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Supplementary Materials for Chapter 3, Part 1, v.2

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BIVARIATE CORRELATIONS: TEN YEAR TREATMENT EFFECTS (FIGURE 3.3)

```
tab cw1000on2014 abdfirctarg10, col chi2

cw1000on20 |     abdfirctarg10
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    14,819        971 |    15,790
           |     98.24      95.20 |     98.05
-----------+----------------------+----------
         1 |       265         49 |       314
           |      1.76       4.80 |      1.95
-----------+----------------------+----------
     Total |    15,084      1,020 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  46.3992   Pr = 0.000

tab cw1000on2014 abdleaderfirc10, col chi2

cw1000on20 |    abdleaderfirc10
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,282        508 |    15,790
           |     98.25      92.36 |     98.05
-----------+----------------------+----------
         1 |       272         42 |       314
           |      1.75       7.64 |      1.95
-----------+----------------------+----------
     Total |    15,554        550 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  96.3177   Pr = 0.000

tab cw1000on2014 abdinstfirc10, col chi2


cw1000on20 |     abdinstfirc10
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,630        160 |    15,790
           |     98.06      97.56 |     98.05
-----------+----------------------+----------
         1 |       310          4 |       314
           |      1.94       2.44 |      1.95
-----------+----------------------+----------
     Total |    15,940        164 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.2074   Pr = 0.649

tab cw1000on2014 abdrestleadfirc10, col chi2

cw1000on20 |   abdrestleadfirc10
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,487        303 |    15,790
           |     98.04      98.70 |     98.05
-----------+----------------------+----------
         1 |       310          4 |       314
           |      1.96       1.30 |      1.95
-----------+----------------------+----------
     Total |    15,797        307 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.6850   Pr = 0.408
```

```
ttest cw1000on2014, by(abdfirctarg10)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,084    .0175683    .0010697    .1313803    .0154715    .0196651
       1 |   1,020    .0480392    .0066992     .213954    .0348935    .0611849
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0304709    .0044672               -.0392271   -.0217148
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -6.8211
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

ttest cw1000on2014, by(abdleaderfirc10)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,554    .0174875    .0010511     .131083    .0154273    .0195477
       1 |     550    .0763636    .0113346    .2658208    .0540991    .0986282
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0588762    .0059815               -.0706006   -.0471517
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -9.8430
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

ttest cw1000on2014, by(abdinstfirc10)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,940    .0194479    .0010938    .1380974    .0173039    .0215919
       1 |     164    .0243902    .0120824    .1547299    .0005321    .0482484
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0049423    .0108529               -.0262153    .0163306
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.4554
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.3244         Pr(|T| > |t|) = 0.6488          Pr(T > t) = 0.6756
```

```
ttest cw1000on2014, by(abdrestleadfirc10)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,797     .019624    .0011036    .1387087    .0174608    .0217872
       1 |     307    .0130293    .0064826    .1135851    .0002731    .0257855
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |            .0065947     .007968               -.0090235    .0222129
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.8276
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.7961         Pr(|T| > |t|) = 0.4079          Pr(T > t) = 0.2039
```

Code for Figure 3.3

```
twoway (bar mean fftype if firc==0, fcolor(blue) lcolor(black)) (bar mean fftype if firc==1,
fcolor(gray) lcolor(black)) (rcap upper lower fftype), legend( order(1 "No Regime Change" 2
"Regime Change") ) xlabel( 0.5 "Regime Change (All)" 3.5 "Leadership" 6.5 "Institutional" 9.5
"Restoration", noticks) xtitle("Type of Regime Change") ytitle("Probability of Civil War Onset")
```

BIVARIATE CORRELATIONS: FIVE YEAR TREATMENT EFFECTS

```
tab cw1000on2014 abdfirctarg5, col chi2

cw1000on20 |     abdfirctarg5
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,226        564 |    15,790
           |     98.21      93.84 |     98.05
-----------+----------------------+----------
         1 |       277         37 |       314
           |      1.79       6.16 |      1.95
-----------+----------------------+----------
     Total |    15,503        601 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  57.7839   Pr = 0.000

tab cw1000on2014 abdleaderfirc5, col chi2

cw1000on20 |    abdleaderfirc5
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,484        306 |    15,790
           |     98.21      90.80 |     98.05
-----------+----------------------+----------
         1 |       283         31 |       314
           |      1.79       9.20 |      1.95
-----------+----------------------+----------
     Total |    15,767        337 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  94.6074   Pr = 0.000

tab cw1000on2014 abdinstfirc5, col chi2

cw1000on20 |     abdinstfirc5
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,697         93 |    15,790
           |     98.06      95.88 |     98.05
-----------+----------------------+----------
         1 |       310          4 |       314
           |      1.94       4.12 |      1.95
-----------+----------------------+----------
     Total |    16,007         97 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   2.4123   Pr = 0.120

tab cw1000on2014 abdrestleadfirc5, col chi2

cw1000on20 |   abdrestleadfirc5
        14 |         0          1 |     Total
-----------+----------------------+----------
         0 |    15,626        164 |    15,790
           |     98.05      98.20 |     98.05
-----------+----------------------+----------
         1 |       311          3 |       314
           |      1.95       1.80 |      1.95
-----------+----------------------+----------
     Total |    15,937        167 |    16,104
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.0208   Pr = 0.885
```

```
ttest cw1000on2014, by(abdfirctarg5)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,503    .0178675     .001064    .1324741     .015782     .019953
       1 |     601    .0615641    .0098127    .2405623    .0422926    .0808356
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0436966    .0057384               -.0549444   -.0324487
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -7.6148
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

ttest cw1000on2014, by(abdleaderfirc5)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,767    .0179489    .0010574    .1327699    .0158763    .0200214
       1 |     337    .0919881    .0157667    .2894389    .0609742    .1230021
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0740392    .0075901               -.0889167   -.0591618
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -9.7547
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 1.0000

ttest cw1000on2014, by(abdinstfirc5)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  16,007    .0193665    .0010893    .1378138    .0172314    .0215016
       1 |      97    .0412371    .0202938    .1998711    .0009542    .0815201
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |           -.0218706    .0140813               -.0494715    .0057303
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.5532
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0602         Pr(|T| > |t|) = 0.1204          Pr(T > t) = 0.9398
```

```
ttest cw1000on2014, by(abdrestleadfirc5)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  15,937    .0195143    .0010957    .1383283    .0173666    .0216621
       1 |     167    .0179641    .0103089    .1332203   -.0023894    .0383175
---------+--------------------------------------------------------------------
combined |  16,104    .0194983    .0010896    .1382724    .0173625     .021634
---------+--------------------------------------------------------------------
    diff |            .0015503    .0107561               -.0195329    .0226334
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.1441
Ho: diff = 0                                     degrees of freedom =    16102

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.5573         Pr(|T| > |t|) = 0.8854          Pr(T > t) = 0.4427
```

TABLE 3.2. PROBIT ESTIMATES OF CIVIL WAR ONSET

	1 1816-2007	2 1816-2007	3 1816-2007	4 1816-2007	5 1920-2007	6 1946-2007	7 1946-2007	8 1946-2007	9 1960-2006	10 1816-2007 FE Logit	11 1816-2007 FE Logit
FIRC, t0 – t10	0.362*** (0.084)	-	-	-	-	-	-	-	-	0.993*** (0.210)	-
Leadership FIRC, t0 – t10	-	0.555*** (0.081)	0.602*** (0.075)	0.573*** (0.082)	0.611*** (0.103)	0.681*** (0.132)	0.650*** (0.126)	0.665*** (0.128)	0.776*** (0.115)	-	1.274*** (0.233)
Institutional FIRC, t0 – t10	-	0.141 (0.234)	0.224 (0.216)	0.184 (0.232)	0.003 (0.217)	-0.034 (0.252)	0.008 (0.257)	-0.120 (0.257)	0.412* (0.197)	-	0.927 (0.583)
Restoration FIRC, t0 – t10	-	-0.138 (0.265)	-0.086 (0.259)	-0.135 (0.270)	0.008 (0.346)	0.153 (0.356)	0.147 (0.335)	0.051 (0.324)	0.424 (0.324)	-	-0.118 (0.554)
Economic Development	-0.043*** (0.012)	-0.045*** (0.012)	-0.048*** (0.011)	-0.040*** (0.011)	-0.044** (0.013)	-0.045* (0.018)	-0.046** (0.018)	-0.067*** (0.018)	-0.061* (0.025)	-0.072* (0.029)	-0.083** (0.030)
Population	0.188*** (0.029)	0.191*** (0.030)	0.194*** (0.029)	0.193*** (0.028)	0.201*** (0.025)	0.188*** (0.032)	0.188*** (0.032)	0.224*** (0.029)	0.221*** (0.037)	-0.001 (0.153)	0.043 (0.156)
Mountainous Terrain	0.128 (0.153)	0.091 (0.156)	0.092 (0.156)	0.144 (0.150)	-0.018 (0.162)	-0.055 (0.194)	-0.011 (0.189)	0.002 (0.196)	-0.063 (0.206)	2.940 (6.044)	3.368 (6.096)
New State	0.329† (0.192)	0.334† (0.195)	0.305 (0.195)	0.343† (0.194)	0.622** (0.205)	0.649** (0.235)	0.651** (0.233)	0.599** (0.223)	0.675** (0.253)	0.764* (0.374)	0.780* (0.374)
Democracy	-0.342*** (0.071)	-0.340*** (0.071)	-0.329*** (0.070)	-0.355*** (0.073)	-0.327*** (0.084)	-0.284** (0.083)	-0.260** (0.085)	-0.280** (0.089)	-0.296** (0.101)	-0.866** (0.263)	-0.863** (0.263)
Lose Interstate War, t0 – t10	0.221** (0.078)	0.209** (0.081)	-	0.226** (0.083)	0.352** (0.110)	0.277* (0.126)	0.302* (0.120)	0.301* (0.129)	0.423*** (0.121)	0.381* (0.184)	0.340† (0.186)
Ongoing Civil War, t – 1	-0.142 (0.090)	-0.161† (0.090)	-0.161† (0.092)	-0.184* (0.090)	-0.110 (0.120)	-0.143 (0.135)	-0.138 (0.132)	-0.125 (0.133)	-0.156 (0.141)	-0.673** (0.203)	-0.689** (0.204)
Interstate War Involvement	-	-	0.230* (0.100)	-							
Buffer State	-	-	-	-0.271* (0.108)							
Ethnic Heterogeneity (ELF)	-	-	-	-	0.217* (0.104)	-	-	-	-	-	-
Percent Ethnic Population Discriminated Against	-	-	-	-	-	0.586*** (0.154)	-	-	-	-	-
Percent Ethnic Population Excluded from Power	-	-	-	-	-	-	0.475*** (0.109)	-	-	-	-
Oil Producer (Colgan)	-	-	-	-	-	-	-	0.354** (0.110)	-	-	-
Oil Producer (Ross)	-	-	-	-	-	-	-	-	0.011 (0.019)	-	-
Constant	-3.251*** (0.274)	-3.273*** (0.279)	-3.270*** (0.274)	-3.292*** (0.266)	-3.678*** (0.255)	-3.532*** (0.312)	-3.627*** (0.317)	-3.759*** (0.276)	-3.673*** (0.322)	-	-
N Log Pseudo-LL Wald Chi²	14,909 -1333.315 296.07***	14,909 -1326.030 369.69***	14,909 -1325.877 362.39***	14,909 -1320.378 431.05***	9,863 -772.916 259.16***	7,686 -610.553 172.00***	7,686 -609.621 168.30***	8,694 -621.887 182.70***	6,806 -512.715 197.29***	9,540 -1060.315 112.17***	9,540 -1056.345 120.11***

NOTE: Robust standard errors clustered on country code in parentheses (models 1-7). Peace years and three cubic splines included in each model but not shown. None of these variables is ever significant. † $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

CODE FOR TABLE 3.2

```
probit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate democracy
losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy interwar cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 gdbuffer peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 elfroeder peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 ldiscrimpop peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 lexclpop peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 oil_colgan peaceyrs _spline1
_spline2 _spline3 if year>1945, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 oil_ross peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode2)

xtlogit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate democracy
losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, fe

xtlogit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
fe
```

WALD TESTS FOR EQUIVALENCE AMONG DIFFERENT TYPES OF REGIME CHANGE

```
probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1340.5217
Iteration 2:   log pseudolikelihood = -1326.1051
Iteration 3:   log pseudolikelihood = -1326.0303
Iteration 4:   log pseudolikelihood = -1326.0303

Probit regression                                 Number of obs     =     14,909
                                                  Wald chi2(14)     =     369.69
                                                  Prob > chi2       =     0.0000
Log pseudolikelihood = -1326.0303                 Pseudo R2         =     0.1089

                                    (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
                    |               Robust
       cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------------
    abdleaderfirc10 |   .5546708   .0811897     6.83   0.000      .395542    .7137996
      abdinstfirc10 |   .1407681    .234096     0.60   0.548    -.3180516    .5995878
  abdrestleadfirc10 |  -.1378078   .2652016    -0.52   0.603    -.6575934    .3819778
        lnpec4_fill |  -.0446873   .0116719    -3.83   0.000    -.0675637   -.0218108
      lntpop4_banks |   .1908796   .0296035     6.45   0.000     .1328578    .2489014
        mountainous |   .0906437   .1558852     0.58   0.561    -.2148856     .396173
           newstate |   .3344512   .1946522     1.72   0.086    -.0470601    .7159624
          democracy |  -.3392431   .0709719    -4.78   0.000    -.4783455   -.2001407
          losewar10 |    .209116   .0807533     2.59   0.010     .0508424    .3673895
cw1000ongoing2014l1 |  -.1605462   .0898207    -1.79   0.074    -.3365914    .0154991
           peaceyrs |  -.0046565   .0166976    -0.28   0.780    -.0373832    .0280703
           _spline1 |   .0000501     .00007     0.72   0.474    -.0000871    .0001874
           _spline2 |  -.0000309   .0000356    -0.87   0.386    -.0001007    .0000389
           _spline3 |   4.44e-06   4.50e-06     0.99   0.324    -4.38e-06    .0000133
              _cons |  -3.273137   .2790429   -11.73   0.000    -3.820051   -2.726223
------------------------------------------------------------------------------

test abdleaderfirc10=abdinstfirc10

 ( 1)  [cw1000on2014]abdleaderfirc10 - [cw1000on2014]abdinstfirc10 = 0

           chi2(  1) =    2.96
         Prob > chi2 =    0.0855

test abdleaderfirc10=abdrestleadfirc10

 ( 1)  [cw1000on2014]abdleaderfirc10 - [cw1000on2014]abdrestleadfirc10 = 0

           chi2(  1) =    6.69
         Prob > chi2 =    0.0097

test abdinstfirc10=abdrestleadfirc10

 ( 1)  [cw1000on2014]abdinstfirc10 - [cw1000on2014]abdrestleadfirc10 = 0

           chi2(  1) =    0.63
         Prob > chi2 =    0.4278
```

MARGINAL EFFECTS FROM TABLE 3.2 (FIGURE 3.4)

Model 1

```
estsimp probit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing20141 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1345.9989
Iteration 2:   log pseudolikelihood = -1333.5735
Iteration 3:   log pseudolikelihood = -1333.3155
Iteration 4:   log pseudolikelihood = -1333.3152

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(12)   =     296.07
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1333.3152                 Pseudo R2       =     0.1040

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdfircta~10 |   .3621029   .0841111     4.31   0.000     .1972481    .5269577
 lnpec4_fill |  -.0433877   .0115661    -3.75   0.000    -.0660569   -.0207185
lntpop4_ba~s |   .1881529   .0289628     6.50   0.000     .1313869     .244919
 mountainous |   .1283202   .1534616     0.84   0.403     -.172459    .4290994
    newstate |   .3288026    .192486     1.71   0.088    -.0484629    .7060682
   democracy |  -.3422456    .070906    -4.83   0.000    -.4812188   -.2032724
   losewar10 |   .2213596   .0777093     2.85   0.004     .0690522    .3736671
cw1000ongo~1 |   -.141533   .0895817    -1.58   0.114    -.3171099    .0340439
    peaceyrs |  -.0062977   .0164307    -0.38   0.702    -.0385013    .0259059
    _spline1 |   .0000477   .0000694     0.69   0.492    -.0000884    .0001837
    _spline2 |  -.0000305   .0000354    -0.86   0.390    -.0000999     .000039
    _spline3 |   4.71e-06   4.53e-06     1.04   0.298    -4.16e-06    .0000136
       _cons |  -3.250925   .2738143   -11.87   0.000    -3.787591   -2.714259
------------------------------------------------------------------------------
```

FIRC

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing20141 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0156076     .0017398     .0124577    .0191654

setx abdfirctarg10 1 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing20141 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0368388     .0075985      .023753    .0526546

simqi fd(prval(1)) changex(abdfirctarg10 0 1)

First Difference: abdfirctarg10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0212312     .0070052     .0087555    .0358223
```

Energy Consumption

```
setx abdfirctarg10 0 lnpec4_fill p20 lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0255587     .0035237     .0194524    .0331032

setx abdfirctarg10 0 lnpec4_fill p80 lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0105053     .0019676     .0071232    .0149617

simqi fd(prval(1)) changex(lnpec4_fill p20 p80)

First Difference: lnpec4_fill p20 p80

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |  -.0150534     .0042677    -.0236323   -.0071241
```

Population

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks p20 mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0077086     .0015432     .0050441     .011039

setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks p80 mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0304578     .0033548     .0241493    .0372445

simqi fd(prval(1)) changex(lntpop4_banks p20 p80)

First Difference: lntpop4_banks p20 p80

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0227492     .0036647     .0159426    .0302492
```

Percent Mountainous

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous p20 newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0147634     .0021336     .0109782    .0192066

setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous p80 newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean
```

```
simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0164307     .0019958     .0126819    .0206848

simqi fd(prval(1)) changex(mountainous p20 p80)

First Difference: mountainous p20 p80

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0016673     .0022204    -.0026107    .0059543
```

New State

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 1 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0360979      .015107     .0138986    .0719056

simqi fd(prval(1)) changex(newstate 0 1)

First Difference: newstate 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0204904     .0155021    -.0023903     .057259
```

Democracy

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 1
losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .006303     .0011612     .0043674    .0088849

simqi fd(prval(1)) changex(democracy 0 1)

First Difference: democracy 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |  -.0093046     .0018064    -.0128665   -.0057723
```

Lose Interstate War

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 1 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0269096     .0048185     .0183634    .0373217

simqi fd(prval(1)) changex(losewar10 0 1)

First Difference: losewar10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0113021     .0045859     .0036268    .0218002
```

Ongoing Civil War

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 1 peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0109806     .0024356     .0067717    .0162683

simqi fd(prval(1)) changex(cw1000ongoing2014l1 0 1)

First Difference: cw1000ongoing2014l1 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   -.004627     .0028211    -.0099297    .0010515
```

Peace Years

```
setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs p20 _spline1 p20 _spline2 p20 _spline3 p20

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0575099      .091515      .000102    .3363305

setx abdfirctarg10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean newstate 0 democracy 0
losewar10 0 cw1000ongoing2014l1 0 peaceyrs p80 _spline1 p80 _spline2 p80 _spline3 p80

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0386133      .069764     .0000581    .2515902

simqi fd(prval(1)) changex(peaceyrs p20 p80 _spline1 p20 p80 _spline2 p20 p80 _spline3 p20 p80)

First Difference: peaceyrs p20 p80 _spline1 p20 p80 _spline2 p20 p80 _spline3 p20 p80

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |  -.0188966     .1317677    -.3363021    .2515208
```

Model 2, FIRC Variables Only

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1340.5217
Iteration 2:   log pseudolikelihood = -1326.3255
Iteration 3:   log pseudolikelihood = -1326.0307
Iteration 4:   log pseudolikelihood = -1326.0303

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(14)   =     369.69
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1326.0303                 Pseudo R2       =     0.1089

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .5546708   .0811896     6.83   0.000     .3955421    .7137996
abdinstfi~10 |   .1407681   .2340958     0.60   0.548    -.3180513    .5995875
abdrestle~10 |  -.1378078   .2652013    -0.52   0.603    -.6575928    .3819772
 lnpec4_fill |  -.0446873   .0116719    -3.83   0.000    -.0675637   -.0218109
lntpop4_ba~s |   .1908796   .0296035     6.45   0.000     .1328578    .2489014
 mountainous |   .0906436   .1558849     0.58   0.561    -.2148852    .3961725
    newstate |   .3344512   .1946521     1.72   0.086    -.0470598    .7159622
   democracy |  -.3392433   .0709717    -4.78   0.000    -.4783452   -.2001413
   losewar10 |    .209116   .0807533     2.59   0.010     .0508425    .3673895
cw1000ongo~1 |  -.1605462   .0898206    -1.79   0.074    -.3365913     .015499
    peaceyrs |  -.0046565   .0166976    -0.28   0.780    -.0373832    .0280703
    _spline1 |   .0000501     .00007     0.72   0.474    -.0000871    .0001874
    _spline2 |  -.0000309   .0000356    -0.87   0.386    -.0001007    .0000389
    _spline3 |   4.44e-06   4.50e-06     0.99   0.324    -4.38e-06    .0000133
       _cons |  -3.273137   .2790427   -11.73   0.000    -3.820051   -2.726224
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0157371     .0017971     .0126252    .0193499
```

Leadership FIRC

```
setx abdleaderfirc10 1 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0561479     .0096022     .0397917    .0765182

simqi fd(prval(1)) changex(abdleaderfirc10 0 1)

First Difference: abdleaderfirc10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0404108     .0091295     .0248095    .0603334
```

Institutional FIRC

```
setx abdleaderfirc10 0 abdinstfirc10 1 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0254329     .0152124     .0061339    .0633301

simqi fd(prval(1)) changex(abdinstfirc10 0 1)

First Difference: abdinstfirc10 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0096958     .0147309    -.0086985    .0460745
```

Restoration FIRC

```
setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 1 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0137416     .0103633     .0025748     .040838

simqi fd(prval(1)) changex(abdrestleadfirc10 0 1)

First Difference: abdrestleadfirc10 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |  -.0019955     .0103744    -.0139749    .0238202
```

Code for Figure 3.4

```
twoway (bar mean fftype if firc==0, fcolor(blue) lcolor(black)) (bar mean fftype if firc==1,
fcolor(gray) lcolor(black)) (rcap upper lower fftype), legend( order(1 "No Regime Change" 2
"Regime Change") ) xlabel( 0.5 "Regime Change (All)" 3.5 "Leadership" 6.5 "Institutional" 9.5
"Restoration", noticks) xtitle("Type of Regime Change") ytitle("Probability of Civil War Onset")
```

Model 3, Interstate War Involvement

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy interwar cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood =  -1488.025
Iteration 1:   log pseudolikelihood = -1340.2694
Iteration 2:   log pseudolikelihood = -1326.1634
Iteration 3:   log pseudolikelihood = -1325.8774
Iteration 4:   log pseudolikelihood =  -1325.877

Probit regression                                 Number of obs   =      14904
                                                  Wald chi2(14)   =     362.39
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood =  -1325.877                 Pseudo R2       =     0.1090

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |    .601929   .0753765     7.99   0.000     .4541937    .7496643
abdinstfi~10 |   .2241777   .2163815     1.04   0.300    -.1999223    .6482776
abdrestle~10 |  -.0857299   .2587429    -0.33   0.740    -.5928567     .421397
 lnpec4_fill |  -.0476645   .0114199    -4.17   0.000    -.0700471    -.025282
lntpop4_ba~s |   .1935401   .0292178     6.62   0.000     .1362743    .2508059
 mountainous |   .0921315   .1560837     0.59   0.555    -.2137869    .3980499
    newstate |   .3051837   .1946005     1.57   0.117    -.0762263    .6865938
   democracy |   -.329401   .0699615    -4.71   0.000    -.4665231    -.192279
    interwar |   .2303453    .099976     2.30   0.021      .034396    .4262946
cw1000ongo~1 |  -.1613599   .0917356    -1.76   0.079    -.3411584    .0184386
    peaceyrs |  -.0072525   .0168503    -0.43   0.667    -.0402784    .0257735
    _spline1 |    .000036   .0000718     0.50   0.616    -.0001046    .0001767
    _spline2 |  -.0000235   .0000366    -0.64   0.521    -.0000953    .0000483
    _spline3 |   3.68e-06   4.60e-06     0.80   0.424    -5.34e-06    .0000127
       _cons |   -3.27042   .2735856   -11.95   0.000    -3.806638   -2.734202
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 interwar 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------------
            Pr(cw~n2014=1) |   .0155873     .0016615     .0125259    .0189584

