The Negotiation Calculus:
Why Parties to Civil Conflict Refuse to Talk

Data Codebook and Replication Notes

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This data codebook describes the replication package for "The Negotiation Calculus: Why Parties to Civil Conflict Refuse to Talk." Additional detail about the coding of variables and data sources is available in the article as well as the supplementary file.

Contents of replication package

R code to replicate the statistical results from the article is in the enclosed *NegotCalc_Replication.R* file. Analyses were conducted using R version 3.1.2. The analysis employs several R libraries; these and their version numbers are noted in the enclosed file.

The replication package includes an R data file, *NegotCalc_Replication.RData*, with the following data frames and lists:

`dat_orig`	Data on negotiation and opposition groups in the Middle East and North Africa, drawn largely from the Minorities at Risk Organizational Behavior (MAROB) dataset (Wilkenfeld, Asal, and Pate 2008).
`dat`	Five multiply imputed datasets created from *dat_orig* using Amelia II: A Program for Missing Data (Honaker, King, and Blackwell 2011).
`ucdp`	Data on global civil conflict drawn largely from the UCDP/Prio Armed Conflict Dataset (Uppsala Conflict Data Program 2014), the Non-State Actor Dataset (Cunningham, Gleditsch, and Salehyan 2013), and the Civil War Mediation Dataset (DeRouen, Bercovitch, and Pospieszna 2011).
`bootresults`	The results of a computationally intensive bootstrap procedure. Code to replicate these operations is included in the enclosed *R* file.
`predoutput`	The results of a computationally intensive analysis of out-of-sample predictive validity. Code to replicate these operations is included in the enclosed *R* file.

Contents of dat and dat_orig data frames

The *dat* and *dat_orig* data frames contain the variables described below. Unless otherwise noted, variables are drawn or derived from the MAROB dataset (Wilkenfeld, Asal, and Pate 2008). Each observation represents a government-opposition dyad year (a particular opposition group and state in a given year).

`ccode` Country code for the state in the dyad.

`country` Name of the state in the dyad.

`cumnegot` The cumulative number of negotiation years for the state.

`fract` A dichotomous variable that takes a value of 1 if the opposition has fractionalized, weak, or decentralized leadership, and 0 otherwise.

`guer` A dichotomous variable that takes on the value of 1 if the opposition group employs at least intermediate guerilla activity, and 0 otherwise.

`legal` A dichotomous variable that takes on the value of 1 if the opposition is a legal political group that is not repressed by the government, and 0 otherwise.

`legit2` A dichotomous variable that takes a value of 1 if the opposition group received political support from a foreign government or an international organization, and 0 otherwise.

`maropps` Number of minority groups in a given state and year, from the broader Minorities at Risk dataset (Minorities at Risk Project 2009).

`milwing` A dichotomous variable that takes on the value of 1 if the opposition group has a military wing, and 0 otherwise.

`negot` A dichotomous variable that takes on the value of 1 if there was negotiation in a given dyad-year, and 0 otherwise. A version of this variable lagged by one year (*negot_lag*) is also used.

`negset.pred` The predicted probability of settlement given negotiation, derived from a two stage model of settlement and negotiation. See article for more detail.

`negset.predmi` The predicted probability of settlement given negotiation, derived from a two stage model of settlement and negotiation, for multiply imputed data. See article for more detail.

nonnegotyrs	Count of the number of years since the last negotiation in the dyad. Squared (*nonnegotyrs2*) and cubed (*nonnegotyrs3*) terms are also used.
numopps	The number of opposition groups in a given state and year, from the MAROB data.
orgId	Identifier for the minority-representing group in the dyad.
orgname	Name of the minority-representing group in the dyad.
orgnegot	Count of the number of negotiations conducted by the opposition group in the dyad with states other than the state in the dyad in a given year. A version of this variable lagged by one year (*orgnegot_lag*) is also used.
ORGREB	A measure of the level of violence employed by the opposition group ranging from 0 (no violence) to 7 (civil war).
ORGSUCCESS	A measure of the degree to which the opposition group has succeeded in reaching an agreement with the government in a given year, ranging from -1 (government refuses to negotiate) to 4 (the government has previously conceded the opposition group's primary goal).
othnegot	Count of the number of negotiations occurring outside of the state in the given dyad in a given year. A version of this variable lagged by one year (*othnegot_lag*) is also used.
outsup	A dichotomous variable that takes on the value of 1 if the opposition group receives foreign or diaspora military support, but not political support.
outsup2	A dichotomous variable that takes a value of 1 if the opposition group received military support from a foreign state or from a diaspora community in a particular year, and 0 if it did not.
outsup2_nv	A dichotomous variable that takes a value of 1 if the opposition group received non-violent military support from a foreign state or from a diaspora community in a particular year, and 0 if it did not.
pa_year	A dichotomous variable set to 1 if the parties have a peace agreement in a given year, and 0 otherwise.
peaceyrs	Count of the number of years since the previous peace agreement in the dyad. The squared (*peaceyrs2*) and cubed (*peaceyrs3*) terms are also used.

