNonDemPredictedValues.dta: leader-year data set that includes predicted values from ReplicationNonDemModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationNonDemExtractingMCResults.R: code to create results tables from Monte Carlo results stored in FailPosterior.dta, InitiatorPosterior.dta, and SimultaneousPosterior.dta.
ReplicationNonDemFigures.R: code to create figures of predicted probabilities.
ReplicationNonDemModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates FailPosterior.dta, InitiatorPosterior.dta, SimultaneousPosterior.dta, and LeaderYearDataNonDemPredictedValues.dta files.
ReplicationNonDemModel.log: log file for ReplicationNonDemModel.do.

SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

Redundant
chi.dta: chi2 estimates from simultaneous equation model from each Monte Carlo run.
FailPosterior.dta: coefficient estimates from reduced-form model of leader removal from each Monte Carlo run.
InitiatorPosterior.dta: coefficient estimates from reduced-form model of crisis initiation from each Monte Carlo run.
LeaderYearDataRedundantPredictedValues.dta: leader-year data set that includes predicted values from ReplicationRedundantModel.do.
ll.dta: log-likelihood estimates from simultaneous equation model from each Monte Carlo run.
ReplicationRedundantExtractingMCResults.R: code to create results tables from Monte Carlo results stored in FailPosterior.dta, InitiatorPosterior.dta, and SimultaneousPosterior.dta.
ReplicationRedundantFigures.R: code to create figures of predicted probabilities.
ReplicationRedundantModel.do: code that estimates reduced-form and simultaneous equation models via Monte Carlo process and creates FailPosterior.dta, InitiatorPosterior.dta, SimultaneousPosterior.dta, and LeaderYearDataRedundantPredictedValues.dta files.
ReplicationRedundantModel.log: log file for ReplicationRedundantModel.do.
SimultaneousPosterior.dta: coefficient estimates from simultaneous equation model of leader removal and crisis initiation from each Monte Carlo run.

Transitions
chi.dta: chi2 estimates from model estimated in ReplicationTransitionsModel.do from each Monte Carlo run.
LeaderYearDataTransitionsPredictedValues.dta: leader-year data set that includes predicted values from ReplicationTransitionsModel.do.
ll.dta: log-likelihood estimates from model estimated in ReplicationTransitionsModel.do from each Monte Carlo run.
MoreHawkPosterior.dta: coefficient estimates from model of whether leader transition produced more hawkish leader from each Monte Carlo run.
ReplicationTransitionsExtractingMCResults.R: code to create results tables from Monte Carlo results stored in and SimultaneousPosterior.dta.
ReplicationTransitionsFigures.R: code to create figures of predicted probabilities.
ReplicationTransitionsModel.do: code that estimates model of whether leader transitions produce more hawkish leaders via Monte Carlo process and creates MoreHawkPosterior.dta and LeaderYearDataTransitionsPredictedValues.dta files.
ReplicationTransitionsModel.log: log file for ReplicationTransitionsModel.do.