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 interwar 1 cw1000ongoing2014l1 0 peaceyrs mean _spline1
mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------------
            Pr(cw~n2014=1) |    .027432     .0064309     .0168727    .0418095

simqi, fd(prval(1)) changex(interwar 0 1)

First Difference: interwar 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+-----------------------------------------------------
         dPr(cw~n2014 = 1) |   .0118448      .006116     .0017083      .02532
```

Model 4, Buffer State

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 gdbuffer peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1336.3725
Iteration 2:   log pseudolikelihood =  -1320.775
Iteration 3:   log pseudolikelihood = -1320.3788
Iteration 4:   log pseudolikelihood = -1320.3781

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(15)   =     431.05
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1320.3781                 Pseudo R2       =     0.1127

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .5726073   .0820985     6.97   0.000     .4116972    .7335173
abdinstfi~10 |   .1840953   .2324178     0.79   0.428    -.2714352    .6396258
abdrestle~10 |  -.1348486    .269759    -0.50   0.617    -.6635666    .3938694
 lnpec4_fill |  -.0404041   .0114367    -3.53   0.000    -.0628196   -.0179885
lntpop4_ba~s |   .1930981   .0277103     6.97   0.000     .1387869    .2474092
 mountainous |   .1441327   .1497433     0.96   0.336    -.1493588    .4376242
    newstate |    .343355   .1943688     1.77   0.077    -.0376007    .7243108
   democracy |  -.3553511   .0728249    -4.88   0.000    -.4980853   -.2126168
   losewar10 |   .2260879   .0827454     2.73   0.006     .0639099    .3882659
cw1000ongo~1 |  -.1840725   .0899724    -2.05   0.041    -.3604151   -.0077299
    gdbuffer |  -.2706372   .1077104    -2.51   0.012    -.4817458   -.0595286
    peaceyrs |  -.0059361   .0167892    -0.35   0.724    -.0388423     .02697
    _spline1 |   .0000459   .0000703     0.65   0.513    -.0000918    .0001837
    _spline2 |  -.0000296   .0000358    -0.83   0.409    -.0000997    .0000406
    _spline3 |   4.68e-06   4.58e-06     1.02   0.307    -4.29e-06    .0000136
       _cons |  -3.291799   .2658568   -12.38   0.000    -3.812868   -2.770729
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 gdbuffer 0 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
           Pr(cw~n2014=1) |   .0170537     .0019285     .0135731     .021411

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 gdbuffer 1 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
           Pr(cw~n2014=1) |   .0087407     .0025921     .0046308    .0149163

simqi, fd(prval(1)) changex(gdbuffer 0 1)

First Difference: gdbuffer 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |  -.0083131     .0029238    -.0137773   -.0018402
```

Model 5, Ethnolinguistic Fractionalization

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 elfroeder peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -862.89384
Iteration 1:   log pseudolikelihood = -782.94576
Iteration 2:   log pseudolikelihood = -773.09121
Iteration 3:   log pseudolikelihood = -772.91655
Iteration 4:   log pseudolikelihood = -772.91642

Probit regression                                 Number of obs   =       9863
                                                  Wald chi2(15)   =     259.16
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -772.91642                 Pseudo R2       =     0.1043

                              (Std. Err. adjusted for 176 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .6113514    .102781     5.95   0.000     .4099044    .8127984
abdinstfi~10 |   .0029156     .21717     0.01   0.989    -.4227297    .4285608
abdrestle~10 |    .007546   .3457643     0.02   0.983    -.6701396    .6852317
 lnpec4_fill |  -.0444898   .0134203    -3.32   0.001    -.0707931   -.0181865
lntpop4_ba~s |   .2010041   .0249866     8.04   0.000     .1520313    .2499769
 mountainous |  -.0183004   .1616481    -0.11   0.910    -.3351248     .298524
    newstate |    .622031   .2046337     3.04   0.002     .2209563    1.023106
   democracy |  -.3265694   .0843428    -3.87   0.000    -.4918783   -.1612604
   losewar10 |   .3521474   .1100126     3.20   0.001     .1365268    .5677681
cw1000ongo~1 |  -.1102528   .1199783    -0.92   0.358     -.345406    .1249004
   elfroeder |   .2173131    .103691     2.10   0.036     .0140825    .4205438
    peaceyrs |   .0153143   .0211477     0.72   0.469    -.0261345    .0567631
    _spline1 |   .0000991   .0000967     1.02   0.306    -.0000905    .0002887
    _spline2 |  -.0000518   .0000503    -1.03   0.304    -.0001504    .0000469
    _spline3 |   5.23e-06   6.30e-06     0.83   0.406    -7.11e-06    .0000176
       _cons |  -3.677762   .2549303   -14.43   0.000    -4.177416   -3.178108
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 elfroeder p20 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0116406     .0018793     .0083065    .0158198

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 elfroeder p80 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0162533     .0023193     .0121946    .0211997

simqi fd(prval(1)) changex(elfroeder p20 p80)

First Difference: elfroeder p20 p80

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0046127     .0022717     .0003265    .0093223
```

Model 6, Ethnic Discrimination

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 ldiscrimpop peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -671.39786
Iteration 1:   log pseudolikelihood =  -617.2518
Iteration 2:   log pseudolikelihood = -610.63179
Iteration 3:   log pseudolikelihood =  -610.5535
Iteration 4:   log pseudolikelihood = -610.55347

Probit regression                                 Number of obs   =       7686
                                                  Wald chi2(15)   =     172.00
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -610.55347                 Pseudo R2       =     0.0906

                              (Std. Err. adjusted for 159 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .6811772     .13173     5.17   0.000     .4229912    .9393633
abdinstfi~10 |  -.0343975   .2518748    -0.14   0.891     -.528063     .459268
abdrestle~10 |   .1526889   .3563904     0.43   0.668    -.5458234    .8512013
 lnpec4_fill |  -.0452341   .0184136    -2.46   0.014    -.0813241   -.0091441
lntpop4_ba~s |   .1877949   .0323585     5.80   0.000     .1243735    .2512163
 mountainous |  -.0553741   .1936843    -0.29   0.775    -.4349883      .32424
    newstate |   .6490806   .2345762     2.77   0.006     .1893197    1.108842
   democracy |   -.283554   .0827734    -3.43   0.001    -.4457869   -.1213211
   losewar10 |   .2768634   .1263892     2.19   0.028     .0291451    .5245816
cw1000ongo~1 |  -.1429644   .1354787    -1.06   0.291    -.4084978    .1225691
 ldiscrimpop |   .5858174   .1537503     3.81   0.000     .2844723    .8871625
    peaceyrs |   .0227068   .0261496     0.87   0.385    -.0285455    .0739591
    _spline1 |   .0001178   .0001197     0.98   0.325    -.0001168    .0003523
    _spline2 |   -.000056   .0000621    -0.90   0.367    -.0001777    .0000657
    _spline3 |   3.25e-06   7.57e-06     0.43   0.668    -.0000116    .0000181
       _cons |  -3.532223   .3123538   -11.31   0.000    -4.144425   -2.920021
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 ldiscrimpop p20
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0133074     .0020015     .0098236    .0174732

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 ldiscrimpop p80
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0144223     .0020528     .0108198    .0187705


simqi fd(prval(1)) changex(ldiscrimpop p20 p80)

First Difference: ldiscrimpop p20 p80

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0011149     .0002915     .0005788    .0016942

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 ldiscrimpop 0 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean
```

```
simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0133074     .0020015     .0098236    .0174732

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 ldiscrimpop max
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0511464     .0148164     .0277824    .0842017

simqi fd(prval(1)) changex(ldiscrimpop min max)

First Difference: ldiscrimpop min max

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |    .037839     .0148888     .0142242    .0701665
```

Model 7, Ethnic Exclusion

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 lexclpop peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -671.39786
Iteration 1:   log pseudolikelihood = -616.27159
Iteration 2:   log pseudolikelihood = -609.69844
Iteration 3:   log pseudolikelihood =  -609.6213
Iteration 4:   log pseudolikelihood = -609.62128

Probit regression                                 Number of obs   =       7686
                                                  Wald chi2(15)   =     168.30
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -609.62128                 Pseudo R2       =     0.0920

                              (Std. Err. adjusted for 159 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .6498937   .1256281     5.17   0.000     .4036671    .8961202
abdinstfi~10 |   .0080872   .2565826     0.03   0.975    -.4948056    .5109799
abdrestle~10 |   .1469292     .33491     0.44   0.661    -.5094825    .8033408
 lnpec4_fill |  -.0461706   .0180411    -2.56   0.010    -.0815304   -.0108108
lntpop4_ba~s |   .1880367   .0322288     5.83   0.000     .1248695     .251204
 mountainous |  -.0110677   .1890727    -0.06   0.953    -.3816434     .359508
    newstate |   .6512859   .2327094     2.80   0.005     .1951838    1.107388
   democracy |  -.2599882   .0845702    -3.07   0.002    -.4257429   -.0942336
   losewar10 |   .3022654   .1199387     2.52   0.012     .0671898    .5373411
cw1000ongo~1 |  -.1378563   .1324579    -1.04   0.298    -.3974691    .1217564
    lexclpop |   .4751226   .1089213     4.36   0.000     .2616407    .6886045
    peaceyrs |   .0249513   .0260559     0.96   0.338    -.0261173    .0760199
    _spline1 |   .0001274   .0001192     1.07   0.285    -.0001062    .0003611
    _spline2 |   -.000062   .0000618    -1.00   0.315    -.0001831    .0000591
    _spline3 |   4.40e-06   7.49e-06     0.59   0.557    -.0000103    .0000191
       _cons |  -3.626951   .3173833   -11.43   0.000    -4.249011   -3.004891
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 lexclpop p20 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .011394     .0018681     .0081002    .0153915

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 lexclpop p80 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .017434     .0024653     .0132251    .0226141

simqi fd(prval(1)) changex(lexclpop p20 p80)

First Difference: lexclpop p20 p80

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |     .00604     .0014875     .0033044    .0090356

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 lexclpop min peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean
```

```
simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .011394     .0018681     .0081002    .0153915

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 lexclpop max peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0348029     .0072839     .0225461    .0507286

simqi fd(prval(1)) changex(lexclpop min max)

First Difference: lexclpop min max

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0234089     .0071879     .0108432      .03919
```

Model 8, Oil Producer (Colgan)

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 oil_colgan peaceyrs
_spline1 _spline2 _spline3 if year>1945, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -696.23674
Iteration 1:   log pseudolikelihood = -630.96326
Iteration 2:   log pseudolikelihood = -622.08957
Iteration 3:   log pseudolikelihood = -621.88753
Iteration 4:   log pseudolikelihood = -621.88728
Iteration 5:   log pseudolikelihood = -621.88728

Probit regression                                 Number of obs   =       8694
                                                  Wald chi2(15)   =     182.70
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -621.88728                 Pseudo R2       =     0.1068

                              (Std. Err. adjusted for 195 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .6652333   .1277439     5.21   0.000       .41486    .9156067
abdinstfi~10 |  -.1200879   .2565113    -0.47   0.640    -.6228407     .382665
abdrestle~10 |   .0511577   .3242295     0.16   0.875    -.5843204    .6866357
 lnpec4_fill |  -.0669251   .0184599    -3.63   0.000    -.1031058   -.0307443
lntpop4_ba~s |   .2242478   .0286421     7.83   0.000     .1681103    .2803853
 mountainous |   .0024364   .1961764     0.01   0.990    -.3820624    .3869352
    newstate |   .5988504   .2229342     2.69   0.007     .1619074    1.035793
   democracy |  -.2795786   .0890918    -3.14   0.002    -.4541953   -.1049618
   losewar10 |   .3012827   .1291728     2.33   0.020     .0481086    .5544567
cw1000ongo~1 |  -.1251146   .1328005    -0.94   0.346    -.3853989    .1351697
  oil_colgan |   .3536176   .1098628     3.22   0.001     .1382906    .5689447
    peaceyrs |   .0305082    .025963     1.18   0.240    -.0203783    .0813946
    _spline1 |   .0001601   .0001201     1.33   0.182    -.0000753    .0003956
    _spline2 |  -.0000801   .0000624    -1.28   0.199    -.0002025    .0000423
    _spline3 |   6.73e-06   7.54e-06     0.89   0.372    -8.06e-06    .0000215
       _cons |  -3.759369   .2757028   -13.64   0.000    -4.299737   -3.219002
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_colgan 0 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0108428     .0019205     .0076018    .0151205

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_colgan 1 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .025943     .0057526     .0165254    .0396021

simqi fd(prval(1)) changex(oil_colgan 0 1)

First Difference: oil_colgan 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0151003     .0058358     .0048245    .0280128
```

Model 9, Oil Producer (Ross)

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 oil_ross peaceyrs
_spline1 _spline2 _spline3 if year>=1960, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -575.15014
Iteration 1:   log pseudolikelihood = -520.04761
Iteration 2:   log pseudolikelihood = -512.85374
Iteration 3:   log pseudolikelihood = -512.71508
Iteration 4:   log pseudolikelihood = -512.71494

Probit regression                                 Number of obs   =       6806
                                                  Wald chi2(15)   =     197.29
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -512.71494                 Pseudo R2       =     0.1086

                              (Std. Err. adjusted for 167 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleader~10 |   .7556922   .1152831     6.56   0.000     .5297415    .9816428
abdinstfi~10 |   .4123547   .1968054     2.10   0.036     .0266232    .7980862
abdrestle~10 |   .4236371   .3244985     1.31   0.192    -.2123682    1.059642
 lnpec4_fill |  -.0607619   .0250787    -2.42   0.015    -.1099153   -.0116086
lntpop4_ba~s |   .2205601   .0370664     5.95   0.000     .1479112     .293209
 mountainous |  -.0634696   .2061765    -0.31   0.758     -.467568    .3406289
    newstate |   .6746681   .2533606     2.66   0.008     .1780905    1.171246
   democracy |  -.2958007   .1007795    -2.94   0.003    -.4933248   -.0982766
   losewar10 |    .422554   .1205696     3.50   0.000     .1862418    .6588661
cw1000ongo~1 |  -.1557777   .1405408    -1.11   0.268    -.4312325    .1196771
    oil_ross |   .0111808   .0194428     0.58   0.565    -.0269263    .0492879
    peaceyrs |   .0321737   .0275311     1.17   0.243    -.0217863    .0861337
    _spline1 |   .0001753   .0001266     1.39   0.166    -.0000728    .0004234
    _spline2 |  -.0000853   .0000658    -1.30   0.195    -.0002142    .0000437
    _spline3 |   5.77e-06   8.05e-06     0.72   0.474      -.00001    .0000215
       _cons |  -3.673219   .3219056   -11.41   0.000    -4.304142   -3.042296
------------------------------------------------------------------------------

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_ross p20 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0122546     .0027797     .0077196    .0184583

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_ross p80 peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0140489     .0028221     .0092101    .0200451

simqi fd(prval(1)) changex(oil_ross p20 p80)

First Difference: oil_ross p20 p80

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0017943     .0034803    -.0051683    .0088108

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_ross min peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean
```

```
simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0122546     .0027797     .0077196    .0184583

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lnpec4_fill mean lntpop4_banks mean
mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 oil_ross max peaceyrs
mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0175858     .0078482     .0066642    .0364889

simqi fd(prval(1)) changex(oil_ross min max)

First Difference: oil_ross min max

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0053312     .0091496    -.0093774    .0264006
```

TABLE 3.2A. PROBIT ESTIMATES OF CIVIL WAR ONSET WITH FIVE-YEAR TREATMENT EFFECTS

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) FE Logit	(9) FE Logit
abdfirctarg5	0.48***							1.25***	
	(0.10)							(0.23)	
abdleaderfirc5		0.67***	0.76***	0.90***	0.87***	0.68***	0.91***		1.50***
		(0.11)	(0.14)	(0.20)	(0.19)	(0.11)	(0.20)		(0.26)
abdinstfirc5		0.32	0.12	0.11	0.16	0.33	0.41*		1.31*
		(0.26)	(0.25)	(0.23)	(0.24)	(0.26)	(0.20)		(0.59)
abdrestleadfirc5		-0.00	0.28	0.53	0.52	-0.04	0.70+		0.26
		(0.35)	(0.36)	(0.37)	(0.36)	(0.33)	(0.38)		(0.63)
lnpec4_fill	-0.04***	-0.04***	-0.05**	-0.05*	-0.05**	-0.05***	-0.06*	-0.07*	-0.08**
	(0.01)	(0.01)	(0.01)	(0.02)	(0.02)	(0.01)	(0.03)	(0.03)	(0.03)
lntpop4_banks	0.19***	0.19***	0.21***	0.19***	0.19***	0.20***	0.22***	0.00	0.02
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.04)	(0.15)	(0.16)
mountainous	0.13	0.11	0.00	-0.04	-0.00	0.17	-0.09	2.13	2.24
	(0.15)	(0.15)	(0.16)	(0.19)	(0.19)	(0.16)	(0.21)	(6.06)	(6.12)
newstate	0.31	0.31	0.62**	0.65**	0.65**	0.31	0.66**	0.74*	0.73+
	(0.19)	(0.20)	(0.20)	(0.23)	(0.23)	(0.20)	(0.25)	(0.37)	(0.37)
democracy	-0.34***	-0.34***	-0.33***	-0.28***	-0.25**	-0.30***	-0.30**	-0.84**	-0.84**
	(0.07)	(0.07)	(0.08)	(0.08)	(0.08)	(0.07)	(0.10)	(0.26)	(0.26)
losewar5	0.25**	0.23*	0.48***	0.38*	0.41*	0.23*	0.54**	0.44*	0.39+
	(0.09)	(0.10)	(0.13)	(0.17)	(0.17)	(0.09)	(0.19)	(0.21)	(0.21)
cw1000ongo~1	-0.15+	-0.17+	-0.12	-0.14	-0.14	-0.17+	-0.15	-0.71***	-0.74***
	(0.09)	(0.09)	(0.12)	(0.14)	(0.13)	(0.09)	(0.14)	(0.21)	(0.21)
peaceyrs	-0.00	-0.00	0.02	0.03	0.03	-0.00	0.03	-0.01	-0.01
	(0.02)	(0.02)	(0.02)	(0.03)	(0.03)	(0.02)	(0.03)	(0.03)	(0.03)
_spline1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline2	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
elfroeder			0.23*						
			(0.10)						
ldiscrimpop				0.60***					
				(0.16)					
lexclpop					0.49***				
					(0.11)				
oil_colgan						0.32***			
						(0.10)			

oil_ross							0.01		
							(0.02)		
_cons	-3.26***	-3.27***	-3.73***	-3.58***	-3.68***	-3.34***	-3.69***		
	(0.28)	(0.29)	(0.25)	(0.30)	(0.31)	(0.30)	(0.32)		
N	14909	14909	9863	7686	7686	14909	6806	9540	9540
pseudo R-sq	0.105	0.109	0.110	0.096	0.098	0.112	0.113	0.053	0.056

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

CODE FOR TABLE 3.2A

```
eststo M1: quietly probit cw1000on2014 abdfirctarg5 lnpec4_fill lntpop4_banks mountainous newstate democracy losewar5
cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M2: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M3: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 elfroeder peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M4: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 ldiscrimpop peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M5: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 lexclpop peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M6: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 oil_colgan peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M7: quietly probit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 oil_ross peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

eststo M8: quietly xtlogit cw1000on2014 abdfirctarg5 lnpec4_fill lntpop4_banks mountainous newstate democracy losewar5
cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, fe

eststo M9: quietly xtlogit cw1000on2014 abdleaderfirc5 abdinstfirc5 abdrestleadfirc5 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar5 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, fe

esttab M1 M2 M3 M4 M5 M6 M7 M8 M9 using firc5.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001) order(abdfirctarg5
abdleaderfirc5 abdinstfirc5 abdrestleadfirc5)
```

TABLE 3.3. PROBIT ESTIMATES OF CIVIL WAR ONSET, 1816-2007: INTERACTION EFFECTS‡

	12a	12b	**12c**	12d	13a	13b	**13c**	13d	**14a**	14b	14c	14d
FIRC, t0 – t10	0.285* (0.128)	-	-	-	0.264 (0.189)	-	-	-	**0.383**** **(0.108)**	-	-	-
Leadership FIRC	-	0.423** (0.129)	**0.553***** **(0.081)**	0.554*** (0.082)	-	0.668*** (0.157)	**0.618***** **(0.102)**	0.613*** (0.103)	-	0.573*** (0.106)	0.553*** (0.081)	0.554*** (0.081)
Institutional FIRC	-	0.138 (0.233)	**0.623**** **(0.230)**	0.142 (0.233)	-	0.006 (0.217)	**-0.403** **(0.372)**	-0.004 (0.218)	-	0.137 (0.233)	0.216 (0.340)	0.140 (0.234)
Restoration FIRC	-	-0.146 (0.266)	**-0.138** **(0.265)**	-0.475* (0.224)	-	0.007 (0.346)	**0.011** **(0.345)**	-0.487 (0.460)	-	-0.140 (0.266)	-0.139 (0.265)	-0.125 (0.396)
Economic Development	-0.045*** (0.012)	-0.046*** (0.012)	**-0.043***** **(0.012)**	-0.046*** (0.012)	-0.045** (0.014)	-0.045** (0.013)	**-0.045**** **(0.013)**	-0.044** (0.014)	**-0.043***** **(0.012)**	-0.045*** (0.012)	-0.045*** (0.012)	-0.045*** (0.012)
Lose Interstate War	0.224** (0.078)	0.218** (0.080)	**0.222**** **(0.079)**	0.209** (0.081)	0.332** (0.106)	0.352** (0.110)	**0.341**** **(0.110)**	0.360** (0.110)	**0.238**** **(0.086)**	0.219* (0.087)	0.214** (0.079)	0.210** (0.081)
Ethnic Heterogeneity (ELF)	-	-	-	-	0.196† (0.109)	0.230* (0.110)	**0.202†** **(0.104)**	0.207* (0.105)	-	-	-	-
FIRC × Economic Development	0.014 (0.017)	-	-	-	-	-	-	-	-	-	-	-
Leadership FIRC × Economic Development	-	0.025 (0.018)	-	-	-	-	-	-	-	-	-	-
Institutional FIRC × Economic Development	-	-	**-0.083*** **(0.037)**	-	-	-	-	-	-	-	-	-
Restoration FIRC × Economic Development	-	-	-	0.066† (0.036)	-	-	-	-	-	-	-	-
FIRC × Ethnic Heterogeneity	-	-	-	-	0.287 (0.319)	-	-	-	-	-	-	-
Leadership FIRC × Ethnic Heterogeneity	-	-	-	-	-	-0.118 (0.261)	-	-	-	-	-	-
Institutional FIRC × Ethnic Heterogeneity	-	-	-	-	-	-	**1.475*** **(0.609)**	-	-	-	-	-
Restoration FIRC × Ethnic Heterogeneity	-	-	-	-	-	-	-	0.969 (1.004)	-	-	-	-
FIRC × Lose Interstate War	-	-	-	-	-	-	-	-	**-0.059** **(0.159)**	-	-	-
Leadership FIRC × Lose Interstate War	-	-	-	-	-	-	-	-	-	-0.048 (0.155)	-	-
Institutional FIRC × Lose Interstate War	-	-	-	-	-	-	-	-	-	-	-0.166 (0.416)	-
Restoration FIRC × Lose Interstate War	-		-	-	-	-	-	-	-	-	-	-0.030 (0.469)
Population	0.188*** (0.029)	0.189*** (0.030)	**0.192***** **(0.039)**	0.192*** (0.030)	0.203*** (0.026)	0.201*** (0.025)	**0.201***** **(0.025)**	0.200*** (0.025)	**0.188***** **(0.029)**	0.191*** (0.030)	0.191*** (0.030)	0.191*** (0.030)
Mountainous Terrain	0.134 (0.153)	0.098 (0.154)	**0.092** **(0.156)**	0.094 (0.156)	0.032 (0.157)	-0.025 (0.164)	**-0.038** **(0.163)**	-0.015 (0.162)	**0.127** **(0.154)**	0.089 (0.156)	0.193 (0.156)	0.190 (0.156)
New State	0.328† (0.193)	0.335† (0.195)	**0.341†** **(0.195)**	0.336† (0.195)	0.603** (0.201)	0.622** (0.205)	**0.623**** **(0.205)**	0.625** (0.205)	**0.329†** **(0.193)**	0.334† (0.195)	0.335† (0.195)	0.335† (0.195)
Democracy	-0.343*** (0.071)	-0.340*** (0.071)	**-0.340***** **(0.071)**	-0.340*** (0.071)	-0.330*** (0.085)	-0.326*** (0.084)	**-0.325***** **(0.084)**	-0.325*** (0.084)	**-0.340***** **(0.071)**	-0.337*** (0.071)	-0.340*** (0.071)	-0.339*** (0.071)

Ongoing Civil War, t-1	-0.140 (0.090)	-0.161† (0.091)	**-0.167† (0.090)**	-0.161† (0.090)	-0.090 (0.118)	-0.110 (0.120)	**-0.119 (0.122)**	-0.112 (0.120)	**-0.142 (0.090)**	-0.161† (0.090)	-0.160† (0.090)	-0.161† (0.090)
Constant	-3.242*** (0.276)	-3.255*** (0.282)	**-3.288***** **(0.282)**	-3.281*** (0.283)	-3.664*** (0.246)	-3.684*** (0.254)	**-3.667***** **(0.254)**	-3.672*** (0.256)	**-3.249***** **(0.274)**	-3.271*** (0.280)	-3.276*** (0.280)	-3.273*** (0.279)
N	14,909	14,909	**14,909**	14,909	9,863	9,863	**9,863**	9,863	**14,909**	14,909	14,909	14,909
Log Pseudo-LL	-1333.016	-1325.444	**-1324.547**	-1325.111	-777.723	-772.859	**-772.142**	-772.456	**-1333.252**	-1325.998	-1325.962	-1326.028
Wald Chi²	299.84***	394.82***	**389.10*****	371.28***	229.14***	258.74***	**281.27*****	261.01***	**295.31*****	374.12***	373.50***	371.47***

NOTE: Robust standard errors clustered on country code in parentheses. Peace years and three cubic splines included in each model but not shown. None of these variables is ever significant.
† $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.
‡ For completeness, I have included interactions for all types of FIRCs with the three moderating variables. The bolded columns (12c, 13c, and 14a) correspond to models 12, 13, and 14 in Table 3.3 in the book.

CODE FOR TABLE 3.3