`polity` The state's score on the polity2 measure of democracy, ranging from -10 (autocracy) to 10 (democracy), from the Polity IV project (Marshall, Jaggers, and Gurr 2010). The squared term (*politysquared*) is also used.

`postpa` A dichotomous variable set to 1 if there has been a previous peace agreement in the dyad.

`RELORG` A dichotomous variable that takes a value of 1 if the opposition group is a religious organization, and 0 otherwise.

`statenegot` Count of the number of negotiations conducted in a given year by the government in the dyad with opposition groups other than the one in the dyad.

`terrcont` A dichotomous variable coded as 1 if the opposition group controls movement in its territory, and as 0 if the group does not control territory.

`terrgoal` A dichotomous variable set to 1 if the opposition's goal is focused on creating a separate state, and 0 otherwise.

`vioyrs` Count of consecutive years in which the opposition group has been engaged in violence toward state authorities.

`year` Observation year.

`yearsest` Number of years since the opposition group was founded.

Contents of ucdp data frame

The *ucdp* data frame contains the variables described below. Variables marked "UCDP" are drawn or derived from the UCDP/Prio Armed Conflict Dataset (Uppsala Conflict Data Program 2014), variables marked "NSA" are drawn or derived from the Non-State Actor Dataset (Cunningham, Gleditsch, and Salehyan 2013), and variables marked "CWM" are drawn or derived from the Civil War Mediation Dataset (DeRouen, Bercovitch, and Pospieszna 2011). Each observation represents a government-opposition dyad year (a particular opposition group and state in a given year).

`anypolsup` A dichotomous variable set to 1 if the opposition group received non-military support in a given year from transnational actors or foreign governments, and 0 otherwise (NSA).

`anyrebmilsup` A dichotomous variable set to 1 if the opposition group received military support from transnational actors or a foreign government in a given year, and 0 otherwise (NSA).

`Basic.dyad.Id`	UCDP/Prio dyad identifier (UCDP).
`cinc`	Composite Index of National Capability measure for the state in the dyad in a given year, from the Correlates of War Project (Singer 1988).
`extraterritorial`	A dichotomous variable set to 1 when the conflict is fought outside the territory of the state in the dyad (NSA).
`highterrcont`	A dichotomous variable set to 1 when the opposition group exercises a high level of effective control over its territory (NSA).
`maropps`	Number of minority groups in a given state and year, from the broader Minorities at Risk dataset (Minorities at Risk Project 2009).
`med_all`	A dichotomous variable set to 1 when mediation of the conflict was offered or accepted in a given dyad-year (CWM).
`med_offer`	A dichotomous variable set to 1 when mediation of the conflict was offered, but not accepted, in a given dyad-year (CWM).
`modrebcap`	A dichotomous variable set to 1 when rebel fighting capacity compared to the government is coded as “moderate” or “high” (NSA).
`Name..conflict.`	Conflict name (UCDP).
`Negotiations..dyad.`	A dichotomous variable set to 1 if the dyad experienced a negotiation in a given year, and 0 otherwise (UCDP).
`nomed`	A dichotomous variable set to 1 when mediation of the conflict was not accepted in a given dyad-year (CWM).
`nonnegotyrs`	Count of the number of years since the last negotiation in the dyad. Squared (*nonnegotyrs2*) and cubed (*nonnegotyrs3*) terms are also used.
`prevactive`	A dichotomous variable set to 1 when the dyad was previously involved in a conflict (NSA).
`prevnegot`	A dichotomous variable set to 1 when the dyad previously experienced a negotiation (UCDP).
`realgdp`	The state’s real GDP in 2000 prices, from version 6.0 of Gleditsch’s expanded trade and GDP data (2002).

`side_a`	State in the dyad (NSA).
`side_b`	Opposition group in the dyad (NSA).
`Year..dyad.`	Observation year (UCDP).
`yearsest`	Number of years since the first stated goal of incompatibility or first use of armed force in the dyad, whichever is greater (UCDP).

References

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