```
probit cw1000on2014 abdfirctarg10 lnpec4_fill losewar10 abdfirc10pec lntpop4_banks mountainous
newstate democracy cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdleadfirc10pec lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdinstfirc10pec lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdrestfirc10pec lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdfirctarg10 lnpec4_fill losewar10 elfroeder abdfirc10elf lntpop4_banks
mountainous newstate democracy cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
elfroeder abdleadfirc10elf lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1
peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
elfroeder abdinstfirc10elf lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1
peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
elfroeder abdrestfirc10elf lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1
peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdfirctarg10 lnpec4_fill losewar10 abdfirc10lose lntpop4_banks mountainous
newstate democracy cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdleadfirc10lose lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdinstfirc10lose lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill losewar10
abdrestfirc10lose lntpop4_banks mountainous newstate democracy cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)
```

CODE FOR FIGURE 3.5. THE EFFECT OF INSTITUTIONAL REGIME CHANGE ON CIVIL WAR ONSET CONTINGENT ON THE TARGET'S LEVEL OF ECONOMIC DEVELOPMENT

```
probit cw1000on2014 abdinstfirc10 lnpec4_fill abdinstfirc10pec abdleaderfirc10 abdrestleadfirc10
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1339.2326
Iteration 2:   log pseudolikelihood = -1324.6229
Iteration 3:   log pseudolikelihood = -1324.5465
Iteration 4:   log pseudolikelihood = -1324.5465

Probit regression                                 Number of obs     =     14,909
                                                  Wald chi2(15)     =     389.10
                                                  Prob > chi2       =     0.0000
Log pseudolikelihood = -1324.5465                 Pseudo R2         =     0.1099

                                    (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
                    |               Robust
       cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------------
      abdinstfirc10 |   .6226857   .2296916     2.71   0.007     .1724984    1.072873
        lnpec4_fill |  -.0433866   .0117086    -3.71   0.000     -.066335   -.0204382
   abdinstfirc10pec |  -.0827698   .0373332    -2.22   0.027    -.1559415   -.0095981
    abdleaderfirc10 |   .5528586   .0808205     6.84   0.000     .3944532    .7112639
  abdrestleadfirc10 |  -.1384873   .2653854    -0.52   0.602    -.6586331    .3816586
      lntpop4_banks |   .1918048    .029872     6.42   0.000     .1332567    .2503529
        mountainous |   .0923996   .1561553     0.59   0.554    -.2136592    .3984584
           newstate |   .3408809   .1950288     1.75   0.080    -.0413685    .7231302
          democracy |  -.3401334   .0711079    -4.78   0.000    -.4795023   -.2007644
          losewar10 |   .2219104   .0791598     2.80   0.005     .0667601    .3770607
cw1000ongoing2014l1 |  -.1671607   .0900347    -1.86   0.063    -.3436255    .0093041
           peaceyrs |  -.0050793   .0167184    -0.30   0.761    -.0378468    .0276882
            _spline1 |   .0000476   .0000702     0.68   0.498    -.0000901    .0001852
            _spline2 |  -.0000294   .0000357    -0.82   0.411    -.0000994    .0000407
            _spline3 |   4.18e-06   4.51e-06     0.93   0.354    -4.67e-06     .000013
               _cons |  -3.287795   .2816525   -11.67   0.000    -3.839824   -2.735766
------------------------------------------------------------------------------

. drawnorm MF_b1-MF_b16, n(10000) means(e(b)) cov(e(V)) clear
(obs 10,000)

. postfile mypost prob_hat0 lo0 hi0 prob_hat1 lo1 hi1 diff_hat diff_lo diff_hi using sim ,
replace

. noisily display "start"
start

. local a=0

. while `a' <= 13 {
  2. quietly display "got here"
  3. quietly {
  4. scalar h_abdinstfirc10=0
  5. scalar h_lnpec4_fill=6.35
  6. scalar h_abdleaderfirc10=0
  7. scalar h_abdrestleadfirc10=0
  8. scalar h_lntpop4_banks=8.46
  9. scalar h_mountainous=.20
 10. scalar h_newstate=0
 11. scalar h_democracy=0
 12. scalar h_losewar10=0
 13. scalar h_cw1000ongoing2014l1=0
 14. scalar h_peaceyrs=34.62
 15. scalar h__spline1=-48594.92
 16. scalar h__spline2=-96317.66
 17. scalar h__spline3=-138300.70
 18. scalar h_constant=1
 19. generate x_betahat0 = MF_b1*h_abdinstfirc10 + MF_b2*(`a') + MF_b3*h_abdinstfirc10*(`a') +
MF_b4*h_abdleaderfirc10 + MF_b5*h_abdrestleadfirc10 + MF_b6*h_lntpop4_banks + MF_b7*h_mountainous
```

```
+ MF_b8*h_newstate + MF_b9*h_democracy + MF_b10*h_losewar10 + MF_b11*h_cw1000ongoing2014l1 +
MF_b12*h_peaceyrs + MF_b13*h__spline1 + MF_b14*h__spline2 + MF_b15*h__spline3 + MF_b16*h_constant
 20. generate x_betahat1 = MF_b1*(h_abdinstfirc10 + 1) + MF_b2*(`a') + MF_b3*(h_abdinstfirc10 +
1)*(`a') + MF_b4*h_abdleaderfirc10 + MF_b5*h_abdrestleadfirc10 + MF_b6*h_lntpop4_banks +
MF_b7*h_mountainous + MF_b8*h_newstate + MF_b9*h_democracy + MF_b10*h_losewar10 +
MF_b11*h_cw1000ongoing2014l1 + MF_b12*h_peaceyrs + MF_b13*h__spline1 + MF_b14*h__spline2 +
MF_b15*h__spline3 + MF_b16*h_constant
 21. gen prob0=normal(x_betahat0)
 22. gen prob1=normal(x_betahat1)
 23. gen diff=prob1-prob0
 24. egen probhat0=mean(prob0)
 25. egen probhat1=mean(prob1)
 26. egen diffhat=mean(diff)
 27. tempname prob_hat0 lo0 hi0 prob_hat1 lo1 hi1 diff_hat diff_lo diff_hi
 28. _pctile prob0, p(2.5,97.5)
 29. scalar `lo0' = r(r1)
 30. scalar `hi0' = r(r2)
 31. _pctile prob1, p(2.5,97.5)
 32. scalar `lo1'= r(r1)
 33. scalar `hi1'= r(r2)
 34. _pctile diff, p(2.5,97.5)
 35. scalar `diff_lo'= r(r1)
 36. scalar `diff_hi'= r(r2)
 37. scalar `prob_hat0'=probhat0
 38. scalar `prob_hat1'=probhat1
 39. scalar `diff_hat'=diffhat
 40. post mypost (`prob_hat0') (`lo0') (`hi0') (`prob_hat1') (`lo1') (`hi1') (`diff_hat')
(`diff_lo') (`diff_hi')
 41. }
 42. drop x_betahat0 x_betahat1 prob0 prob1 diff probhat0 probhat1 diffhat
 43. local a=`a'+ 1
 44. display "." _c
 45. }
.................
. display ""

. postclose mypost

. use sim, clear

. gen MV = 0

. replace MV = 1 in 2
(1 real change made)

. replace MV = 2 in 3
(1 real change made)

. replace MV = 3 in 4
(1 real change made)

. replace MV = 4 in 5
(1 real change made)

. replace MV = 5 in 6
(1 real change made)

. replace MV = 6 in 7
(1 real change made)

. replace MV = 7 in 8
(1 real change made)

. replace MV = 8 in 9
(1 real change made)

. replace MV = 9 in 10
(1 real change made)

. replace MV = 10 in 11
(1 real change made)

. replace MV = 11 in 12
```

```
(1 real change made)

. replace MV = 12 in 13
(1 real change made)

graph twoway line diff_hat MV, clwidth(medium) clcolor(blue) clcolor(black) lwidth(vthick) ||
line diff_lo  MV, clpattern(dash) clwidth(thin) clcolor(black) lwidth(vthick) || line diff_hi
MV, clpattern(dash) clwidth(thin) clcolor(black) lwidth(vthick) ||  , xlabel(0 2 4 6 8 10 12 14,
labsize(3)) ylabel(-.03 0 .03 .06 .09 .12 .15 .18, labsize(3)) yscale(line) xscale(line)
legend(off) yline(0, lcolor(black)) xtitle(Log of Energy Consumption, size(3.5)) ytitle(Marginal
Effect of Institutional FIRC, size(3.5)) xsca(titlegap(2)) ysca(titlegap(2)) scheme(s2mono)
graphregion(fcolor(white))
```

FIGURE 3.6. THE EFFECT OF INSTITUTIONAL REGIME CHANGE ON CIVIL WAR ONSET CONTINGENT ON THE TARGET'S LEVEL OF ETHNOLINGUISTIC FRACTIONALIZATION

```
probit cw1000on2014 abdinstfirc10 elfroeder abdinstfirc10elf abdleaderfirc10 abdrestleadfirc10
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode)

Iteration 0:   log pseudolikelihood = -862.89384
Iteration 1:   log pseudolikelihood = -782.34365
Iteration 2:   log pseudolikelihood = -772.16744
Iteration 3:   log pseudolikelihood =  -772.1415
Iteration 4:   log pseudolikelihood =  -772.1415

Probit regression                                 Number of obs     =      9,863
                                                  Wald chi2(16)     =     281.27
                                                  Prob > chi2       =     0.0000
Log pseudolikelihood =  -772.1415                 Pseudo R2         =     0.1052

                                    (Std. Err. adjusted for 176 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  abdinstfirc10 |  -.4029271    .371709    -1.08   0.278    -1.131463    .3256092
      elfroeder |   .2015622   .1035592     1.95   0.052    -.0014101    .4045346
 abdinstfirc10elf |   1.475224   .6086849     2.42   0.015     .2822235    2.668224
  abdleaderfirc10 |   .6179958    .102178     6.05   0.000     .4177307     .818261
abdrestleadfirc10 |   .0107698   .3448296     0.03   0.975    -.6650838    .6866233
    lnpec4_fill |  -.0445606   .0134257    -3.32   0.001    -.0708745   -.0182466
  lntpop4_banks |   .2013816   .0250098     8.05   0.000     .1523632    .2503999
    mountainous |  -.0383858   .1627691    -0.24   0.814    -.3574073    .2806357
       newstate |   .6225576   .2048546     3.04   0.002     .2210499    1.024065
      democracy |  -.3251272   .0842868    -3.86   0.000    -.4903264   -.1599281
      losewar10 |   .3413802   .1098099     3.11   0.002     .1261569    .5566036
cw1000ongoing2014l1 |  -.1186937   .1221754    -0.97   0.331     -.358153    .1207655
       peaceyrs |   .0150301   .0211682     0.71   0.478    -.0264587     .056519
        _spline1 |   .0000986   .0000968     1.02   0.309    -.0000912    .0002884
        _spline2 |  -.0000518   .0000504    -1.03   0.304    -.0001506     .000047
        _spline3 |   5.36e-06   6.31e-06     0.85   0.396    -7.00e-06    .0000177
           _cons |  -3.666754   .2544218   -14.41   0.000    -4.165412   -3.168097
------------------------------------------------------------------------------

. drawnorm MF_b1-MF_b17, n(10000) means(e(b)) cov(e(V)) clear
(obs 10,000)

. postfile mypost prob_hat0 lo0 hi0 prob_hat1 lo1 hi1 diff_hat diff_lo diff_hi using sim ,
replace

. noisily display "start"
start

. local a=0

. while `a' <= .75 {
  2. quietly display "got here"
  3. quietly {
  4. scalar h_abdinstfirc10=0
  5. scalar h_elfroeder=.392
  6. scalar h_abdleaderfirc10=0
  7. scalar h_abdrestleadfirc10=0
  8. scalar h_lnpec4_fill=6.35
  9. scalar h_lntpop4_banks=8.46
 10. scalar h_mountainous=.20
 11. scalar h_newstate=0
 12. scalar h_democracy=0
 13. scalar h_losewar10=0
 14. scalar h_cw1000ongoing2014l1=0
 15. scalar h_peaceyrs=34.62
 16. scalar h__spline1=-48594.92
 17. scalar h__spline2=-96317.66
 18. scalar h__spline3=-138300.70
 19. scalar h_constant=1
```

```
 20. generate x_betahat0 = MF_b1*h_abdinstfirc10 + MF_b2*(`a') + MF_b3*h_abdinstfirc10*(`a') +
MF_b4*h_abdleaderfirc10 + MF_b5*h_abdrestleadfirc10 + MF_b6*h_lnpec4_fill + MF_b7*h_lntpop4_banks
+ MF_b8*h_mountainous + MF_b9*h_newstate + MF_b10*h_democracy + MF_b11*h_losewar10 +
MF_b12*h_cw1000ongoing2014l1 + MF_b13*h_peaceyrs + MF_b14*h__spline1 + MF_b15*h__spline2 +
MF_b16*h__spline3 + MF_b17*h_constant
 21. generate x_betahat1 = MF_b1*(h_abdinstfirc10 + 1) + MF_b2*(`a') + MF_b3*(h_abdinstfirc10 +
1)*(`a') + MF_b4*h_abdleaderfirc10 + MF_b5*h_abdrestleadfirc10 + MF_b6*h_lnpec4_fill +
MF_b7*h_lntpop4_banks + MF_b8*h_mountainous + MF_b9*h_newstate + MF_b10*h_democracy +
MF_b11*h_losewar10 + MF_b12*h_cw1000ongoing2014l1 + MF_b13*h_peaceyrs + MF_b14*h__spline1 +
MF_b15*h__spline2 + MF_b16*h__spline3 + MF_b17*h_constant
 22. gen prob0=normal(x_betahat0)
 23. gen prob1=normal(x_betahat1)
 24. gen diff=prob1-prob0
 25. egen probhat0=mean(prob0)
 26. egen probhat1=mean(prob1)
 27. egen diffhat=mean(diff)
 28. tempname prob_hat0 lo0 hi0 prob_hat1 lo1 hi1 diff_hat diff_lo diff_hi
 29. _pctile prob0, p(2.5,97.5)
 30. scalar `lo0' = r(r1)
 31. scalar `hi0' = r(r2)
 32. _pctile prob1, p(2.5,97.5)
 33. scalar `lo1'= r(r1)
 34. scalar `hi1'= r(r2)
 35. _pctile diff, p(2.5,97.5)
 36. scalar `diff_lo'= r(r1)
 37. scalar `diff_hi'= r(r2)
 38. scalar `prob_hat0'=probhat0
 39. scalar `prob_hat1'=probhat1
 40. scalar `diff_hat'=diffhat
 41. post mypost (`prob_hat0') (`lo0') (`hi0') (`prob_hat1') (`lo1') (`hi1') (`diff_hat')
(`diff_lo') (`diff_hi')
 42. }
 43. drop x_betahat0 x_betahat1 prob0 prob1 diff probhat0 probhat1 diffhat
 44. local a=`a'+ .05
 45. display "." _c
 46. }
.............
. display ""

. postclose mypost

. use sim, clear

. gen MV = 0

. replace MV = .05 in 2
(1 real change made)

. replace MV = .1 in 3
(1 real change made)

. replace MV = .15 in 4
(1 real change made)

. replace MV = .2 in 5
(1 real change made)

. replace MV = .25 in 6
(1 real change made)

. replace MV = .3 in 7
(1 real change made)

. replace MV = .35 in 8
(1 real change made)

. replace MV = .4 in 9
(1 real change made)

. replace MV = .45 in 10
(1 real change made)

. replace MV = .5 in 11
```

```
(1 real change made)

. replace MV = .55 in 12
(1 real change made)

. replace MV = .6 in 13
(1 real change made)

. replace MV = .65 in 14
(1 real change made)

. replace MV = .7 in 15
(1 real change made)

graph twoway line diff_hat MV, clwidth(medium) clcolor(blue) clcolor(black) lwidth(vthick) ||
line diff_lo  MV, clpattern(dash) clwidth(thin) clcolor(black) lwidth(vthick) || line diff_hi
MV, clpattern(dash) clwidth(thin) clcolor(black) lwidth(vthick) ||  ,
xlabel(0 .1 .2 .3 .4 .5 .6 .7, labsize(3)) ylabel(-.03 0 .03 .06 .09 .12 .15, labsize(3))
yscale(line) xscale(line) legend(off) yline(0, lcolor(black)) xtitle(Ethno-Linguistic
Fractionalization, size(3.5)) ytitle(Marginal Effect of Institutional FIRC, size(3.5))
xsca(titlegap(2)) ysca(titlegap(2)) scheme(s2mono) graphregion(fcolor(white))
```

CODE FOR FIGURE 3.7. THE EFFECT OF REGIME CHANGE ON CIVIL WAR ONSET CONTINGENT ON TARGET CONCURRENTLY LOSING AN INTERSTATE WAR

```
estsimp probit cw1000on2014 abdfirctarg10 lnpec4_fill losewar10 abdfirc10lose lntpop4_banks
mountainous newstate democracy cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1345.8721
Iteration 2:   log pseudolikelihood = -1333.5084
Iteration 3:   log pseudolikelihood = -1333.2527
Iteration 4:   log pseudolikelihood = -1333.2523

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(13)   =     295.31
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1333.2523                 Pseudo R2       =     0.1041

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdfircta~10 |   .3828754    .108021     3.54   0.000     .1711582    .5945926
 lnpec4_fill |  -.0433782   .0116132    -3.74   0.000    -.0661397   -.0206168
   losewar10 |   .2379873   .0864425     2.75   0.006      .068563    .4074116
abdfirc10l~e |  -.0594626   .1591426    -0.37   0.709    -.3713765    .2524512
lntpop4_ba~s |   .1877692     .02903     6.47   0.000     .1308714    .2446671
 mountainous |   .1270706   .1537657     0.83   0.409    -.1743047    .4284458
    newstate |   .3289931   .1927552     1.71   0.088    -.0488001    .7067863
   democracy |  -.3401399   .0711994    -4.78   0.000    -.4796881   -.2005916
cw1000ongo~1 |  -.1417855   .0898677    -1.58   0.115    -.3179229    .0343519
    peaceyrs |  -.0062736   .0164631    -0.38   0.703    -.0385406    .0259935
    _spline1 |   .0000477   .0000695     0.69   0.493    -.0000885     .000184
    _spline2 |  -.0000305   .0000355    -0.86   0.391       -.0001    .0000391
    _spline3 |   4.70e-06   4.53e-06     1.04   0.299    -4.18e-06    .0000136
       _cons |  -3.249375   .2741645   -11.85   0.000    -3.786727   -2.712022
------------------------------------------------------------------------------

setx abdfirctarg10 0 lnpec4_fill mean losewar10 0 abdfirc10lose 0 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .015498     .0017956     .0123045    .0193215

setx abdfirctarg10 1 lnpec4_fill mean losewar10 0 abdfirc10lose 0 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .039447     .0091502      .024964    .0618091

simqi, fd(prval(1)) changex(abdfirctarg10 0 1)

First Difference: abdfirctarg10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |    .023949     .0090544     .0094329    .0458563

setx abdfirctarg10 0 lnpec4_fill mean losewar10 1 abdfirc10lose 0 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean
```

```
simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0278301     .0051512     .0189589    .0390335

simqi, fd(prval(1)) changex(losewar10 0 1)

First Difference: losewar10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0123321     .0051233     .0033529    .0232003

setx abdfirctarg10 1 lnpec4_fill mean losewar10 1 abdfirc10lose 1 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |    .056351     .0117023     .0368854    .0828456

simqi, fd(prval(1)) changex(abdfirctarg10 0 1 losewar10 0 1 abdfirc10lose 0 1)

First Difference: abdfirctarg10 0 1 losewar10 0 1 abdfirc10lose 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |    .040853     .0113307     .0215382    .0665771

setx abdfirctarg10 1 lnpec4_fill mean losewar10 0 abdfirc10lose 0 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean

simqi, fd(prval(1)) changex(losewar10 0 1 abdfirc10lose 0 1)

First Difference: losewar10 0 1 abdfirc10lose 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0169039     .0141298    -.0097198    .0460239

setx abdfirctarg10 0 lnpec4_fill mean losewar10 1 abdfirc10lose 0 lntpop4_banks mean mountainous
mean newstate 0 democracy 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2 mean
_spline3 mean

simqi, fd(prval(1)) changex(abdfirctarg10 0 1 abdfirc10lose 0 1)

First Difference: abdfirctarg10 0 1 abdfirc10lose 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0285209     .0122446     .0064884    .0552122



twoway (bar mean fftype, fcolor(gray) lcolor(black)) (rcap upper lower fftype), legend(order(1
"Marginal Effect" 2 "95% CI")) xlabel(0 "Both=0" 1.5 "Regime Change=1" 3 "Lose War=1" 4.5
"Both=1", noticks) ylabel(0 .01 .02 .03 .04 .05 .06 .07 .08 .09) ytitle(Probability of Civil War
Onset) xtitle("") legend(on)
```

ROBUSTNESS CHECKS

1. Alternative Measures of Economic Development and Regime Type

Table 3.1R. Probit Estimates of Civil War Onset with Alternative Measures of Economic Development and Regime Type

	(1)	(2)	(3)	(4)	(5)
lninc	-0.21***				
	(0.04)				
lnycap		-0.19***			
		(0.05)			
lnirst4_fill			-0.08***		
			(0.01)		
lncinc4				-0.84	
				(0.82)	
vandemoc					-0.22**
					(0.08)
abdleaderfirc10	0.52***	0.52***	0.52***	0.48***	0.49***
	(0.09)	(0.09)	(0.07)	(0.09)	(0.10)
abdinstfirc10	0.05	0.10	0.17	0.09	0.01
	(0.38)	(0.38)	(0.27)	(0.27)	(0.37)
abdrestleadfirc10	-0.01	-0.22	-0.12	-0.12	0.04
	(0.27)	(0.25)	(0.25)	(0.25)	(0.29)
lntpop4_banks	0.12***	0.13***	0.22***	0.14***	0.19***
	(0.02)	(0.02)	(0.03)	(0.02)	(0.03)
mountainous	0.18	0.33+	0.21	0.32*	0.05
	(0.18)	(0.18)	(0.15)	(0.16)	(0.17)
newstate	0.08	0.31	0.31	0.34+	0.26
	(0.20)	(0.22)	(0.20)	(0.20)	(0.20)
democracy	-0.26***	-0.25***	-0.32***	-0.46***	
	(0.07)	(0.07)	(0.07)	(0.07)	
losewar10	0.12	0.18*	0.24**	0.30***	0.18*
	(0.08)	(0.09)	(0.09)	(0.07)	(0.08)
cw1000ongo~1	-0.26**	-0.15	-0.26**	-0.17+	-0.14
	(0.10)	(0.12)	(0.09)	(0.09)	(0.09)
peaceyrs	-0.03	-0.01	-0.01	-0.01	-0.01
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
_spline1	-0.00	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline2	0.00	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline3	0.00	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
lnpec4_fill					-0.05***
					(0.01)
_cons	-1.22***	-1.56***	-3.64***	-3.05***	-3.15***
	(0.35)	(0.40)	(0.32)	(0.25)	(0.28)
N	12368	11138	15159	14063	12671
pseudo R-sq	0.100	0.099	0.117	0.101	0.099

Standard errors in parentheses; + p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.1R

```
eststo M1: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lninc
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M2: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnycap
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M3: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnirst4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M4: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lncinc4
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M5: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate vandemoc losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

esttab M1 M2 M3 M4 M5 using altvars.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(lninc lnycap lnirst4_fill lncinc4 vandemoc)
```

2. Effect of FIRC in Recent Time Periods (see models 5-9 in Table 3.2)

- **Post-1920**
- **Post-1945**
- **Post-1960**

3. Limiting the Sample to States that Experienced Regime Change

Table 3.2R. Probit Models of Civil War Onset, Including only States that Experienced FIRC at Some Point from 1816 to 2007

	(1) 1816-2007	(2) 1816-2007	(3) 1946-2007	(4) 1946-2007
abdfirctarg10	0.34***		0.30*	
	(0.09)		(0.15)	
abdleaderfirc10		0.55***		0.60***
		(0.09)		(0.15)
abdinstfirc10		0.10		-0.15
		(0.24)		(0.25)
abdrestleadfirc10		-0.13		0.06
		(0.26)		(0.35)
lnpec4_fill	-0.02*	-0.03*	-0.06+	-0.05+
	(0.01)	(0.01)	(0.03)	(0.03)
lntpop4_banks	0.15***	0.16***	0.21***	0.21***
	(0.03)	(0.03)	(0.06)	(0.06)
mountainous	0.13	0.01	-0.79*	-0.87**
	(0.22)	(0.21)	(0.33)	(0.33)
newstate	-0.06	-0.08	-0.13	-0.12
	(0.34)	(0.33)	(0.40)	(0.40)
democracy	-0.44***	-0.44***	-0.46*	-0.45**
	(0.12)	(0.12)	(0.18)	(0.17)
losewar10	0.22*	0.20+	0.11	0.19
	(0.10)	(0.11)	(0.17)	(0.15)
cw1000ongo~1	-0.18	-0.22+	-0.17	-0.26
	(0.13)	(0.13)	(0.18)	(0.19)
peaceyrs	-0.01	-0.01	0.02	0.02
	(0.02)	(0.02)	(0.04)	(0.04)
_spline1	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)
_spline2	-0.00	-0.00	-0.00+	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)
_spline3	0.00*	0.00*	0.00*	0.00*
	(0.00)	(0.00)	(0.00)	(0.00)
_cons	-2.98***	-3.02***	-3.14***	-3.22***
	(0.39)	(0.40)	(0.53)	(0.56)
N	6543	6543	2860	2860
pseudo R-sq	0.104	0.114	0.123	0.138

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.2R

```
eststo M1: probit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3 if fircstate==1,
robust cluster(ccode)

eststo M2: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if fircstate==1, robust cluster(ccode)

eststo M3: probit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3 if fircstate==1 &
year>1945, robust cluster(ccode)

eststo M4: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if fircstate==1 & year>1945, robust cluster(ccode)

esttab M1 M2 M3 M4 using fircstate.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctarg10 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10)
```

Table 3.3R. Probit Models of Types of Regime Change and Civil War Onset, FIRC Targets Only (DV: Civil War Occurs within 10 Years)

	(1)
abdleaderfirc	1.82**
	(0.62)
abdinstfirc	0.98
	(0.77)
lnpec4_fill	-0.17*
	(0.08)
lntpop4_banks	0.62***
	(0.18)
mountainous	-0.52
	(1.11)
newstate	-0.23
	(0.70)
losewar10	-0.21
	(0.38)
cw1000ongo~1	0.11
	(0.46)
_cons	-5.85***
	(1.60)
N	111
pseudo R-sq	0.289

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001
Note: Reference category is Restoration FIRC.

Code for Table 3.3R

```
eststo M1: probit civwar10_2014 abdleaderfirc abdinstfirc lnpec4_fill lntpop4_banks mountainous
newstate losewar10 cw1000ongoing2014l1 if abdfirctarg==1, robust cluster(ccode)

esttab M1 using fircstate2.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdleaderfirc abdinstfirc)
```

4. Rare Events Logit

Table 3.4R. Relogit Estimates of Civil War Onset

	(1) 1816-2007	(2) 1816-2007	(3) 1946-2007
abdfirctarg10	0.84***		
	(0.18)		
abdleaderfirc10		1.23***	1.45***
		(0.20)	(0.32)
abdinstfirc10		0.47	-0.02
		(0.52)	(0.72)
abdrestleadfirc10		-0.24	0.38
		(0.52)	(0.64)
lnpec4_fill	-0.09***	-0.09***	-0.12**
	(0.02)	(0.02)	(0.04)
lntpop4_banks	0.40***	0.41***	0.49***
	(0.03)	(0.03)	(0.07)
mountainous	0.32	0.22	-0.22
	(0.31)	(0.32)	(0.47)
newstate	0.76*	0.79*	1.40**
	(0.36)	(0.36)	(0.52)
democracy	-0.86***	-0.84***	-0.83***
	(0.20)	(0.20)	(0.24)
losewar10	0.49**	0.47**	0.82*
	(0.17)	(0.17)	(0.33)
cw1000ongo~1	-0.33	-0.37+	-0.31
	(0.20)	(0.21)	(0.33)
peaceyrs	-0.02	-0.01	0.07
	(0.03)	(0.03)	(0.06)
_spline1	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)
_spline2	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)
_spline3	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)
_cons	-6.44***	-6.51***	-7.58***
	(0.36)	(0.36)	(0.63)
N	14909	14909	8694
pseudo R-sq			

Standard errors in parentheses; + p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.4R

```
eststo M1: relogit cw1000on2014 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3

eststo M2: relogit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3

eststo M3: relogit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if year>1945

esttab M1 M2 M3 using relogitfirc.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctarg10 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10)
```

5. Varying Treatment Effects

- **Five-Year Treatment Effect (see Table 3.2A above)**
- **Indefinite Treatment Effect for Regime Change**

Table 3.5R. Probit Estimates of Civil War Onset, Indefinite Treatment Effect

	(1)	(2)
	1816-2007	1816-2007
abdfircperm	0.22***	
	(0.06)	
abdleaderfircperm		0.27***
		(0.06)
abdinstfircperm		0.01
		(0.13)
abdrestleadfircperm		-0.07
		(0.12)
lnpec4_fill	-0.05***	-0.05***
	(0.01)	(0.01)
lntpop4_ba~s	0.18***	0.18***
	(0.03)	(0.03)
mountainous	0.08	0.04
	(0.16)	(0.17)
newstate	0.36+	0.35+
	(0.19)	(0.19)
democracy	-0.34***	-0.34***
	(0.07)	(0.07)
losewar10	0.28***	0.30***
	(0.07)	(0.07)
cw1000ongo~1	-0.12	-0.13
	(0.09)	(0.09)
peaceyrs	-0.01	-0.01
	(0.02)	(0.02)
_spline1	0.00	0.00
	(0.00)	(0.00)
_spline2	-0.00	-0.00
	(0.00)	(0.00)
_spline3	0.00	0.00
	(0.00)	(0.00)
_cons	-3.22***	-3.20***
	(0.27)	(0.28)
N	14909	14909
pseudo R-sq	0.103	0.105

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.5R

```
eststo M1: probit cw1000on2014 fircfwdnew lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode)

eststo M2: probit cw1000on2014 leaderfircfwdnew instfircfwdnew restleadfircfwdnew lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

esttab M1 M2 using fircever.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(fircfwdnew leaderfircfwdnew instfircfwdnew restleadfircfwdnew)
```

6. Excluding Potentially Influential Cases

A. Sequentially Dropping Countries with Multiple FIRCs followed by Civil Wars

Table 3.6Ra. Probit Estimates of Civil War Onset, Excluding Countries with Multiple FIRCs

	(1) No Afghanistan	(2) No DRC	(3) No China	(4) No Indonesia	(5) No Mexico
abdleaderfirc10	0.56***	0.53***	0.53***	0.53***	0.55***
	(0.09)	(0.08)	(0.08)	(0.08)	(0.09)
abdinstfirc10	0.10	0.14	0.14	0.14	0.14
	(0.28)	(0.23)	(0.24)	(0.23)	(0.24)
abdrestlead10	-0.13	-0.14	-0.16	-0.14	-0.13
	(0.26)	(0.27)	(0.28)	(0.26)	(0.26)
lnpec4_fill	-0.04***	-0.04***	-0.06***	-0.04***	-0.04***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
lntpop4_banks	0.19***	0.19***	0.23***	0.19***	0.19***
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
mountainous	0.08	0.12	0.12	0.10	0.07
	(0.16)	(0.16)	(0.17)	(0.16)	(0.16)
newstate	0.33+	0.31	0.36+	0.33+	0.37+
	(0.20)	(0.20)	(0.20)	(0.20)	(0.20)
democracy	-0.34***	-0.33***	-0.33***	-0.35***	-0.34***
	(0.07)	(0.07)	(0.07)	(0.07)	(0.07)
losewar10	0.18*	0.22**	0.24**	0.22**	0.22**
	(0.08)	(0.08)	(0.08)	(0.08)	(0.08)
cw1000ongo~1	-0.13	-0.17+	-0.17+	-0.16+	-0.13
	(0.09)	(0.09)	(0.10)	(0.09)	(0.09)
peaceyrs	-0.00	-0.00	-0.00	-0.01	-0.01
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
_spline1	0.00	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline2	-0.00	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_spline3	0.00	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
_cons	-3.26***	-3.26***	-3.56***	-3.23***	-3.29***
	(0.28)	(0.28)	(0.31)	(0.27)	(0.28)
N	14717	14861	14717	14846	14722
pseudo R-sq	0.107	0.107	0.103	0.107	0.107

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.6Ra

```
eststo M1: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if ccode~=700, robust cluster(ccode)

eststo M2: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if ccode~=490, robust cluster(ccode)

eststo M3: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if ccode~=710, robust cluster(ccode)

eststo M4: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if ccode~=850, robust cluster(ccode)

eststo M5: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3 if ccode~=70, robust cluster(ccode)

esttab M1 M2 M3 M4 M5 using drop.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdleaderfirc10 abdinstfirc10 abdrestleadfirc10)
```

B. Alternative Coding Scheme to Account for Countries with Multiple Civil Wars after FIRC

- **FIRC coded 1 only in year it occurred**
- **DV = Civil war occurred within 10 years**

Table 3.6Rb. Probit Estimates of Civil War Onset, 1816-2007

	(1)	(2)
abdfirctarg	0.46**	
	(0.14)	
abdleaderfirc		0.87***
		(0.20)
abdinstfirc		0.12
		(0.39)
abdrestleadfirc		-0.39
		(0.35)
lnpec4_fill	-0.10***	-0.10***
	(0.02)	(0.02)
lntpop4_banks	0.32***	0.32***
	(0.04)	(0.04)
mountainous	0.11	0.10
	(0.26)	(0.26)
newstate	0.08	0.08
	(0.13)	(0.13)
democracy	-0.57***	-0.57***
	(0.12)	(0.12)
losewar	0.24+	0.19
	(0.13)	(0.14)
_cons	-3.07***	-3.07***
	(0.32)	(0.32)
N	14909	14909
pseudo R-sq	0.134	0.135

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

C. Covert Regime Changes Omitted

Table 3.6Rc. Probit Estimates of Civil War Onset, Covert FIRCs Omitted

	(1)
abdleader10firc-nocov	0.52***
	(0.09)
abdinstfirc10	0.13
	(0.23)
abdrestleadfirc10-nocov	-0.13
	(0.27)
lnpec4_fill	-0.04***
	(0.01)
lntpop4_banks	0.19***
	(0.03)
mountainous	0.09
	(0.16)
newstate	0.34+
	(0.19)
democracy	-0.34***
	(0.07)
losewar10	0.21*
	(0.08)
cw1000ongo~1	-0.14
	(0.09)
peaceyrs	-0.00
	(0.02)
_spline1	0.00
	(0.00)
_spline2	-0.00
	(0.00)
_spline3	0.00
	(0.00)
_cons	-3.25***
	(0.28)
N	14909
pseudo R-sq	0.106

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 5.7R

```
eststo M1: probit cw1000on2014 abdleaderfirc10nocov abdinstfirc10 abdrestleadfirc10nocov
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode)

esttab M1 using nocov.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdleaderfirc10nocov abdinstfirc10 abdrestleadfirc10nocov)
```

D. German and Italian Leadership Regime Changes in World War II Omitted

Table 3.6Rd. Probit Estimates of Civil War Onset, German and Italian FIRCs between 1939 and 1945 Excluded

	(1)
abdleader10firc-noww2	0.52***
	(0.09)
abdinstfirc10	0.12
	(0.24)
abdrestleadfirc10	-0.15
	(0.27)
lnpec4_fill	-0.04***
	(0.01)
lntpop4_banks	0.19***
	(0.03)
mountainous	0.11
	(0.15)
newstate	0.33+
	(0.19)
democracy	-0.34***
	(0.07)
losewar10	0.24**
	(0.08)
cw1000ongo~1	-0.15+
	(0.09)
peaceyrs	-0.01
	(0.02)
_spline1	0.00
	(0.00)
_spline2	-0.00
	(0.00)
_spline3	0.00
	(0.00)
_cons	-3.25***
	(0.28)
N	14909
pseudo R-sq	0.107

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.6Rd

```
eststo M1: probit cw1000on2014 abdleaderfirc10noww2 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

esttab M1 using noww2.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdleaderfirc10noww2 abdinstfirc10 abdrestleadfirc10)
```

7. Endogeneity: Dropping Cases of Civil War that Begin in Same Year FIRC Occurred

```
list ccode2 abbrev year if abdfirctarg==1 & cw1000on2014==1
```

	ccode2	abbrev	year
1183.	70	MEX	1914
1903.	93	NIC	1926
2946.	135	PER	1882
3789.	155	CHL	1973
6648.	310	HUN	1919
7569.	345	YUG	1941
7785.	350	GRC	1941
7867.	352	CYP	1974
10409.	484	CON	1997
10421.	490	DRC	1960
13385.	700	AFG	1879
13717.	710	CHN	1928
13969.	730	KOR	1907
15095.	811	CAM	1979

Table 3.7R. Tests for Endogeneity

	(1)	(2)	(3)	(4)
	6 Cases Dropped	14 Cases Dropped	6 Cases Dropped	14 Cases Dropped
abdfirctarg10	0.28***	0.19*		
	(0.08)	(0.09)		
abdleaderfirc10			0.48***	0.36***
			(0.08)	(0.09)
abdinstfirc10			-0.00	0.00
			(0.19)	(0.19)
abdrestleadfirc10			-0.29	-0.44+
			(0.22)	(0.25)
lnpec4_fill	-0.04***	-0.04***	-0.05***	-0.05***
	(0.01)	(0.01)	(0.01)	(0.01)
lntpop4_banks	0.19***	0.19***	0.19***	0.19***
	(0.03)	(0.03)	(0.03)	(0.03)
mountainous	0.14	0.11	0.10	0.08
	(0.15)	(0.15)	(0.15)	(0.16)
newstate	0.26	0.23	0.27	0.24
	(0.20)	(0.20)	(0.20)	(0.20)
democracy	-0.33***	-0.31***	-0.32***	-0.31***
	(0.07)	(0.07)	(0.07)	(0.07)
losewar10	0.25***	0.22**	0.24**	0.22**
	(0.08)	(0.08)	(0.08)	(0.08)
cw1000ongoing-2014l1	-0.14	-0.13	-0.16+	-0.15
	(0.09)	(0.09)	(0.09)	(0.09)
peaceyrs	-0.01	-0.01	-0.00	-0.01
	(0.02)	(0.02)	(0.02)	(0.02)
_spline1	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)
_spline2	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)
_spline3	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)
_cons	-3.23***	-3.20***	-3.25***	-3.22***
	(0.28)	(0.28)	(0.29)	(0.28)
N	14909	14909	14909	14909
pseudo R-sq	0.102	0.098	0.107	0.102

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001
Note: Columns 1 and 3 drop six cases of civil war (highlighted in yellow on the preceding page) that started in the same year that FIRC occurred and either preceded the FIRC or were part of the FIRC. Columns 2 and 4 drop all fourteen cases of civil war that started in the same year that FIRC occurred, even if they began after regime change happened.

Code for Table 3.7R

```
eststo M1: probit dv_endog1 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode)

eststo M2: probit dv_endog2 abdfirctarg10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode)

eststo M3: probit dv_endog1 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M4: probit dv_endog2 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

esttab M1 M2 M3 M4 using endog.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctarg10 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10)
```

8. Testing the Effect of Military Occupation

Table 3.8Ra. The Effect of Military Occupation† on Civil War Onset, 1900-2010

	(1)	(2)
	cw1000on2014	cw1000on2014
abdfirctarg10	0.267**	
	(0.092)	
abdleaderfirc10		0.454***
		(0.089)
abdinstfirc10		-0.042
		(0.240)
abdrestleadfirc10		-0.172
		(0.265)
occ_wex	**0.288****	**0.282****
	(0.094)	**(0.094)**
lnpec4_fill	-0.047***	-0.048***
	(0.012)	(0.012)
lntpop4_banks	0.183***	0.184***
	(0.028)	(0.029)
mountainous	0.145	0.108
	(0.149)	(0.151)
newstate	0.382*	0.397*
	(0.174)	(0.177)
democracy	-0.343***	-0.342***
	(0.070)	(0.070)
losewar10	0.199*	0.193*
	(0.077)	(0.081)
peaceyrs	0.002	0.005
	(0.015)	(0.015)
_spline1	0.000	0.000
	(0.000)	(0.000)
_spline2	-0.000	-0.000
	(0.000)	(0.000)
_spline3	0.000	0.000
	(0.000)	(0.000)
_cons	-3.278***	-3.300***
	(0.263)	(0.267)
N	14909	14909
R-sq		

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001
† Occupation coding from Collard-Wexler (2013).

Code for Table 3.8R

```
eststo M1: probit cw1000on2014 abdfirctarg10 occ_wex lnpec4_fill lntpop4_banks mountainous
newstate democracy losewar10 peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode1)

eststo M2: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 occ_wex
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode1)

esttab M1 M2 using occ2.tab, se(3) b(3) r2(3) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctarg10 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 occ_wex)
```

Table 3.8Rb. The Effect of Military Occupation† on Civil War Onset, 1816-2010

	(1) cw1000on2014	(2) cw1000on2014
abdfirctarg10	0.231*	
	(0.097)	
abdleaderfirc10		0.422***
		(0.092)
abdinstfirc10		-0.069
		(0.238)
abdrestleadfirc10		-0.232
		(0.279)
occ_wexplus	**0.324*** **	**0.328*** **
	(0.095)	**(0.094)**
lnpec4_fill	-0.046***	-0.047***
	(0.012)	(0.012)
lntpop4_banks	0.181***	0.183***
	(0.028)	(0.028)
mountainous	0.147	0.111
	(0.150)	(0.152)
newstate	0.382*	0.397*
	(0.175)	(0.177)
democracy	-0.346***	-0.345***
	(0.071)	(0.071)
losewar10	0.189*	0.182*
	(0.078)	(0.081)
peaceyrs	0.002	0.005
	(0.015)	(0.015)
_spline1	0.000	0.000
	(0.000)	(0.000)
_spline2	-0.000	-0.000
	(0.000)	(0.000)
_spline3	0.000	0.000
	(0.000)	(0.000)
_cons	-3.274***	-3.296***
	(0.261)	(0.265)
N	14909	14909
pseudo R-sq	0.107	0.112

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001
† Occupation coding from Collard-Wexler (2013) plus additional cases before 1878 coded by Downes.

Code for Table 3.8Rb

```
eststo M1: probit cw1000on2014 abdfirctarg10 occ_wexplus lnpec4_fill lntpop4_banks mountainous
newstate democracy losewar10 peaceyrs _spline1 _spline2 _spline3, robust cluster(ccode1)

eststo M2: probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 occ_wexplus
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 peaceyrs _spline1 _spline2
_spline3, robust cluster(ccode1)

esttab M1 M2 using occ2.tab, se(3) b(3) r2(3) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctarg10 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 occ_wexplus)
```

9. The Effect of "Imposed" vs. "Non-Imposed" Leaders

In most cases, interveners both remove the old leader and install a new leader. In about 17 cases, however, interveners do not exert direct control over who takes power after FIRC. If interveners are choosing strategically and well, FIRCs where they choose the new leader ought to have a lower likelihood of civil war afterward than FIRCs where they don't. Analysis shows that this is true only for FIRCs overall; for leadership FIRCs (which comprise all cases where civil war occurred after a non-imposed FIRC) the difference is not significant.

```
tab cw1000on2014 abdfirctargimp10, col chi2
```

cw1000on20	abdfirctargimp10		
14	0	1	Total
0	14,956	834	15,790
	98.18	95.75	98.05
1	277	37	314
	1.82	4.25	1.95
Total	15,233	871	16,104
	100.00	100.00	100.00

Pearson chi2(1) = 25.4381 Pr = 0.000

```
tab cw1000on2014 abdfirctargnoimp10, col chi2
```

cw1000on20	abdfirctargnoimp10		
14	0	1	Total
0	15,651	139	15,790
	98.11	92.05	98.05
1	302	12	314
	1.89	7.95	1.95
Total	15,953	151	16,104
	100.00	100.00	100.00

Pearson chi2(1) = 28.6761 Pr = 0.000

```
tab cw1000on2014 abdleaderfircimp10, col chi2
```

cw1000on20	abdleaderfircimp10		
14	0	1	Total
0	15,408	382	15,790
	98.19	92.72	98.05
1	284	30	314
	1.81	7.28	1.95
Total	15,692	412	16,104
	100.00	100.00	100.00

Pearson chi2(1) = 62.8701 Pr = 0.000

```
tab cw1000on2014 abdleaderfircnoimp10, col chi2
```

cw1000on20	abdleaderfircnoimp10		
14	0	1	Total
0	15,664	126	15,790
	98.11	91.30	98.05
1	302	12	314
	1.89	8.70	1.95
Total	15,966	138	16,104
	100.00	100.00	100.00

Pearson chi2(1) = 33.1316 Pr = 0.000

Table 3.9R. Comparing the Effects of FIRCs Where Interveners Remove and Replace Leaders with FIRCs Where Interveners only Remove Leaders

	(1)	(2)	(3)
	cw1000on2014	cw1000on2014	cw1000on2014
abdfirctarggimp10	0.295**		
	(0.095)		
abdfirctargnooimp10	0.620***		
	(0.098)		
abdleaderfircimp10		0.520***	
		(0.095)	
abdleaderfircnoimp10		0.648***	
		(0.102)	
abdinstfircimp10			0.060
			(0.237)
abdinstfircnoimp10			0.000
			(.)
lnpec4_fill	-0.044***	-0.045***	-0.042***
	(0.012)	(0.012)	(0.012)
lntpop4_banks	0.188***	0.191***	0.177***
	(0.030)	(0.030)	(0.030)
mountainous	0.109	0.085	0.154
	(0.155)	(0.157)	(0.149)
newstate	0.331+	0.337+	0.309
	(0.193)	(0.195)	(0.189)
democracy	-0.340***	-0.340***	-0.342***
	(0.071)	(0.071)	(0.071)
losewar10	0.229**	0.212**	0.319***
	(0.079)	(0.078)	(0.078)
cw1000ongo~1	-0.138	-0.158+	-0.104
	(0.090)	(0.089)	(0.089)
peaceyrs	-0.006	-0.005	-0.008
	(0.016)	(0.017)	(0.016)
_spline1	0.000	0.000	0.000
	(0.000)	(0.000)	(0.000)
_spline2	-0.000	-0.000	-0.000
	(0.000)	(0.000)	(0.000)
_spline3	0.000	0.000	0.000
	(0.000)	(0.000)	(0.000)
_cons	-3.251***	-3.274***	-3.133***
	(0.282)	(0.282)	(0.276)
N	14909	14909	14907
R-sq			

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

T-test for equivalence of coefficients for overall FIRC variable reveals a significant difference:

```
test abdfirctargimp10 = abdfirctargnoimp10

 ( 1)  [cw1000on2014]abdfirctargimp10 - [cw1000on2014]abdfirctargnoimp10 = 0

           chi2(  1) =    6.66
         Prob > chi2 =    0.0099
```

All cases where civil war occurred after a FIRC with a non-imposed leader were leadership FIRCs. Compared to imposed leadership FIRCs, however, there is no difference:

```
test abdleaderfircimp10 = abdleaderfircnoimp10

 ( 1)  [cw1000on2014]abdleaderfircimp10 - [cw1000on2014]abdleaderfircnoimp10 = 0

           chi2(  1) =    1.07
         Prob > chi2 =    0.3015
```

Code for Table 3.9R

```
eststo M1: probit cw1000on2014 abdfirctargimp10 abdfirctargnoimp10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

eststo M2: probit cw1000on2014 abdleaderfircimp10 abdleaderfircnoimp10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

eststo M3: probit cw1000on2014 abdinstfircimp10 abdinstfircnoimp10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

esttab M1 M2 M3 using impnoimp.tab, se(3) b(3) r2(3) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(abdfirctargimp10 abdfirctargnoimp10 abdleaderfircimp10 abdleaderfircnoimp10
abdinstfircimp10 abdinstfircnoimp10)
```

EVIDENCE AGAINST SELECTION BIAS I

1. Attempted FIRCs vs. Successful FIRCs (Figure 3.10)

Table 3.10R. Successful versus Failed Foreign-Imposed Regime Changes and Civil War

	19	20	21	22
Regime Change	0.359***	–	0.362***	–
	(0.083)		(0.084)	
Failed Regime Change	0.067	0.004	–	–
	(0.105)	(0.095)		
Failed Covert Regime Change	–	–	0.021	0.060
			(0.162)	(0.159)
Leadership Regime Change	–	0.554***	–	0.556***
		(0.081)		(0.081)
Institutional Regime Change	–	0.141	–	0.136
		(0.234)		(0.235)
Restoration Regime Change	–	−0.138	–	−0.140
		(0.265)		(0.265)
Constant	−3.252***	−3.273***	−3.251***	−3.274***
	(0.274)	(0.279)	(0.275)	(0.281)
N	14,909	14,909	14,909	14,909
Log Pseudo-LL	−1333.215	−1326.030	−1333.306	−1325.960
Wald Chi²	311.36***	393.94***	308.06***	377.24***

Note: Robust standard errors clustered on country code in parentheses. All control variables from Table 3.2 are included but not shown. *** p < 0.001.

Code for Table 3.10R

```
probit cw1000on2014 abdfirctarg10 fircattempt10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 fircattempt10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

probit cw1000on2014 abdfirctarg10 lorcovfircfailbook10 lnpec4_fill lntpop4_banks mountainous
newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lorcovfircfailbook10
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)
```

MARGINAL EFFECTS FOR FIGURE 3.10

ALL FIRC, FAILED FIRC ATTEMPTS

```
probit cw1000on2014 abdfirctarg10 fircattempt10 lnpec4_fill lntpop4_banks mountainous newstate
democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1345.8808
Iteration 2:   log pseudolikelihood = -1333.2826
Iteration 3:   log pseudolikelihood =  -1333.215
Iteration 4:   log pseudolikelihood =  -1333.215

Probit regression                                 Number of obs     =     14,909
                                                  Wald chi2(13)     =     311.36
                                                  Prob > chi2       =     0.0000
Log pseudolikelihood =  -1333.215                 Pseudo R2         =     0.1041

                                      (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------------
                   |               Robust
       cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------------
      abdfirctarg10 |   .3588498   .0831698     4.31   0.000     .1958401    .5218595
      fircattempt10 |   .0667612   .1045988     0.64   0.523    -.1382487    .2717712
        lnpec4_fill |  -.0436169   .0116034    -3.76   0.000    -.0663591   -.0208747
      lntpop4_banks |   .1883384   .0289358     6.51   0.000     .1316253    .2450516
        mountainous |   .1288774   .1529271     0.84   0.399    -.1708543    .4286091
           newstate |   .3278538   .1925123     1.70   0.089    -.0494635     .705171
          democracy |  -.3398298   .0706241    -4.81   0.000    -.4782506   -.2014091
          losewar10 |   .2201158   .0772286     2.85   0.004     .0687505    .3714811
cw1000ongoing2014l1 |  -.1435569   .0896371    -1.60   0.109    -.3192423    .0321286
           peaceyrs |  -.0065865   .0163967    -0.40   0.688    -.0387235    .0255505
           _spline1 |   .0000456   .0000694     0.66   0.511    -.0000904    .0001816
           _spline2 |  -.0000293   .0000355    -0.82   0.410    -.0000989    .0000403
           _spline3 |   4.54e-06   4.58e-06     0.99   0.321    -4.43e-06    .0000135
              _cons |  -3.251933   .2739933   -11.87   0.000     -3.78895   -2.714916
------------------------------------------------------------------------------------
```

test abdfirctarg10 = fircattempt10

```
 ( 1)  [cw1000on2014]abdfirctarg10 - [cw1000on2014]fircattempt10 = 0

           chi2(  1) =    4.85
         Prob > chi2 =    0.0276
```

```
estsimp probit cw1000on2014 abdfirctarg10 fircattempt10 lnpec4_fill lntpop4_banks mountainous
newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3, robust
cluster(ccode2)

setx abdfirctarg10 0 fircattempt10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0155498     .0017099     .0123847     .019045

setx abdfirctarg10 1 fircattempt10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0365464      .007346     .0224186    .0529441
```

```
simqi, fd(prval(1)) changex(abdfirctarg10 0 1)

First Difference: abdfirctarg10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0209966      .006884     .0079469     .036244

setx abdfirctarg10 0 fircattempt10 1 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0185477     .0047707     .0109323    .0290076

simqi, fd(prval(1)) changex(fircattempt10 0 1)

First Difference: fircattempt10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0029979     .0047827    -.0048735    .0135145
```

LEADERSHIP FIRC, FAILED FIRC ATTEMPTS

```
probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 fircattempt10 lnpec4_fill
lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing20141 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1340.5365
Iteration 2:   log pseudolikelihood = -1326.1046
Iteration 3:   log pseudolikelihood = -1326.0299
Iteration 4:   log pseudolikelihood = -1326.0299

Probit regression                                 Number of obs     =     14,909
                                                  Wald chi2(15)     =     393.94
                                                  Prob > chi2       =     0.0000
Log pseudolikelihood = -1326.0299                 Pseudo R2         =     0.1089

                                    (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
                    |               Robust
       cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------------
    abdleaderfirc10 |   .5542735   .0805077     6.88   0.000     .3964813    .7120657
      abdinstfirc10 |   .1409054   .2342709     0.60   0.548    -.3182572    .6000679
  abdrestleadfirc10 |  -.1377034   .2651296    -0.52   0.603    -.6573478    .3819411
      fircattempt10 |   .0042294    .095035     0.04   0.965    -.1820358    .1904947
        lnpec4_fill |  -.0447011      .0117    -3.82   0.000    -.0676327   -.0217696
      lntpop4_banks |   .1908881   .0296142     6.45   0.000     .1328453    .2489308
        mountainous |   .0907199   .1555447     0.58   0.560    -.2141421    .3955819
           newstate |   .3343859   .1945557     1.72   0.086    -.0469362    .7157081
          democracy |  -.3390879   .0707697    -4.79   0.000     -.477794   -.2003817
          losewar10 |   .2090637   .0805158     2.60   0.009     .0512556    .3668718
cw1000ongoing20141 |  -.1606548   .0899451    -1.79   0.074    -.3369439    .0156343
           peaceyrs |  -.0046749   .0166665    -0.28   0.779    -.0373407    .0279909
           _spline1 |     .00005     .00007     0.71   0.475    -.0000872    .0001873
           _spline2 |  -.0000308   .0000357    -0.86   0.388    -.0001008    .0000391
           _spline3 |   4.43e-06   4.54e-06     0.97   0.330    -4.48e-06    .0000133
              _cons |  -3.273179   .2791242   -11.73   0.000    -3.820252   -2.726105
------------------------------------------------------------------------------
```

test abdleaderfirc10 = fircattempt10

```
 ( 1)  [cw1000on2014]abdleaderfirc10 - [cw1000on2014]fircattempt10 = 0

           chi2(  1) =   19.81
         Prob > chi2 =    0.0000

test abdinstfirc10 = fircattempt10

 ( 1)  [cw1000on2014]abdinstfirc10 - [cw1000on2014]fircattempt10 = 0

           chi2(  1) =    0.31
         Prob > chi2 =    0.5801

test abdrestleadfirc10 = fircattempt10

 ( 1)  [cw1000on2014]abdrestleadfirc10 - [cw1000on2014]fircattempt10 = 0

           chi2(  1) =    0.25
         Prob > chi2 =    0.6172
```

Target Countries that Experience Successful FIRCs Are Not More Predisposed to Civil War than Countries that Experience Failed FIRCs on Variables that Predict Civil War (Table 3.5 in the book)

```
ttest lnpec4_fill if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      32    5.396682    .7818207    4.422646    3.802148    6.991215
       1 |     111    4.736859     .384813    4.054257     3.97425    5.499468
---------+--------------------------------------------------------------------
combined |     143    4.884512     .345593    4.132691     4.20134    5.567684
---------+--------------------------------------------------------------------
    diff |            .6598225    .8302879               -.9815999    2.301245
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.7947
Ho: diff = 0                                     degrees of freedom =      141

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.7859         Pr(|T| > |t|) = 0.4281          Pr(T > t) = 0.2141

ttest lntpop4_banks if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      32    8.474113    .3406551    1.927036    7.779342    9.168883
       1 |     111     8.01279    .1547946    1.630862    7.706024    8.319557
---------+--------------------------------------------------------------------
combined |     143    8.116023    .1426094     1.70536    7.834111    8.397935
---------+--------------------------------------------------------------------
    diff |            .4613224    .3411809               -.2131689    1.135814
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.3521
Ho: diff = 0                                     degrees of freedom =      141

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9108         Pr(|T| > |t|) = 0.1785          Pr(T > t) = 0.0892

ttest newstate if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      32      .03125      .03125    .1767767   -.0324848    .0949848
       1 |     112    .0446429    .0196019    .2074466    .0058005    .0834853
---------+--------------------------------------------------------------------
combined |     144    .0416667    .0167103    .2005238    .0086355    .0746978
---------+--------------------------------------------------------------------
    diff |           -.0133929    .0403198               -.0930975    .0663118
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.3322
Ho: diff = 0                                     degrees of freedom =      142

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.3701         Pr(|T| > |t|) = 0.7403          Pr(T > t) = 0.6299
```

```
ttest mountainous if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      32    .2205995    .0292001    .1651806    .1610455    .2801535
       1 |     111    .2298582    .0191822    .2020965    .1918437    .2678727
---------+--------------------------------------------------------------------
combined |     143    .2277863    .0162176    .1939341    .1957272    .2598454
---------+--------------------------------------------------------------------
    diff |           -.0092587    .0390422               -.0864424     .067925
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.2371
Ho: diff = 0                                     degrees of freedom =      141

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4064         Pr(|T| > |t|) = 0.8129          Pr(T > t) = 0.5936

ttest democracy if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      31    .0645161     .044853     .249731    -.027086    .1561182
       1 |     112    .1428571    .0332136    .3514998    .0770422    .2086721
---------+--------------------------------------------------------------------
combined |     143    .1258741    .0278363    .3328734    .0708471    .1809012
---------+--------------------------------------------------------------------
    diff |            -.078341    .0674723               -.2117291    .0550471
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.1611
Ho: diff = 0                                     degrees of freedom =      141

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.1238         Pr(|T| > |t|) = 0.2476          Pr(T > t) = 0.8762

ttest losewar10 if abdfirctargboth==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      32      .28125    .0807522    .4568034    .1165548    .4459452
       1 |     112    .4196429     .046841    .4957185    .3268243    .5124614
---------+--------------------------------------------------------------------
combined |     144    .3888889    .0407666    .4891996    .3083058     .469472
---------+--------------------------------------------------------------------
    diff |           -.1383929     .097715               -.3315569    .0547712
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.4163
Ho: diff = 0                                     degrees of freedom =      142

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0794         Pr(|T| > |t|) = 0.1589          Pr(T > t) = 0.9206
```

2. Failed Covert FIRCs vs. Successful FIRCs

ALL FIRC, FAILED COVERT FIRCS

```
estsimp probit cw1000on2014 abdfirctarg10 lorcovfircfailbook10 lnpec4_fill lntpop4_banks
mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1 _spline2 _spline3,
robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1345.9683
Iteration 2:   log pseudolikelihood = -1333.5402
Iteration 3:   log pseudolikelihood = -1333.2825
Iteration 4:   log pseudolikelihood = -1333.2821

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(13)   =     307.13
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1333.2821                 Pseudo R2       =     0.1041

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdfirct~g10 |   .3617106   .0843459     4.29   0.000     .1963956    .5270255
lorcovfir~10 |   .0405588   .1639317     0.25   0.805    -.2807415    .3618591
 lnpec4_fill |  -.0436997   .0118005    -3.70   0.000    -.0668282   -.0205712
lntpop4_ba~s |   .1882975   .0291687     6.46   0.000     .1311279    .2454672
 mountainous |   .1289362   .1537116     0.84   0.402     -.172333    .4302055
    newstate |    .329013   .1926445     1.71   0.088    -.0485633    .7065892
   democracy |  -.3399806   .0711492    -4.78   0.000    -.4794305   -.2005308
   losewar10 |   .2216983   .0779327     2.84   0.004      .068953    .3744436
cw1000ongo~1 |  -.1418736   .0895971    -1.58   0.113    -.3174808    .0337335
    peaceyrs |    -.00644    .016302    -0.40   0.693    -.0383912    .0255112
    _spline1 |   .0000468   .0000688     0.68   0.497    -.0000881    .0001817
    _spline2 |    -.00003   .0000352    -0.85   0.394     -.000099     .000039
    _spline3 |   4.65e-06   4.54e-06     1.02   0.306    -4.25e-06    .0000136
       _cons |  -3.251525   .2749784   -11.82   0.000    -3.790473   -2.712577
------------------------------------------------------------------------------

test abdfirctarg10 = lorcovfircfailbook10

 ( 1)  [cw1000on2014]abdfirctarg10 - [cw1000on2014]lorcovfircfailbook10 = 0

           chi2(  1) =    2.78
         Prob > chi2 =    0.0952

setx abdfirctarg10 0 lorcovfircfailbook10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0154716     .0017119     .0123317    .0190036

setx abdfirctarg10 1 lorcovfircfailbook10 0 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0366057     .0075193     .0233004     .053461
```

```
simqi, fd(prval(1)) changex(abdfirctarg10 0 1)

First Difference: abdfirctarg10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0211341     .0069959     .0090919    .0368736
setx abdfirctarg10 0 lorcovfircfailbook10 1 lnpec4_fill mean lntpop4_banks mean mountainous mean
newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0 peaceyrs mean _spline1 mean _spline2
mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0183298     .0070114     .0076574    .0355281

simqi, fd(prval(1)) changex(lorcovfircfailbook10 0 1)

First Difference: lorcovfircfailbook10 0 1

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0028583     .0072421      -.00854      .02034
```

LEADERSHIP FIRC, FAILED COVERT FIRCS

```
estsimp probit cw1000on2014 abdleaderfirc10 abdinstfirc10 abdrestleadfirc10 lorcovfircfailbook10
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing20141 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode2)

Iteration 0:   log pseudolikelihood = -1488.1284
Iteration 1:   log pseudolikelihood = -1340.4111
Iteration 2:   log pseudolikelihood = -1326.2008
Iteration 3:   log pseudolikelihood = -1325.9065
Iteration 4:   log pseudolikelihood = -1325.9061

Probit regression                                 Number of obs   =      14909
                                                  Wald chi2(15)   =     376.38
                                                  Prob > chi2     =     0.0000
Log pseudolikelihood = -1325.9061                 Pseudo R2       =     0.1090

                              (Std. Err. adjusted for 207 clusters in ccode2)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleade~c10 |   .5561539    .081211     6.85   0.000     .3969833    .7153245
abdinstf~c10 |   .1350943   .2356368     0.57   0.566    -.3267454     .596934
abdrestl~c10 |  -.1404057   .2655876    -0.53   0.597     -.660948    .3801365
lorcovfir~10 |   .0799083   .1609256     0.50   0.620    -.2355001    .3953166
 lnpec4_fill |  -.0452864   .0119084    -3.80   0.000    -.0686265   -.0219463
lntpop4_ba~s |   .1911913   .0298796     6.40   0.000     .1326283    .2497543
 mountainous |   .0912677   .1563388     0.58   0.559    -.2151507    .3976862
    newstate |   .3349063   .1948751     1.72   0.086    -.0470418    .7168544
   democracy |  -.3349462   .0712022    -4.70   0.000       -.4745   -.1953924
   losewar10 |   .2097499   .0808802     2.59   0.010     .0512278    .3682721
cw1000ongo~1 |  -.1616231   .0898179    -1.80   0.072     -.337663    .0144168
    peaceyrs |  -.0049497    .016564    -0.30   0.765    -.0374145    .0275151
    _spline1 |   .0000483   .0000694     0.70   0.486    -.0000877    .0001843
    _spline2 |  -.0000299   .0000354    -0.85   0.398    -.0000992    .0000394
    _spline3 |   4.32e-06   4.52e-06     0.96   0.339    -4.54e-06    .0000132
       _cons |  -3.274546    .280817   -11.66   0.000    -3.824937   -2.724154
------------------------------------------------------------------------------

test abdleaderfirc10 = lorcovfircfailbook10

 ( 1)  [cw1000on2014]abdleaderfirc10 - [cw1000on2014]lorcovfircfailbook10 = 0

           chi2(  1) =    6.94
         Prob > chi2 =    0.0084

test abdinstfirc10 = lorcovfircfailbook10

 ( 1)  [cw1000on2014]abdinstfirc10 - [cw1000on2014]lorcovfircfailbook10 = 0

           chi2(  1) =    0.04
         Prob > chi2 =    0.8498

test abdrestleadfirc10 = lorcovfircfailbook10

 ( 1)  [cw1000on2014]abdrestleadfirc10 - [cw1000on2014]lorcovfircfailbook10 = 0

           chi2(  1) =    0.48
         Prob > chi2 =    0.4878

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lorcovfircfailbook10 0 lnpec4_fill
mean lntpop4_banks mean mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing20141 0
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |      Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
            Pr(cw~n2014=1) |   .0155583     .0018391     .0122153    .0194895
```

```
setx abdleaderfirc10 1 abdinstfirc10 0 abdrestleadfirc10 0 lorcovfircfailbook10 0 lnpec4_fill
mean lntpop4_banks mean mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean

simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
           Pr(cw~n2014=1) |   .0546896     .0092274     .0380598    .0733945

simqi, fd(prval(1)) changex(abdleaderfirc10 0 1)

First Difference: abdleaderfirc10 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0391313     .0087313       .02329    .0571448

setx abdleaderfirc10 0 abdinstfirc10 0 abdrestleadfirc10 0 lorcovfircfailbook10 1 lnpec4_fill
mean lntpop4_banks mean mountainous mean newstate 0 democracy 0 losewar10 0 cw1000ongoing2014l1 0
peaceyrs mean _spline1 mean _spline2 mean _spline3 mean


simqi, prval(1)

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
           Pr(cw~n2014=1) |   .0198288     .0077481     .0080719    .0381415

simqi, fd(prval(1)) changex(lorcovfircfailbook10 0 1)

First Difference: lorcovfircfailbook10 0 1

      Quantity of Interest |     Mean       Std. Err.    [95% Conf. Interval]
---------------------------+--------------------------------------------------
         dPr(cw~n2014 = 1) |   .0042705     .0080407    -.0083531    .0228826
```

Target Countries that Experience Successful FIRCs Are (Mostly) Not More Predisposed to Civil War than Countries that Experience Failed Covert FIRCs on Variables that Predict Civil War (Table 3.5 in the book)

```
ttest lnpec4_fill if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28     8.25162    .5182252     2.74219    7.188309     9.31493
       1 |     111    4.736859     .384813    4.054257     3.97425    5.499468
---------+--------------------------------------------------------------------
combined |     139    5.444868    .3453159    4.071215    4.762074    6.127663
---------+--------------------------------------------------------------------
    diff |            3.514761    .8102581                1.912531     5.11699
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   4.3378
Ho: diff = 0                                     degrees of freedom =      137

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 1.0000         Pr(|T| > |t|) = 0.0000          Pr(T > t) = 0.0000


ttest lntpop4_banks if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28    9.157748    .2951974    1.562038    8.552053    9.763443
       1 |     111     8.01279    .1547946    1.630862    7.706024    8.319557
---------+--------------------------------------------------------------------
combined |     139    8.243429    .1421786     1.67626    7.962299    8.524559
---------+--------------------------------------------------------------------
    diff |            1.144958    .3420733                .4685312    1.821384
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   3.3471
Ho: diff = 0                                     degrees of freedom =      137

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9995         Pr(|T| > |t|) = 0.0011          Pr(T > t) = 0.0005

ttest newstate if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28    .0357143    .0357143    .1889822   -.0375654    .1089939
       1 |     112    .0446429    .0196019    .2074466    .0058005    .0834853
---------+--------------------------------------------------------------------
combined |     140    .0428571    .0171788    .2032622    .0088916    .0768227
---------+--------------------------------------------------------------------
    diff |           -.0089286    .0430956               -.0941417    .0762845
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.2072
Ho: diff = 0                                     degrees of freedom =      138

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4181         Pr(|T| > |t|) = 0.8362          Pr(T > t) = 0.5819
```

```
ttest mountainous if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28    .1820379    .0326085    .1725479    .1151308     .248945
       1 |     111    .2298582    .0191822    .2020965    .1918437    .2678727
---------+--------------------------------------------------------------------
combined |     139    .2202253     .016697    .1968544    .1872104    .2532403
---------+--------------------------------------------------------------------
    diff |           -.0478203     .041582               -.1300458    .0344052
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.1500
Ho: diff = 0                                     degrees of freedom =      137

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.1261         Pr(|T| > |t|) = 0.2521          Pr(T > t) = 0.8739

ttest democracy if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28    .0357143    .0357143    .1889822   -.0375654    .1089939
       1 |     112    .1428571    .0332136    .3514998    .0770422    .2086721
---------+--------------------------------------------------------------------
combined |     140    .1214286    .0277039    .3277975     .066653    .1762042
---------+--------------------------------------------------------------------
    diff |           -.1071429    .0689094               -.2433976    .0291119
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.5548
Ho: diff = 0                                     degrees of freedom =      138

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0611         Pr(|T| > |t|) = 0.1223          Pr(T > t) = 0.9389

ttest losewar10 if successfirc_covfail==1, by(abdfirctarg)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      28    .1071429    .0595238    .3149704   -.0149899    .2292756
       1 |     112    .4196429     .046841    .4957185    .3268243    .5124614
---------+--------------------------------------------------------------------
combined |     140    .3571429    .0406416    .4808779    .2767872    .4374985
---------+--------------------------------------------------------------------
    diff |              -.3125    .0984405               -.5071467   -.1178533
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -3.1745
Ho: diff = 0                                     degrees of freedom =      138

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0009         Pr(|T| > |t|) = 0.0019          Pr(T > t) = 0.9991
```

2. Evidence against Selection Bias: Confounding Variables

The first column lists thirteen characteristics of states that could potentially cause both regime change and civil war.[1] The second column shows the hypothesized effect of the variables listed in the first column on the likelihood of regime change based on the discussion earlier in the chapter. The third column shows the actual relationship between each variable and regime change found by my analysis in the supplementary materials, while the final column shows the effect of these variables on the probability of civil war as demonstrated in this chapter. Only if the signs in the final two columns of the table are the same does that variable potentially confound the relationship between regime change and civil war.

Table 3.11R. The Causes of Foreign-Imposed Regime Change and Their Implications for the Onset of Civil War

	Hypothesized Relationship to Regime Change	Relationship to Regime Change Shown by Analysis	Relationship to Civil War Onset
Target Wealth/Power	−	n.s.	−
Target Population	−	−	+
Target Oil	+	n.s.	+
Target Buffer State	+	+	−
Target State Age	−	n.s.	−
Target State Legitimacy	−/+	n.s.	n.a.
Target Political Instability*	+	+	+
Target Ethnic Heterogeneity	+	n.s.	+
Interstate War	+	+	+
Civil War	+	+	n.s.
Target Rough Terrain	−	n.s.	n.s.
Target in an Alliance or Defense Pact	−	n.s.	n.a.
Target Democracy	?	−	−

* Political instability increases the likelihood only of restoration regime change, which has no effect on the outbreak of civil war.

A. Poverty increases the likelihood of civil war, but states that experience regime change are not more likely to be poor.
B. Population increases the likelihood of civil war, but states that experience regime change are less populous.
C. Oil production increases the likelihood of civil war, but states that experience regime change do not produce (more) oil.
D. Ethnic diversity increases the likelihood of civil war, but states that experience regime change are not more ethnically diverse.
E. Rough terrain is uncorrelated with regime change and civil war.
F. Ongoing civil wars increase the likelihood of regime change, but ongoing civil wars decrease the likelihood of another civil war onset.
G. Buffer states are more likely to experience regime change, but buffer states are not more likely to suffer civil wars (see below).
H. Political instability increases the likelihood of civil war, but political instability is correlated only with restoration FIRC, which does not increase the likelihood of civil war (Chapter 2 and below).

[1] This list omits characteristics of interstate dyads that may be relevant for regime change but are irrelevant for civil war, such as joint democracy or state similarity. The analysis that produced these results was performed on the same state-year dataset that generated the results for civil war reported in this chapter. I address the effect of these dyadic variables in Chapter 5.

Among regime changes that occur, states that experience leadership FIRC are not poorer, more populated, more likely to be new, or less likely to be democratic.

A. Economic Development

```
ttest lnpec4_fill if abdfirctarg==1, by(abdleaderfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      47    5.251814    .6279343    4.304901    3.987848     6.51578
       1 |      64    4.358689    .4812903    3.850322    3.396907    5.320471
---------+--------------------------------------------------------------------
combined |     111    4.736859     .384813    4.054257     3.97425    5.499468
---------+--------------------------------------------------------------------
    diff |            .8931254    .7776877               -.6482262    2.434477
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.1484
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8733         Pr(|T| > |t|) = 0.2533          Pr(T > t) = 0.1267


ttest lnpec4_fill if abdfirctarg==1, by(abdinstfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      91    4.489595    .4126724    3.936644    3.669749    5.309441
       1 |      20     5.86191    1.003214     4.48651    3.762159    7.961661
---------+--------------------------------------------------------------------
combined |     111    4.736859     .384813    4.054257     3.97425    5.499468
---------+--------------------------------------------------------------------
    diff |           -1.372315     .997194               -3.348721    .6040909
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.3762
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0858         Pr(|T| > |t|) = 0.1716          Pr(T > t) = 0.9142

ttest lnpec4_fill if abdfirctarg==1, by(abdrestleadfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      83    4.693104    .4448756     4.05301    3.808104    5.578103
       1 |      28    4.866563    .7804109    4.129546    3.265292    6.467834
---------+--------------------------------------------------------------------
combined |     111    4.736859     .384813    4.054257     3.97425    5.499468
---------+--------------------------------------------------------------------
    diff |           -.1734593    .8899429               -1.937297    1.590379
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.1949
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4229         Pr(|T| > |t|) = 0.8458          Pr(T > t) = 0.5771
```

B. Population

```
ttest lntpop4_banks if abdfirctarg==1, by(abdleaderfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      47    8.140375    .2224545    1.525071    7.692597    8.588153
       1 |      64    7.919095    .2137699    1.710159     7.49191     8.34628
---------+--------------------------------------------------------------------
combined |     111     8.01279    .1547946    1.630862    7.706024    8.319557
---------+--------------------------------------------------------------------
    diff |            .2212796    .3140045               -.401067    .8436263
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.7047
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.7588         Pr(|T| > |t|) = 0.4825          Pr(T > t) = 0.2412

ttest lntpop4_banks if abdfirctarg==1, by(abdinstfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      91    7.986012    .1670043     1.59312    7.654229    8.317795
       1 |      20    8.134631    .4096959    1.832216    7.277127    8.992134
---------+--------------------------------------------------------------------
combined |     111     8.01279    .1547946    1.630862    7.706024    8.319557
---------+--------------------------------------------------------------------
    diff |           -.1486188    .4043497               -.9500269    .6527892
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.3676
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.3570         Pr(|T| > |t|) = 0.7139          Pr(T > t) = 0.6430

ttest lntpop4_banks if abdfirctarg==1, by(abdrestleadfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      83    7.988575    .1902888    1.733614    7.610029     8.36712
       1 |      28    8.084573    .2464862    1.304282    7.578825     8.59032
---------+--------------------------------------------------------------------
combined |     111     8.01279    .1547946    1.630862    7.706024    8.319557
---------+--------------------------------------------------------------------
    diff |            -.095998     .357932               -.8054076    .6134115
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.2682
Ho: diff = 0                                     degrees of freedom =      109

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.3945         Pr(|T| > |t|) = 0.7891          Pr(T > t) = 0.6055
```

C. New State

```
ttest newstate if abdfirctarg==1, by(abdleaderfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      47    .0425532    .0297608    .2040297   -.0173522    .1024586
       1 |      65    .0461538    .0262273     .211451   -.0062412    .0985488
---------+--------------------------------------------------------------------
combined |     112    .0446429    .0196019    .2074466    .0058005    .0834853
---------+--------------------------------------------------------------------
    diff |           -.0036007    .0398987               -.0826705    .0754692
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.0902
Ho: diff = 0                                     degrees of freedom =      110

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4641         Pr(|T| > |t|) = 0.9283          Pr(T > t) = 0.5359
```

D. Democracy

```
ttest democracy if abdfirctarg==1, by(abdleaderfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      47    .1489362    .0524931    .3598746     .043273    .2545993
       1 |      65    .1384615     .043173    .3480716    .0522136    .2247095
---------+--------------------------------------------------------------------
combined |     112    .1428571    .0332136    .3514998    .0770422    .2086721
---------+--------------------------------------------------------------------
    diff |            .0104746    .0675999               -.1234926    .1444418
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.1550
Ho: diff = 0                                     degrees of freedom =      110

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.5614         Pr(|T| > |t|) = 0.8771          Pr(T > t) = 0.4386
```

E. Lose Interstate War

```
ttest losewar10 if abdfirctarg==1, by(abdleaderfirc)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |      47    .3404255    .0698657    .4789752    .1997932    .4810579
       1 |      65    .4769231    .0624334    .5033541     .352198    .6016481
---------+--------------------------------------------------------------------
combined |     112    .4196429     .046841    .4957185    .3268243    .5124614
---------+--------------------------------------------------------------------
    diff |           -.1364975    .0944539               -.3236829    .0506878
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.4451
Ho: diff = 0                                     degrees of freedom =      110

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0756         Pr(|T| > |t|) = 0.1513          Pr(T > t) = 0.9244
```

Table 3.12R. Buffer States More Likely to Experience Regime Change, but Less Likely to Cause Civil War

	(1)	(2)
gdbuffer	-0.27*	
	(0.11)	
bbuffer		-0.30**
		(0.11)
abdleaderfirc10	0.57***	0.56***
	(0.08)	(0.08)
abdinstfirc10	0.18	0.17
	(0.23)	(0.24)
abdrestleadfirc10	-0.13	-0.11
	(0.27)	(0.27)
lnpec4_fill	-0.04***	-0.04***
	(0.01)	(0.01)
lntpop4_banks	0.19***	0.20***
	(0.03)	(0.03)
mountainous	0.14	0.16
	(0.15)	(0.15)
newstate	0.34+	0.35+
	(0.19)	(0.19)
democracy	-0.36***	-0.36***
	(0.07)	(0.07)
losewar10	0.23**	0.23**
	(0.08)	(0.08)
cw1000ongo~1	-0.18*	-0.18*
	(0.09)	(0.09)
peaceyrs	-0.01	-0.01
	(0.02)	(0.02)
_spline1	0.00	0.00
	(0.00)	(0.00)
_spline2	-0.00	-0.00
	(0.00)	(0.00)
_spline3	0.00	0.00
	(0.00)	(0.00)
_cons	-3.29***	-3.36***
	(0.27)	(0.26)
N	14909	14909
pseudo R-sq	0.113	0.113

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.12R

```
eststo M1: probit cw1000on2014 gdbuffer abdleaderfirc10 abdinstfirc10 abdrestleadfirc10
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode)

eststo M2: probit cw1000on2014 bbuffer abdleaderfirc10 abdinstfirc10 abdrestleadfirc10
lnpec4_fill lntpop4_banks mountainous newstate democracy losewar10 cw1000ongoing2014l1 peaceyrs
_spline1 _spline2 _spline3, robust cluster(ccode)

esttab M1 M2 using buffers.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(gdbuffer bbuffer)
```

Table 3.13R. Political Instability Increases the Likelihood of Civil War, but Instability is Correlated only with Restoration FIRC, which Does Not Increase the Likelihood of Civil War

	(1)	(2)
polinstability_fl	0.16*	
	(0.07)	
polinstability_wf		0.07*
		(0.03)
abdleaderfirc10	0.48***	0.46***
	(0.08)	(0.08)
abdinstfirc10	0.12	0.11
	(0.27)	(0.27)
abdrestleadfirc10	-0.20	-0.20
	(0.27)	(0.26)
lnpec4_fill	-0.05***	-0.05***
	(0.01)	(0.01)
lntpop4_banks	0.18***	0.18***
	(0.03)	(0.03)
mountainous	-0.00	-0.00
	(0.15)	(0.16)
democracy	-0.30***	-0.30***
	(0.07)	(0.08)
losewar10	0.20*	0.20*
	(0.08)	(0.08)
cw1000ongo~1	-0.26**	-0.25**
	(0.09)	(0.10)
peaceyrs	-0.02	-0.03
	(0.02)	(0.02)
_spline1	-0.00	-0.00
	(0.00)	(0.00)
_spline2	0.00	0.00
	(0.00)	(0.00)
_spline3	0.00	0.00
	(0.00)	(0.00)
_cons	-3.00***	-2.96***
	(0.29)	(0.30)
N	13288	12929
pseudo R-sq	0.104	0.103

Standard errors in parentheses
+ p<0.10, * p<0.05, ** p<0.01, *** p<0.001

Code for Table 3.13R

```
eststo M1: probit cw1000on2014 polinstability_fl abdleaderfirc10 abdinstfirc10 abdrestleadfirc10
lnpec4_fill lntpop4_banks mountainous democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

eststo M2: probit cw1000on2014 polinstability_wf abdleaderfirc10 abdinstfirc10 abdrestleadfirc10
lnpec4_fill lntpop4_banks mountainous democracy losewar10 cw1000ongoing2014l1 peaceyrs _spline1
_spline2 _spline3, robust cluster(ccode)

esttab M1 M2 using instab.tab, se(2) pr2 b(2) star(+ 0.10 * 0.05 ** 0.01 *** 0.001)
order(polinstability_fl polinstability_wf)
```

3. Evidence against Selection Bias: Instrumental Variables

I have been unable to identify a variable in the country-year format used in this chapter that is correlated with regime change but not with civil war. Because the dataset is not dyadic, it is impossible to include variables that measure aspects of the relationship *between* states that might explain regime change but not civil war and thus serve as useful instruments, such as the distance between interveners and targets and the balance of power between them. Therefore, I built a directed-dyad dataset (the dataset used in Chapter 5) that includes measures of the relationship between pairs of states in addition to the same variables used so far to account for the characteristics of individual states.[2] I use two variables—State A's share of the dyad's total material capabilities and the distance between States A and B—as instruments for regime change. I use these two variables as an instrument for regime change in the second stage of the model, shown in the bottom half of the table. In models 15 and 16, I use a ten-year treatment for regime change and the dependent variable is the onset of civil war in a given year. In models 17 and 18, regime change is instrumented only in the year it occurs and the dependent variable is a dummy variable indicating whether a civil war occurs anytime in the ensuing ten years. As shown in the first two rows of the lower half of Table 3.13R, either approach yields positive and significant coefficients for all types of regime change grouped together and leadership regime change specifically.[3]

[2] The significant complication this procedure introduces is that each civil war State B experiences in a given year appears in every dyad of which State B is a member in that year. For example, the Ugandan civil war that began in 1980 appears in all ten dyads (with the United States, Britain, France, Russia, DRC, Kenya, Tanzania, Rwanda, Sudan, and China) in which Uganda is State B in 1980. In other words, a model intended to predict the onset of civil war in Uganda in 1980 would predict the same civil war ten times. This problem will reduce the standard errors of the control variables but should not affect the regime change estimates because regime change occurs in only one of those dyads.

[3] Additional tests indicate that although the instruments in these models are valid—that is, sufficiently correlated with regime change—they are overidentified, meaning that one or more of the instruments is correlated with the error term of the regression or the structural model is incorrectly specified. Removing State A's share of dyadic capabilities and using only distance as an instrument for regime change, the models are no longer overidentified and both types of regime change remain significant.

Table 3.14R. Instrumental Variables (2SLS) Analysis of Foreign-Imposed Regime Change and Civil War Onset

	Ten Year Treatment		One Year Treatment	
First Stage (DV = Regime Change)	15 All Regime Change	16 Leadership Regime Change	17 All Regime Change	18 Leadership Regime Change
State A's Share of Relative Capabilities†	0.0140*** (0.0023)	0.0045*** (0.0012)	0.0017*** (0.0003)	0.0007*** (0.0002)
Distance (Logged)†	-0.0005** (0.0002)	-0.0003** (0.0001)	-0.0001*** (0.0000)	-0.0000** (0.0000)
Economic Development	0.0000 (0.0003)	-0.0001 (0.0001)	0.0000 (0.0000)	-0.0000 (0.0000)
Population	0.0010* (0.0005)	0.0005 (0.0003)	0.0001 (0.0001)	0.0001 (0.0000)
Mountainous Terrain	0.0011 (0.0036)	0.0050* (0.0023)	0.0002 (0.0005)	0.0005 (0.0003)
New State	-0.0037** (0.0011)	-0.0017** (0.0006)	0.0012 (0.0009)	0.0006 (0.0006)
Lose Interstate War, t0 – t10	0.0130*** (0.0031)	0.0057** (0.0021)	0.0022*** (0.0005)	0.0010** (0.0003)
Democracy	0.0020 (0.0011)	-0.0002 (0.0006)	0.0001 (0.0001)	-0.0000 (0.0001)
Buffer State	0.0047** (0.0017)	0.0004 (0.0009)	0.0006* (0.0002)	0.0002 (0.0001)
Constant	-0.0131** (0.0045)	-0.0038 (0.0024)	-0.0015** (0.0005)	-0.0007* (0.0003)
N	166,772	166,772	166,772	166,772
F	6.33***	2.47**	7.27***	3.62**
R^2	0.0098	0.0038	0.0017	0.0008
Second Stage (DV = Civil War Onset)	All Regime Change	Leadership Regime Change	All Regime Change	Leadership Regime Change
Regime Change (Instrumented)	0.8089*** (0.1822)	-	32.8001*** (8.3285)	-
Leadership Regime Change (Instrumented)	-	2.4107** (0.7075)	-	70.9367** (20.6789)
Economic Development	-0.0050*** (0.0004)	-0.0048*** (0.0005)	-0.0354*** (0.0019)	-0.0338*** (0.0023)
Population	0.0113*** (0.0008)	0.0110*** (0.0009)	0.0782*** (0.0035)	0.0760*** (0.0038)
Mountainous Terrain	-0.0008 (0.0038)	-0.0115 (0.0061)	-0.0523* (0.0225)	-0.0749** (0.0283)
New State	0.0323*** (0.0051)	0.0335*** (0.0052)	-0.0315 (0.0321)	-0.0335 (0.0469)
Lose Interstate War, t0 – t10	0.0104** (0.0031)	0.0072 (0058)	0.0192 (0.0217)	0.0208 (0.0254)
Democracy	-0.0085*** (0.0012)	-0.0063*** (0.0016)	-0.0723*** (0.0069)	-0.0672*** (0.0084)
Buffer State	-0.0160*** (0.0018)	-0.0133*** (0.0025)	-0.0814*** (0.0101)	-0.0754*** (0.0118)
Constant	-0.0403*** (0.0046)	-0.0408*** (0.0056)	-0.2230*** (0.0235)	-0.2256*** (0.0248)
N	166,772	166,772	166,772	166,772
Wald Chi^2	536.96***	366.59***	986.57***	749.73***

Note: Robust standard errors clustered on country code in parentheses. * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

† Denotes instruments for foreign-imposed regime change.

2SLS, All FIRC, Interveners Only, 10 Year Treatment Instrumented

```
ivregress 2sls cw1000on2014_2 lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
democracy_2 gdbuffer_2 (abdfircinit10 = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =    166,772
                                                N. of clusters    =       3917
                                                F(   9, 166762)   =       6.33
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0098
                                                Adj R-squared     =     0.0097
                                                Root MSE          =     0.0624

------------------------------------------------------------------------------
             |               Robust
abdfircinit10 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   lnenergy_2 |   6.46e-06    .000257     0.03   0.980    -.0004973    .0005102
     lntpop_2 |   .0010434   .0004856     2.15   0.032     .0000917    .0019951
mountainous_2 |   .0010897   .0035764     0.30   0.761      -.00592    .0080994
   newstate_2 |  -.0037133   .0011073    -3.35   0.001    -.0058836    -.001543
  losewar10_2 |   .0130265   .0031095     4.19   0.000      .006932    .0191209
  democracy_2 |   .0019794   .0011216     1.76   0.078     -.000219    .0041777
   gdbuffer_2 |   .0046611   .0017311     2.69   0.007     .0012681     .008054
   capshare_1 |   .0140153   .0023202     6.04   0.000     .0094678    .0185628
   lndistance |  -.0005287   .0001586    -3.33   0.001    -.0008395   -.0002178
        _cons |  -.0130762   .0044747    -2.92   0.003    -.0218465   -.0043058
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =    166,772
                                                  Wald chi2(8)    =     536.96
                                                  Prob > chi2     =     0.0000
                                                  R-squared       =          .
                                                  Root MSE        =     .14834

                          (Std. Err. adjusted for 3,917 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
cw1000on201~2 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdfircinit10 |   .8088911   .1821983     4.44   0.000     .4517889    1.165993
   lnenergy_2 |  -.0050236   .0004477   -11.22   0.000    -.0059011   -.0041461
     lntpop_2 |   .0112573   .0007636    14.74   0.000     .0097608    .0127539
mountainous_2 |   -.000829   .0037653    -0.22   0.826    -.0082088    .0065509
   newstate_2 |   .0323062   .0050623     6.38   0.000     .0223842    .0422282
  losewar10_2 |    .010358   .0031357     3.30   0.001     .0042122    .0165039
  democracy_2 |  -.0085005   .0011865    -7.16   0.000     -.010826    -.006175
   gdbuffer_2 |  -.0159706   .0017509    -9.12   0.000    -.0194024   -.0125388
        _cons |   -.040258   .0045693    -8.81   0.000    -.0492136   -.0313024
------------------------------------------------------------------------------
Instrumented:  abdfircinit10
Instruments:   lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
               democracy_2 gdbuffer_2 capshare_1 lndistance


estat endogenous

  Tests of endogeneity
  Ho: variables are exogenous

  Robust regression F(1,3916)     =  48.9216  (p = 0.0000)
    (Adjusted for 3917 clusters in dyad_id)
```

```
estat firststage

  First-stage regression summary statistics
  ------------------------------------------------------------------------------
               |             Adjusted      Partial       Robust
      Variable |   R-sq.       R-sq.        R-sq.     F(2,3916)   Prob > F
  -------------+----------------------------------------------------------------
  abdfircin~10 |  0.0098      0.0097       0.0041       18.2505    0.0000
  ------------------------------------------------------------------------------
  (F statistic adjusted for 3917 clusters in dyad_id)


estat overid

  Test of overidentifying restrictions:


  robust tests of overidentifying restrictions after 2SLS
  estimation not available with cluster-robust standard errors
```

2SLS, Leadership FIRC, Interveners Only, 10 Year Treatment Instrumented

```
ivregress 2sls cw1000on2014_2 lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
democracy_2 gdbuffer_2 (abdleadfircinit10 = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =    166,772
                                                N. of clusters    =       3917
                                                F(   9, 166762)   =       2.47
                                                Prob > F          =     0.0082
                                                R-squared         =     0.0038
                                                Adj R-squared     =     0.0037
                                                Root MSE          =     0.0416

------------------------------------------------------------------------------
             |               Robust
abdleadfir~10 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   lnenergy_2 |   -.000108   .0001265    -0.85   0.393     -.000356      .00014
     lntpop_2 |   .0004619   .0002923     1.58   0.114     -.000111    .0010348
mountainous_2 |   .0050092   .0022606     2.22   0.027     .0005785    .0094399
   newstate_2 |  -.0017161   .0005786    -2.97   0.003    -.0028501   -.0005821
  losewar10_2 |   .0056685   .0021408     2.65   0.008     .0014726    .0098644
  democracy_2 |  -.0002186   .0005652    -0.39   0.699    -.0013263    .0008892
   gdbuffer_2 |    .000397   .0009035     0.44   0.660    -.0013739    .0021679
   capshare_1 |   .0045397   .0011858     3.83   0.000     .0022156    .0068639
   lndistance |  -.0002624   .0001007    -2.60   0.009    -.0004598   -.0000649
        _cons |  -.0038074   .0024201    -1.57   0.116    -.0085507    .0009359
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =    166,772
                                                  Wald chi2(8)    =     366.59
                                                  Prob > chi2     =     0.0000
                                                  R-squared       =          .
                                                  Root MSE        =     .17128

                                (Std. Err. adjusted for 3,917 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
cw1000on2014_2 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
abdleadfircinit10 |   2.410687   .7074854     3.41   0.001     1.024041    3.797333
       lnenergy_2 |  -.0047467   .0005022    -9.45   0.000    -.0057309   -.0037625
         lntpop_2 |   .0110076   .0008864    12.42   0.000     .0092702     .012745
    mountainous_2 |  -.0115215   .0060973    -1.89   0.059    -.0234719    .0004289
       newstate_2 |   .0335141   .0052124     6.43   0.000      .023298    .0437302
      losewar10_2 |   .0071962   .0058416     1.23   0.218    -.0042532    .0186456
      democracy_2 |  -.0062946   .0015914    -3.96   0.000    -.0094136   -.0031756
       gdbuffer_2 |  -.0133145   .0024749    -5.38   0.000    -.0181651   -.0084638
            _cons |  -.0407537   .0055686    -7.32   0.000    -.0516678   -.0298395
------------------------------------------------------------------------------
Instrumented:  abdleadfircinit10
Instruments:   lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
               democracy_2 gdbuffer_2 capshare_1 lndistance


estat endogenous

  Tests of endogeneity
  Ho: variables are exogenous

  Robust regression F(1,3916)     =  57.7571  (p = 0.0000)
    (Adjusted for 3917 clusters in dyad_id)
```

```
estat firststage

  First-stage regression summary statistics
  ------------------------------------------------------------------------------
               |             Adjusted      Partial       Robust
      Variable |   R-sq.       R-sq.        R-sq.     F(2,3916)   Prob > F
  -------------+----------------------------------------------------------------
  abdleadfi~10 |  0.0038      0.0037       0.0012       7.52747    0.0005
  ------------------------------------------------------------------------------
  (F statistic adjusted for 3917 clusters in dyad_id)

estat overid

  Test of overidentifying restrictions:


  robust tests of overidentifying restrictions after 2SLS
  estimation not available with cluster-robust standard errors
```

2SLS, All FIRC, Year of FIRC Only, Interveners Only, DV = CIVWAR10_2014

```
ivregress 2sls civwar10_2014 lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2 democracy_2
gdbuffer_2 (abdfircinit = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =    166,772
                                                N. of clusters    =       3917
                                                F(   9, 166762)   =       7.27
                                                Prob > F          =     0.0000
                                                R-squared         =     0.0017
                                                Adj R-squared     =     0.0016
                                                Root MSE          =     0.0216

------------------------------------------------------------------------------
             |               Robust
  abdfircinit |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   lnenergy_2 |   .0000183   .0000279     0.66   0.512    -.0000364     .000073
     lntpop_2 |   .0001052    .000059     1.78   0.074    -.0000104    .0002209
mountainous_2 |   .0002122   .0004832     0.44   0.661    -.0007349    .0011592
   newstate_2 |   .0012474   .0009176     1.36   0.174     -.000551    .0030458
  losewar10_2 |   .0022295   .0004545     4.91   0.000     .0013387    .0031204
  democracy_2 |   .0000727   .0001356     0.54   0.592    -.0001931    .0003385
   gdbuffer_2 |   .0006219   .0002028     3.07   0.002     .0002245    .0010193
   capshare_1 |   .0016981   .0002681     6.33   0.000     .0011726    .0022236
   lndistance |  -.0000706   .0000187    -3.78   0.000    -.0001073    -.000034
        _cons |  -.0015462   .0005475    -2.82   0.005    -.0026193   -.0004731
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =    166,772
                                                  Wald chi2(8)    =     986.57
                                                  Prob > chi2     =     0.0000
                                                  R-squared       =          .
                                                  Root MSE        =     .78797

                          (Std. Err. adjusted for 3,917 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
civwar10_2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  abdfircinit |    32.8001   8.328542     3.94   0.000     16.47646    49.12374
   lnenergy_2 |  -.0353963   .0019449   -18.20   0.000    -.0392081   -.0315845
     lntpop_2 |   .0781934   .0035328    22.13   0.000     .0712692    .0851175
mountainous_2 |  -.0522823   .0225462    -2.32   0.020    -.0964719   -.0080926
   newstate_2 |  -.0315385   .0320828    -0.98   0.326    -.0944196    .0313426
  losewar10_2 |   .0192119    .021711     0.88   0.376    -.0233408    .0617646
  democracy_2 |  -.0722803   .0068762   -10.51   0.000    -.0857574   -.0588033
   gdbuffer_2 |  -.0814082   .0100791    -8.08   0.000    -.1011628   -.0616535
        _cons |  -.2299743   .0235258    -9.78   0.000     -.276084   -.1838646
------------------------------------------------------------------------------
Instrumented:  abdfircinit
Instruments:   lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
               democracy_2 gdbuffer_2 capshare_1 lndistance

estat endogenous

  Tests of endogeneity
  Ho: variables are exogenous

  Robust regression F(1,3916)     =  27.6267  (p = 0.0000)
    (Adjusted for 3917 clusters in dyad_id)
```

```
estat firststage

  First-stage regression summary statistics
  ------------------------------------------------------------------------------
               |             Adjusted      Partial       Robust
      Variable |   R-sq.       R-sq.        R-sq.     F(2,3916)   Prob > F
  -------------+----------------------------------------------------------------
   abdfircinit |  0.0017      0.0016       0.0005       20.1149    0.0000
  ------------------------------------------------------------------------------
  (F statistic adjusted for 3917 clusters in dyad_id)

estat overid

  Test of overidentifying restrictions:


  robust tests of overidentifying restrictions after 2SLS
  estimation not available with cluster-robust standard errors
```

2SLS, Leadership FIRC, Year of FIRC Only, Interveners Only, DV = CIVWAR10_2014

```
ivregress 2sls civwar10_2014 lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2 democracy_2
gdbuffer_2 (abdleadfircinit = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =    166,772
                                                N. of clusters    =       3917
                                                F(   9, 166762)   =       3.62
                                                Prob > F          =     0.0002
                                                R-squared         =     0.0008
                                                Adj R-squared     =     0.0007
                                                Root MSE          =     0.0157

------------------------------------------------------------------------------
             |               Robust
abdleadfirc~t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   lnenergy_2 |  -.0000136    .000021    -0.65   0.515    -.0000548    .0000275
     lntpop_2 |   .0000792   .0000419     1.89   0.059    -2.88e-06    .0001613
mountainous_2 |   .0004546   .0003015     1.51   0.132    -.0001363    .0010455
   newstate_2 |   .0006104    .000645     0.95   0.344    -.0006537    .0018745
  losewar10_2 |   .0010056    .000307     3.28   0.001      .000404    .0016073
  democracy_2 |  -.0000337   .0000861    -0.39   0.695    -.0002023     .000135
   gdbuffer_2 |   .0001919   .0001379     1.39   0.164    -.0000784    .0004622
   capshare_1 |   .0007473   .0001742     4.29   0.000     .0004057    .0010888
   lndistance |  -.0000472    .000014    -3.38   0.001    -.0000746   -.0000198
        _cons |  -.0006932   .0003367    -2.06   0.040    -.0013531   -.0000333
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =    166,772
                                                  Wald chi2(8)    =     749.73
                                                  Prob > chi2     =     0.0000
                                                  R-squared       =          .
                                                  Root MSE        =     1.1607

                              (Std. Err. adjusted for 3,917 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
  civwar10_2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
abdleadfircinit |   70.93672   20.67892     3.43   0.001     30.40678    111.4667
     lnenergy_2 |  -.0337807    .002283   -14.80   0.000    -.0382552   -.0293062
       lntpop_2 |   .0760327   .0038485    19.76   0.000     .0684899    .0835755
  mountainous_2 |  -.0748933      .0283    -2.65   0.008    -.1303602   -.0194264
     newstate_2 |  -.0335378   .0468718    -0.72   0.474    -.1254049    .0583293
    losewar10_2 |   .0207922   .0254424     0.82   0.414    -.0290739    .0706583
    democracy_2 |  -.0671567   .0083519    -8.04   0.000    -.0835261   -.0507872
     gdbuffer_2 |   -.075403   .0117904    -6.40   0.000    -.0985118   -.0522942
          _cons |  -.2256148   .0247997    -9.10   0.000    -.2742213   -.1770083
------------------------------------------------------------------------------
Instrumented:  abdleadfircinit
Instruments:   lnenergy_2 lntpop_2 mountainous_2 newstate_2 losewar10_2
               democracy_2 gdbuffer_2 capshare_1 lndistance

estat endogenous

  Tests of endogeneity
  Ho: variables are exogenous

  Robust regression F(1,3916)     =  32.0866  (p = 0.0000)
    (Adjusted for 3917 clusters in dyad_id)
```

```
estat firststage

  First-stage regression summary statistics
  ------------------------------------------------------------------------------
               |             Adjusted      Partial       Robust
      Variable |   R-sq.       R-sq.        R-sq.     F(2,3916)   Prob > F
  -------------+----------------------------------------------------------------
  abdleadfir~t |  0.0008      0.0007       0.0002       9.32065    0.0001
  ------------------------------------------------------------------------------
  (F statistic adjusted for 3917 clusters in dyad_id)


estat overid

  Test of overidentifying restrictions:


  robust tests of overidentifying restrictions after 2SLS
  estimation not available with cluster-robust standard errors
```

2SLS, Only Cases of FIRC

```
drop if abdfircinit==0
(180,394 observations deleted)
```

Leadership FIRC

```
ivregress 2sls civwar10_2014 democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
(abdleadfircinit = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =         78
                                                N. of clusters    =         70
                                                F(   7,     70)   =       4.29
                                                Prob > F          =     0.0005
                                                R-squared         =     0.1884
                                                Adj R-squared     =     0.1073
                                                Root MSE          =     0.4753

------------------------------------------------------------------------------
             |               Robust
abdleadfirc~t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   democracy2 |  -.0323524   .1545229    -0.21   0.835    -.3405385    .2758337
   lnenergy_2 |  -.0647554   .0345859    -1.87   0.065    -.1337347    .0042239
     lntpop_2 |   .0708563   .0580907     1.22   0.227     -.045002    .1867145
mountainous_2 |   .3442229   .3433703     1.00   0.320    -.3406076    1.029053
   newstate_2 |   .0744852   .2490626     0.30   0.766    -.4222544    .5712248
   capshare_1 |  -.4811178   .2856873    -1.68   0.097    -1.050903    .0886675
   lndistance |  -.0320349   .0144411    -2.22   0.030    -.0608369    -.003233
        _cons |   .8528272   .5789256     1.47   0.145    -.3018035    2.007458
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =         78
                                                  Wald chi2(6)    =      43.03
                                                  Prob > chi2     =     0.0000
                                                  R-squared       =     0.0467
                                                  Root MSE        =     .45064

                                (Std. Err. adjusted for 70 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
  civwar10_2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+----------------------------------------------------------------
abdleadfircinit |   .9844825   .3057531     3.22   0.001     .3852174    1.583748
     democracy2 |  -.1890329   .1439133    -1.31   0.189    -.4710977     .093032
     lnenergy_2 |   .0041121   .0276702     0.15   0.882    -.0501204    .0583446
       lntpop_2 |   .0151715   .0594498     0.26   0.799    -.1013479     .131691
  mountainous_2 |  -.1991155   .2172976    -0.92   0.359     -.625011     .22678
     newstate_2 |  -.0199116   .2192128    -0.09   0.928    -.4495608    .4097377
          _cons |  -.2624879   .3467964    -0.76   0.449    -.9421963    .4172205
------------------------------------------------------------------------------
Instrumented:  abdleadfircinit
Instruments:   democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
               capshare_1 lndistance
```

2SLS, Restoration FIRC, Only FIRCs

```
ivregress 2sls civwar10_2014 democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
(abdrestfircinit = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =         78
                                                N. of clusters    =         70
                                                F(   7,     70)   =       3.38
                                                Prob > F          =     0.0037
                                                R-squared         =     0.1717
                                                Adj R-squared     =     0.0888
                                                Root MSE          =     0.4529

------------------------------------------------------------------------------
             |               Robust
abdrestfirc~t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   democracy2 |   .2345492   .1488738     1.58   0.120    -.0623701    .5314685
   lnenergy_2 |   .0281043   .0322452     0.87   0.386    -.0362066    .0924152
     lntpop_2 |   -.044792   .0566283    -0.79   0.432    -.1577337    .0681497
mountainous_2 |  -.1632548    .319956    -0.51   0.611    -.8013869    .4748773
   newstate_2 |  -.4759135   .1405685    -3.39   0.001    -.7562686   -.1955584
   capshare_1 |   .1886158   .2602918     0.72   0.471    -.3305198    .7077515
   lndistance |   .0237009   .0136235     1.74   0.086    -.0034702    .0508721
        _cons |   .2544162   .5863622     0.43   0.666    -.9150464    1.423879
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =         78
                                                  Wald chi2(6)    =      18.39
                                                  Prob > chi2     =     0.0053
                                                  R-squared       =          .
                                                  Root MSE        =     .63419

                                (Std. Err. adjusted for 70 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
  civwar10_2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
abdrestfircinit |  -1.370037   .6969612    -1.97   0.049    -2.736056   -.0040181
     democracy2 |   .0886016    .272057     0.33   0.745    -.4446203    .6218236
     lnenergy_2 |  -.0222216   .0308673    -0.72   0.472    -.0827204    .0382772
       lntpop_2 |   .0376594   .0771672     0.49   0.626    -.1135855    .1889042
  mountainous_2 |  -.1057816   .3296402    -0.32   0.748    -.7518645    .5403012
     newstate_2 |  -.5767362   .4309768    -1.34   0.181    -1.421435    .2679629
          _cons |   .6254634   .7141449     0.88   0.381    -.7742349    2.025162
------------------------------------------------------------------------------
Instrumented:  abdrestfircinit
Instruments:   democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
               capshare_1 lndistance
```

2SLS, Institutional FIRC, Only FIRCs

```
ivregress 2sls civwar10_2014 democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
(abdinstfircinit = capshare_1 lndistance), vce(cluster dyad_id) first

First-stage regressions
-----------------------

                                                Number of obs     =         78
                                                N. of clusters    =         70
                                                F(   7,     70)   =       1.69
                                                Prob > F          =     0.1268
                                                R-squared         =     0.1274
                                                Adj R-squared     =     0.0401
                                                Root MSE          =     0.3432

------------------------------------------------------------------------------
             |               Robust
abdinstfirc~t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   democracy2 |  -.1767166   .1003759    -1.76   0.083    -.3769099    .0234768
   lnenergy_2 |    .032285   .0143997     2.24   0.028     .0035657    .0610042
     lntpop_2 |  -.0304224   .0450159    -0.68   0.501    -.1202037    .0593589
mountainous_2 |  -.1953023   .1591385    -1.23   0.224     -.512694    .1220893
   newstate_2 |   .4048677    .280015     1.45   0.153    -.1536046    .9633401
   capshare_1 |   .2509196   .1941464     1.29   0.200    -.1362932    .6381324
   lndistance |   .0043815   .0106835     0.41   0.683    -.0169259     .025689
        _cons |  -.0040783   .5224159    -0.01   0.994    -1.046004    1.037847
------------------------------------------------------------------------------


Instrumental variables (2SLS) regression          Number of obs   =         78
                                                  Wald chi2(6)    =      10.62
                                                  Prob > chi2     =     0.1008
                                                  R-squared       =          .
                                                  Root MSE        =     1.1553

                                (Std. Err. adjusted for 70 clusters in dyad_id)
------------------------------------------------------------------------------
             |               Robust
  civwar10_2014 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
abdinstfircinit |  -3.687131   2.341364    -1.57   0.115     -8.27612     .901859
     democracy2 |  -.8682005   .5421112    -1.60   0.109    -1.930719     .194318
     lnenergy_2 |   .0710926   .0714476     1.00   0.320    -.0689421    .2111273
       lntpop_2 |  -.0670749   .1826237    -0.37   0.713    -.4250108    .2908611
  mountainous_2 |  -.5653238   .7279975    -0.78   0.437    -1.992173    .8615251
     newstate_2 |   1.504496   1.329268     1.13   0.258    -1.100821    4.109813
          _cons |   1.179591   1.673346     0.70   0.481    -2.100106    4.459288
------------------------------------------------------------------------------
Instrumented:  abdinstfircinit
Instruments:   democracy2 lnenergy_2 lntpop_2 mountainous_2 newstate_2
               capshare_1 lndistance
```

4. Evidence against Selection Bias: Two-Stage Heckman Probit Models, Dyadic Dataset

Leadership FIRC, with All FIRC as the Selection Variable

```
heckprobit civwar10_2014 abdleadfircinit democracy2 lnenergy_2 lntpop_2 mountainous newstate,
select(abdfircinit = cap_1 lndistance) first

Fitting probit model:

Iteration 0:   log likelihood = -48.144858
Iteration 1:   log likelihood = -30.835778
Iteration 2:   log likelihood = -29.833529
Iteration 3:   log likelihood = -29.817154
Iteration 4:   log likelihood = -29.817145
Iteration 5:   log likelihood = -29.817145

Fitting selection model:

Iteration 0:   log likelihood = -682.21967
Iteration 1:   log likelihood = -656.15037
Iteration 2:   log likelihood = -604.81076
Iteration 3:   log likelihood =  -604.4081
Iteration 4:   log likelihood = -604.40745
Iteration 5:   log likelihood = -604.40745

Probit regression                               Number of obs     =    180,472
                                                LR chi2(2)        =     155.62
                                                Prob > chi2       =     0.0000
Log likelihood = -604.40745                     Pseudo R2         =     0.1141

------------------------------------------------------------------------------
 abdfircinit |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       cap_1 |   4.275967   .3453349    12.38   0.000     3.599123    4.952811
  lndistance |  -.0694727   .0093863    -7.40   0.000    -.0878695   -.0510759
       _cons |   -3.36713   .0517401   -65.08   0.000    -3.468539   -3.265722
------------------------------------------------------------------------------

Comparison:    log likelihood =  -634.2246

Fitting starting values:

Iteration 0:   log likelihood =  -54.06548
Iteration 1:   log likelihood = -30.546732
Iteration 2:   log likelihood = -29.669219
Iteration 3:   log likelihood = -29.662027
Iteration 4:   log likelihood = -29.662026

Fitting full model:

Iteration 0:   log likelihood = -634.11254
Iteration 1:   log likelihood = -634.06927
Iteration 2:   log likelihood = -634.06902
Iteration 3:   log likelihood = -634.06902

Probit model with sample selection              Number of obs     =    180,472
                                                      Selected    =         78
                                                      Nonselected =    180,394

                                                Wald chi2(6)      =      13.19
Log likelihood =  -634.069                      Prob > chi2       =     0.0401

------------------------------------------------------------------------------
               |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
civwar10_2014  |
abdleadfircinit |   1.628271   .5028705     3.24   0.001     .6426631    2.613879
     democracy2 |  -1.451663   .7507005    -1.93   0.053    -2.923009    .0196826
     lnenergy_2 |  -.0232611   .0965324    -0.24   0.810     -.212461    .1659389
       lntpop_2 |    .138286   .1566324     0.88   0.377    -.1687079    .4452799
    mountainous |  -.4102022   .9608147    -0.43   0.669    -2.293364     1.47296
       newstate |   .2772909   1.073757     0.26   0.796    -1.827235    2.381816
          _cons |   -3.30543   2.025131    -1.63   0.103    -7.274615     .663754
```

```
----------------+----------------------------------------------------------------
abdfircinit     |
          cap_1 |   4.281933   .3446683    12.42   0.000     3.606395     4.95747
     lndistance |   -.068758   .0094907    -7.24   0.000    -.0873595   -.0501564
          _cons |  -3.370299   .0521284   -64.65   0.000    -3.472468   -3.268129
----------------+----------------------------------------------------------------
        /athrho |   .3332255   .5806518     0.57   0.566     -.804831    1.471282
----------------+----------------------------------------------------------------
            rho |   .3214161   .5206656                     -.6667289    .8998217
------------------------------------------------------------------------------
LR test of indep. eqns. (rho = 0):   chi2(1) =     0.31   Prob > chi2 = 0.5770
```

Restoration FIRC, with All FIRC as Selection Variable

```
heckprobit civwar10_2014 abdrestfircinit democracy2 lnenergy_2 lntpop_2 mountainous newstate,
select(abdfircinit = cap_1 lndistance) first

Fitting probit model:

Iteration 0:   log likelihood = -48.144858
Iteration 1:   log likelihood = -36.474329
Iteration 2:   log likelihood = -35.923017
Iteration 3:   log likelihood = -35.916695
Iteration 4:   log likelihood = -35.916695

Fitting selection model:

Iteration 0:   log likelihood = -682.21967
Iteration 1:   log likelihood = -656.15037
Iteration 2:   log likelihood = -604.81076
Iteration 3:   log likelihood =  -604.4081
Iteration 4:   log likelihood = -604.40745
Iteration 5:   log likelihood = -604.40745

Probit regression                                 Number of obs     =    180,472
                                                  LR chi2(2)        =     155.62
                                                  Prob > chi2       =     0.0000
Log likelihood = -604.40745                       Pseudo R2         =     0.1141

------------------------------------------------------------------------------
 abdfircinit |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       cap_1 |   4.275967   .3453349    12.38   0.000     3.599123    4.952811
  lndistance |  -.0694727   .0093863    -7.40   0.000    -.0878695   -.0510759
       _cons |   -3.36713   .0517401   -65.08   0.000    -3.468539   -3.265722
------------------------------------------------------------------------------

Comparison:    log likelihood = -640.32415

Fitting starting values:

Iteration 0:   log likelihood =  -54.06548
Iteration 1:   log likelihood = -36.357227
Iteration 2:   log likelihood = -35.649915
Iteration 3:   log likelihood = -35.636865
Iteration 4:   log likelihood = -35.636845
Iteration 5:   log likelihood = -35.636845

Fitting full model:

Iteration 0:   log likelihood = -640.13452
Iteration 1:   log likelihood = -640.03844
Iteration 2:   log likelihood = -640.03712
Iteration 3:   log likelihood =  -640.0371

Probit model with sample selection                Number of obs     =    180,472
                                                        Selected    =         78
                                                        Nonselected =    180,394

                                                  Wald chi2(6)      =       9.16
Log likelihood = -640.0371                        Prob > chi2       =     0.1645

------------------------------------------------------------------------------
                |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
civwar10_2014   |
abdrestfircinit |  -.9796307   .4324343    -2.27   0.023    -1.827186   -.1320751
     democracy2 |  -1.193622   .6873947    -1.74   0.082    -2.540891    .1536465
     lnenergy_2 |  -.0646699   .0902308    -0.72   0.474    -.2415191    .1121792
       lntpop_2 |   .2316547   .1436137     1.61   0.107     -.049823    .5131324
    mountainous |   .0522343   .8186357     0.06   0.949    -1.552262    1.656731
       newstate |   .1265107   .8568949     0.15   0.883    -1.552972    1.805994
          _cons |  -2.951713   1.766187    -1.67   0.095    -6.413376    .5099497
----------------+-------------------------------------------------------------
abdfircinit     |
```

```
          cap_1 |   4.285839   .3441774    12.45   0.000     3.611264    4.960415
     lndistance |  -.0682497   .0095499    -7.15   0.000    -.0869672   -.0495322
          _cons |  -3.372527   .0523397   -64.44   0.000    -3.475111   -3.269943
----------------+------------------------------------------------------------------
        /athrho |    .430422   .5453297     0.79   0.430    -.6384046    1.499249
----------------+------------------------------------------------------------------
            rho |   .4056739   .4555841                     -.5638123    .9050124
------------------------------------------------------------------------------
LR test of indep. eqns. (rho = 0):   chi2(1) =     0.57   Prob > chi2 = 0.4486
```

Table 3.15R. Cases of Failed Foreign-Imposed Regime Changes, 1816-2008

Target	Intervener	Year	Leader(s) Targeted
El Salvador	Guatemala	1844	Francisco Malespín
El Salvador	Honduras	1845	Joaquin Eufracio Guzman
Guatemala	Honduras	1850	Rafael Carrera
Guatemala	Honduras	1852	Rafael Carrera
Honduras	Guatemala	1852	Trinidad Cabañas
Ecuador	Colombia	1863	Gabriel Garcia Moreno
El Salvador	Guatemala	1885	Rafael Zaldivar
Guatemala	El Salvador	1890	Manuel Lisandro Barillas
El Salvador	Guatemala	1890	Carlos Ezéta
Guatemala	El Salvador	1906	Manuel Estrada Cabrera
El Salvador	Guatemala	1906	Pedro José Escalón
Iran	Russia	1911	Nasir al-Mulk (regent for Soltan Ahmad Shah Qajar)
Germany	UK	1914	Kaiser Wilhelm II
Austria-Hungary	UK	1914	Emperor Franz Josef
Russia	UK	1918	Vladimir Lenin
Russia	U.S.	1918	Vladimir Lenin
Russia	France	1918	Vladimir Lenin
Russia	Italy	1918	Vladimir Lenin
Russia	Japan	1918	Vladimir Lenin
Lithuania	Poland	1919	Mykolas Sleževičius
Finland	USSR	1939	Kyösti Kallio
Italy	UK	1943	Benito Mussolini
Italy	U.S.	1943	Benito Mussolini
North Korea	U.S.	1950	Kim Il-sung
Indonesia	U.S.	1954	Sukarno
Syria	U.S.	1955	Shukri al-Kuwatli
Egypt	Israel	1956	Gamel Abdel Nasser
Egypt	France	1956	Gamel Abdel Nasser
Egypt	UK	1956	Gamel Abdel Nasser
Cuba	U.S.	1959	Fidel Castro
DRC	U.S.	1960	Patrice Lumumba
Egypt	Israel	1969	Gamel Abdel Nasser
Chile	U.S.	1970	Salvador Allende
Afghanistan	U.S.	1980	Babrak Karmal, Mohammad Najibullah
Iraq	Iran	1980	Saddam Hussein
Nicaragua	U.S.	1981	Daniel Ortega
Iran	Iraq	1982	Ayatollah Khomeini
Lebanon	Israel	1982	Elias Sarkis
Chad	Libya	1983	Hissène Habré
DRC	Rwanda	1998	Laurent Desire Kabila
DRC	Uganda	1998	Laurent Desire Kabila

Table 3.16R. List of Variables

A. Country-Year Dataset, 1816-2008 (Chapter 3)

Variable Label	Variable Description	Data Source
ccode2	Country code	COW
year	Year	NA
abbrev	Country abbreviation	COW
cw1000on2014	State experiences civil war onset in year of observation	COW, v.4, Gleditsch 2004, Clodfelter 2008
civwar10_2014	State experiences a civil war in year of observation or any of the 10 subsequent years	COW, v.4, Gleditsch 2004, Clodfelter 2008
abdfircstate	State experienced foreign-imposed regime change at some point from 1816-2008	Author
abdfirctarg	Foreign-imposed regime change, all types	Author based on multiple sources
abdfirctarg5	Foreign-imposed regime change, all types, coded 1 from year of FIRC to 5 years after	Author based on multiple sources
abdfirctarg10	Foreign-imposed regime change, all types, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdfircperm	Foreign-imposed regime change, all types, coded 1 from year of FIRC to end of time series	Author based on multiple sources
abdleaderfirc	Leadership foreign-imposed regime change	Author based on multiple sources
abdleaderfirc5	Leadership foreign-imposed regime change, coded 1 from year of FIRC to 5 years after	Author based on multiple sources
abdleaderfirc10	Leadership foreign-imposed regime change, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdleaderfircperm	Leadership foreign-imposed regime change, coded 1 from year of FIRC to end of time series	Author based on multiple sources
abdinstfirc	Institutional foreign-imposed regime change	Author based on multiple sources
abdinstfirc5	Institutional foreign-imposed regime change, coded 1 from year of FIRC to 5 years after	Author based on multiple sources
abdinstfirc10	Institutional foreign-imposed regime change, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdinstfircperm	Institutional foreign-imposed regime change, coded 1 from year of FIRC to end of time series	Author based on multiple sources
abdrestleadfirc	Restoration foreign-imposed regime change	Author based on multiple sources
abdrestleadfirc5	Restoration foreign-imposed regime change, coded 1 from year of FIRC to 5 years after	Author based on multiple sources
abdrestleadfirc10	Restoration foreign-imposed regime change, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdrestleadfircperm	Restoration foreign-imposed regime change, coded 1 from year of FIRC to end of time series	Author based on multiple sources
fircattempt10	Failed attempt at foreign-imposed regime change, all types, coded 1 from year after attempt ended to 10 years after	Author based on multiple sources
abdfirctargboth	Successful and failed attempts at foreign-imposed regime change, all types, coded 1 in year of success or end of failed attempt	Author based on multiple sources
abdfirctargimp10	Foreign-imposed regime change, all types, intervener directly imposes new leader, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdleaderfircimp10	Leadership foreign-imposed regime change, all types, intervener directly imposes new leader, coded 1 from year of FIRC to 10 years after	Author based on multiple sources

abdfirctargnoimp10	Foreign-imposed regime change, all types, intervener does not directly impose new leader, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdleaderfircnoimp10	Leadership foreign-imposed regime change, all types, intervener does not directly impose new leader, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdleader10fircnocov	Leadership foreign-imposed regime change, covert cases omitted, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdrestleadfirc10nocov	Restoration foreign-imposed regime change, covert cases omitted, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
abdleaderfirc10noww2	Leadership foreign-imposed regime change, German and Italian cases during WW2 omitted, coded 1 from year of FIRC to 10 years after	Author based on multiple sources
lorcovfircfailbook10	Failed covert foreign-imposed regime changes, coded 1 from year after attempt ended to 10 years after	O'Rourke 2018
successfirc_covfail	Coded 1 if foreign imposed regime change succeeded or covert foreign-imposed regime change failed in year of observation	Author; O'Rourke 2018
lnpec4_fill	Primary energy consumption (log)	COW, v.4
lntpop4_banks	Population (log)	COW supplemented by Banks and Wilson 2020
mountainous	Percent mountainous terrain	Fearon and Laitin 2003
newstate	State in first 2 years of existence	Fearon and Laitin 2003
democracy	State is a democracy	Boix, Miller, and Rosato 2012
losewar5	State lost an interstate war in year of observation or prior 5 years	COW, v.4
losewar10	State lost an interstate war in year of observation or prior 10 years	COW, v.4
interwar	State is involved in an interstate war	COW, v.4
cw1000ongoing2014l1	Ongoing civil war in previous year	COW, v.4, Gleditsch 2004, Clodfelter 2008
Cw1000ongoing2014_3	Ongoing civil war in any of the three years prior to year of observation	COW, v.4, Gleditsch 2004, Clodfelter 2008
elfroeder	Ethnolinguistic fractionalization	Roeder 2001
ldiscrimpop	Percent of population consisting of ethnic groups experiencing discrimination (log)	Wimmer, Cederman, and Min 2009
lexclpop	Percent of population consisting of excluded ethnic groups (log)	Wimmer, Cederman, and Min 2009
allydum	State is a member of an alliance	COW, v.4
cow_defense	State is a member of a defense pact	COW, v.4
lninc	GDP per capita (log)	Boix 2008
lnycap	GDP per capita (log)	Boix 2008
lnirst4_fill	Sum of iron and steel production (log)	COW, v.4
lncinc4	Composite index of national capability (log)	COW, v.4
oil_colgan	Gross revenues from oil exports comprise 10 percent or more of state's GDP	Colgan 2010
oil_ross	State's per capita revenue from oil and gas	Ross 2012
gdbuffer	State is a buffer state	Fazal 2007
bbuffer	State is a buffer state	Fazal 2007
legitimacy	Coded 0 if state recognized only by treaty with Britain or France; coded 1 if state received British and French diplomatic missions OR were members of League of Nations or United Nations	Fazal 2007
vandemoc	Polyarchy (democracy)	Vanhanen 2000
occ_wex	State is under foreign occupation in year of observation, 1900-2010	Collard-Wexler 2013
occ_wexplus	State is under foreign occupation in year of observation, 1816-2010	Collard-Wexler 2013, Downes

polinstability_fl	Dummy variable indicating whether state had a 3 or greater change on Polity IV regime index in any of the 3 years prior to year of observation	Fearon and Laitin 2003
polinstability_wf	Average of absolute value of change in state's Polity 2 score for each of 5 years prior to year of observation	Willard-Foster 2018
abdfirc10pec	Interaction between abdfirctarg10 and lnpec4_fill	Author and COW, v.4
abdleadfirc10pec	Interaction between abdleaderfirc10 and lnpec4_fill	Author and COW, v.4
abdinstfirc10pec	Interaction between abdinstfirc10 and lnpec4_fill	Author and COW, v.4
abdrestfirc10pec	Interaction between abdrestfirc10 and lnpec4_fill	Author and COW, v.4
abdfirc10elf	Interaction between abdfirctarg10 and elfroeder	Author and Roeder 2001
abdleadfirc10elf	Interaction between abdleaderfirc10 and elfroeder	Author and Roeder 2001
abdinstfirc10elf	Interaction between abdinstfirc10 and elfroeder	Author and Roeder 2001
abdrestfirc10elf	Interaction between abdrestfirc10 and elfroeder	Author and Roeder 2001
abdfirc10lose	Interaction between abdfirctarg10 and losewar10	Author and COW, v.4
abdleadfirc10lose	Interaction between abdleaderfirc10 and losewar10	Author and COW, v.4
abdinstfirc10lose	Interaction between abdinstfirc10 and losewar10	Author and COW, v.4
abdrestfirc10lose	Interaction between abdrestfirc10 and losewar10	Author and COW, v.4
peaceyrs _spline1 _spline2 _spline3	Years since previous civil war and 3 cubic splines	NA

TABLE 3.17R. ANNOTATED LIST OF CIVIL WARS IN THE DATASET USED IN CHAPTER 3

Year	State	Name	Source	Notes
1816	*Haiti*	*Santo Domingo, 1806-20**	*MC08, 319-20**	*Deleted. Ongoing since 1806*
1818	Russia	First Caucasus War, 1818-22	COW4.0Intra	Changed: COW4.0Intra: First Caucasus War, 1818-22. MC08, 230: war in Daghestan from 1818 to 1820. Formerly Russia-Georgians, 1816-25
1819	Argentina	Buenos Aires, 1819-20*	KSG	COW4.0Nonstate: Buenos Aires War of 1820, Non-State #1503
1820	*Turkey/Syria*	*Sidon-Damascus, 1820-21**	*COW4.0Non*	*Communal conflict inside Ottoman Empire*
1820	Two Sicilies	Anti-Monarchists, 1820-21	All	RESTFIRC, 1821
1821	Italy	Sardinian Revolt, 1821	All	
1821	Turkey	Greek Independence, 1821-28	All	
1821	Thailand	Siam-Kedah, 1821*	KSG, COW4.0Non	Siam was an independent state.
1821	Spain	Spanish Royalists, 1821-23	All	RESTFIRC, 1823
1823	Haiti	Santo Domingo, 1823*	KSG; Kohn 2007, 224	Kohn 2007 has the war in 1822
1824	*Turkey/Egypt*	*Egypt-Mehdi, 1824*	*COW4.0Intra*	*Communal conflict; Egypt not a state*
1825	Mexico	Mexico-Yaqui Indians, 1825-27*	COW4.0Non; MC08, 323	3,000 killed (MC08, 323)
1825	China	China-Keshargia, 1825-31*	COW4.0Non; MC08, 243	40,000 dead on both sides (MC08, 243)
1826	Turkey	Janissary Revolt, 1826	All	
1826	*Thailand*	*Viang Chan-Siamese, 1826-27**	*COW4.0Non*	*COW4.0Non, NS #1511. Attempt by king of Vientiane to end Siamese suzerainty over his country, which was a vassal state of Thailand*
1828	Argentina	Unitarian-Federalist, 1828-31*	KSG; MC08, 337-38	Also in COW4.0Non, 1829-31, NS #1513
1828	Portugal	Miguelite War, 1828-34	All	
1829	Chile	Liberals-Conservatives, 1829-30*	KSG; MC08, 350	
1829	*Russia*	*Russia-Circassians, 1829-40*	*KSG*	*Deleted. Add First Murid below. COW4.0Intra calls this First Murid War, 1830-32; see below*
1830	Netherlands	Belgian Independence, 1830-31	All	
1830	France	France-Liberals, 1830	All	
1830	Turkey	Albanians, 1830-31	All	
1830	*China*	*China-Kokand, 1830-31**	*COW4.0Non*	*Deleted. Kokand was a khanate in Central Asia*
1830	Russia	First Murid, 1830-32	COW4.0Intra	MC08, 230: first Murid rebellion from 1830-33 under Imam Kazi Mullah
1831	Russia	Poles, 1831	All	

1831	Turkey	First Syrian War, 1831-32	All	
1831	*Turkey/Egypt*	*Egyptian Taka Expedition, 1831-32*	*COW4.0Intra*	*Deleted. Communal conflict; Egypt not a state*
1832	Mexico	Liberals, 1832	All	MC08, 323, also has a Yaqui War
1833	Argentina	Argentina-Ranqueles Indian War, 1833-34*	KSG; COW4.0Non	Argentina was a state. MC08, 348: "as many as 6,000 natives killed"
1833	Spain	First Carlist, 1833-40	All	I code starting in 1833 based on MC08, 188
1834	*Russia*	*Second Murid, 1834*	*COW4.0Intra*	*Deleted. No mention of this conflict in MC08, 230*
1834	*Turkey/Egypt*	*Egypt-Palestinian Revolt, 1834*	*COW4.0Intra*	*Deleted. Communal conflict*
1835	Mexico	Texans, 1835-36	All	
1835	Brazil	Farrapos, 1835-45	All	
1835	Brazil	Cabanos/Cabanagem, 1835-37	COW4.0Intra; MC08, 338	
1836	Turkey	Bosnians, 1836-37	All	
1836	Russia	Third Murid, 1836-52	COW4.0Intra	Really continues until 1859, which is when Shamil is finally defeated, per MC08, 231
1837	Brazil	Sabinada Rebellion, 1837-38	MC08, 338; COW4.0Intra	
1837	*Turkey*	*Druze Rebellion, 1837-38*	*COW4.0Intra*	*Against Egyptians in Syria*
1839	Uruguay	Colorados-Blancos, 1839-51*	MC08, 339	Uruguay was a state
1839	Turkey	Second Syrian War, 1839-40	KSG; COW4.0Intra	
1839	Argentina	Anti-Rosas War, 1839-40*	COW4.0Non	Argentina was a state
1840	Colombia	Progressives, 1840-42	All	
1840	Afghanistan	Anti-British Revolt, 1840-42*	ABD	Afghanistan was a state. Lots of case specific sources.
1840	*Turkey*	*Lebanon Insurgency*	*COW4.0Intra*	*Deleted. Communal conflict*
1840	Turkey	Second Syrian, Phase 2, 1840	COW4.0Intra, MC08, 231	
1841	Argentina	Unitarios, 1841-42	KSG; COW4.0Intra	
1841	Turkey	Bosnians, 1841	All	
1841	Mexico	Triangular Revolt, 1841	COW4.0Intra	
1842	Turkey	Karbala Revolt, 1842-43	COW4.0Intra	
1844	*Haiti*	*Santo Domingo, 1844-45**	*COW4.0Non*	*Deleted. MC08, 324, indicates battle deaths in the 100s*
1845	*Turkey*	*Maronite-Druze War, 1845*	*COW4.0Intra*	*Deleted. Communal conflict*
1846	*Russia*	*Cracow Revolt, 1846**	*Not in COW4.0Intra*	*Deleted. Very brief mention in MC08, 208*
1847	Mexico	Mayan Caste War, 1847-55	All	COW4.0Intra has in 2 phases: 1847, 1848-55

1847	Spain	Second Carlist, 1847-49	All	
1847	*China*	*Second Kashagaria, 1847-48*	*KSG*	*Deleted: Kingdom in Central Asia; looks like extrasystemic*
1848	France	Republicans, 1848	All	
1848	Austria	Viennese, 1848	All	
1848	Austria	Hungarians, 1848-49	All	
1848	Two Sicilies	Liberals, 1848-49	All	
1848	Austria	Milan Five Days, 1848	COW4.0Intra	
1848	Venezuela	Conservatives, 1848-49	COW4.0Intra	
1851	Chile	Liberals	All	
1851	Argentina	Urquiza vs. Rosas, 1851-52*	MC08, 339-40	
1851	*France*	*Royalists**	*KSG*	*Deleted. MC08, 188, reports 400 French Army casualties, plus a max of 400 civilian deaths.*
1852	Turkey	Montenegrins, 1852-53	All	
1853	Peru	Liberals, 1853-55	KSG, COW4.0Intra	
1854	*Colombia*	*1854**	*KSG*	*Deleted. No longer listed in any COW4.0 dataset*
1854	Nicaragua	Filibuster War, 1854-57*	KSG, COW4.0Non	MC08, 325-26
1855	*Mexico*	*Puebla War, 1855-56*	*COW4.0Intra*	*Can't find any evidence of this war taking place*
1856	*China*	*Han-Panthay Phase 1, 1856-60**	*COW4.0Non*	*Deleted. Communal conflict*
1856	Peru	Second Peru War, 1856-58	All	
1857	*China*	*Khokhand, 1857**	*KSG*	*Deleted. war vs. non-state actor outside of China*
1858	Mexico	Liberals, Reform War, 1858-61	All	
1858	Turkey	Second Montenegrin, 1858-59	All	
1859	Venezuela	Federalists/Liberals, 1859-63	All	
1859	Chile	Liberals-Conservatives, 1859	MC08, 350	
1859	Argentina	Urquiza vs. Mitre, 1859	MC08, 340	Federalists vs. Centralists
1860	Colombia	Liberals, 1860-62	All	
1860	China	Taipings	All	
1860	China	Nien	All	
1860	China	Miao	All	
1860	China	Panthays	COW4.0Intra	
1860	*Turkey*	*Second Maronite-Druze*	*COW4.0Intra*	*Deleted. Communal conflict*
1861	USA	Civil War	All	
1861	Argentina	Urquiza vs. Mitre, II, 1861	All; MC08, 340	
1861	Ethiopia*		KSG	Ethiopia was a state. COW4.0Non has Ethiopian War from 1858-61

1862	Bolivia	Perez Rebellion, 1862	COW4.0Intra, Scheina 2003, v.1, 265	
1862	Turkey	Third Montenegrin, 1862	All	COW4.0Intra has starting in 1861
1862	China	Tungan Rebellion, 1862-73	COW4.0Intra; MC08, 250	
1862	*Thailand*	*Siam-Cambodia, 1862-63**	*KSG*	*Deleted. No longer listed in any COW4.0 dataset, and find anywhere else*
1862	*USA*	*Sioux-Minnesota War, 1862*	*COW4.0Intra*	*MC08, 277-78, has low battle death totals*
1863	Argentina	Montoneros, 1863	All	
1863	Russia	Poles, 1863-64	All	
1863	China	Xinjiang Muslims, 1863-77	KSG; MC008, 251	COW4.0Intra has 1864-71
1863	Afghanistan	War of Succession, 1863-69*	Ewans 2002, 78-79	Dost Mohammad's sons
1864	Mexico	Anti-French Revolt, 1864-67*	MC08, 327-28	Resistance to French occupation
1866	Argentina	Federalists	All	
1866	Turkey	First Cretan, 1866-67	All	
1866	China	Yellow Cliff Revolt, 1866	COW4.0Intra	Added. Terry and Chang 1980.
1867	*Mexico*	*Queretaro War, 1867*	*COW4.0Intra*	*Refers to the overthrow of Emperor Maximilian, who was captured and executed in Queretaro in 1867. This is the end of the anti-French revolt that began in 1864*
1868	Ethiopia	War to succeed Theodore II*	COW4.0Non, KSG, Kohn 2007	Changed to 1868-72
1868	Venezuela	Conservatives, 1868-71	All	
1868	Japan	Meiji Restoration, 1868	COW4.0Intra, MC08, 250	
1868	Spain	Liberals	All	
1869	Haiti	Cacos	COW4.0Intra, MC08, 329	
1870	Argentina	Entre Rios Province, 1870-71	All	
1870	Uruguay	Colorados-Blancos, 1870-72	All; MC08, 410, COW4.0Non	KSG has 1863-72;
1870	Bolivia	Criollos War, 1870-71	COW4.0Intra	Added. 1,087 died in the final battle that removed Gen. Melgarejo from power; Scheina 2003, v. 1.
1871	France	Communards, 1871	All	
1872	Spain	Third Carlist War, 1872-76	All	
1874	Argentina	Mitre-led rebels, 1874	All	
1874	Spain	Cantonalist Uprising, 1874-75	COW4.0Intra	MC08, 203-04, puts deaths at several thousand

1875	Turkey	Christian Bosnians, 1875-77	All	
1876	*China*	*Defeat of Xinjiang Muslims, 1876-77*	*COW4.0Intra*	*This is the end of the war that started in 1863 vs. Muslims of Xinjiang*
1876	*USA*	*Sioux Indians, 1876**	*KSG*	*Deleted. MC08, 280-81 puts U.S. deaths at 283 and Indians at 200*
1876	Mexico	Diaz Revolt, 1876	All	
1876	Colombia	Liberals, 1876-77	All	
1877	Japan	Satsumas, 1877	All	
1879	Afghanistan	Anti-British War, 1879-80*	MC08, 241-42	Added. Anglo-Indian dead = 1,850 in combat, 8,000 from disease; Afghans about 5,000 in 7 battles
1879	Argentina	Indian Wars, 1879-80	COW4.0Intra; MC08, 348	
1880	Argentina	Buenos Aires, 1880	All	
1882	Peru	Resistance vs. Chilean Occupation, 1882-84*	Case specific sources	Added. Usually treated as part of the interstate War of the Pacific (Chile vs. Peru and Bolivia). As explained in the book, however, the interstate phase ended with the conquest of Lima; the remainder was guerrilla resistance vs. the Peruvian occupiers.
1883	Haiti	Civil War, 1883-84	MC08, 330; COW4.0Intra	
1884	Colombia	Liberals, 1884-85	All	
1884	Peru	Iglesias vs. Caceres, 1884-85	COW4.0Intra; Farcau 2000, 192	COW says 1885
1885	Peru	Atusparia Uprising, 1885*	Blanchard 1982, 455	Overthrow of Iglesias
1886	Afghanistan	Ghilzai Revolt, 1886	Fletcher 1965, 146	
1888	*Turkey*	*Second Cretan, 1888-89**	*KSG*	*Deleted. No mention of this one in MC08, not in COW4.0Intra*
1888	Afghanistan	Uzbek Revolt, 1888*	Ewans 2002, 74	Fletcher 1965, 146-47
1890	Turkey	First Yemeni Rebellion, 1890-92	COW4.0Intra	
1891	Chile	Congressists, 1891	All	
1891	Afghanistan	Hazaras, 1891-*	Fletcher 1965, 147-48	
1891	China	Zaili-Jinden Revolt, 1891	COW4.0Intra	
1893	Brazil	Rio Grande do Sul, 1893-94	All	
1893	Brazil	Naval Royalists, 1893-94	All	
1894	Peru	Liberals, 1894-95	All	
1894	Korea	Tonghak Rebellion, 1894-95	COW4.0Intra, MC08, 251-52	

1895	Colombia	Conservatives-Liberals, 1895	COW4.0Intra	
1895	Ecuador	Liberals, 1895	COW4.0Intra	
1895	China	First Gansu Muslim, 1895-96	COW4.0Intra	
1896	Turkey	Cretans, 1896-97	All	
1896	Turkey	Druzes, 1896	All	COW4.0Intra has 1895-96
1896	Brazil	Canudos, 1896-97	All	MC08, 351
1896	Afghanistan	Kafirs, 1896*	Fletcher 1965, 148	
1899	Colombia	Thousand Days, 1899-1902	All	
1899	Venezuela	Castro-led rebels, 1899	All	
1899	Mexico	Yaqui rebellion, 1899-1900	COW4.0Intra; MC08, 323	
1900	China	Boxer Rebellion, 1900	MC08, 383	30,000 Chinese Christians killed by Boxers
1901	Venezuela	Matos-led rebels, 1901-03	All	
1903	Turkey	Illinden, 1903	All	
1904	Uruguay	Blancos	All	
1904	Turkey	Second Yemeni, 1904-06	COW4.0Intra	
1905	Russia	Bloody Sunday, 1905-06	All	
1907	Romania	Peasant revolt, 1907	All	
1907	Morocco	Fez caids, 1907	KSG, COW4.0Intra	COW calls this overthrow of Abd el-Aziz
1907	Korea	Anti-Japan, 1907-10*	MC08, 387; COWExtra4.0	Resistance to Japanese occupation
1908	Iran	Constitutionalists, 1908-09	All	
1909	Turkey	Young Turks counter-coup	COW4.0Intra	
1910	Mexico	Liberals/Radicals, 1910-14	All	
1910	Turkey	Second Albanian, 1910-12	COW4.0Intra	
1910	Turkey	Asir-Yemen Revolt, 1910-11	COW4.0Intra	
1911	Morocco	Fez caids, 1911*	KSG	
1911	Paraguay	Liberals, 1911-12	All	
1911	China	Republicans, 1911	All	COW: First Nationalist
1912	Cuba	Black Uprising, 1912	COW4.1Intra; MC08, 406	
1912	Nicaragua	Liberals-Conservatives, 1912*	Gobat 2005, 120	
1912	Ecuador	Civil War, 1912-14	COW4.0Intra, MC08, 351	

1913	China	Republicans, 1913	All	Republicans
1914	China	Pai Ling, 1914	All	
1914	Mexico	Convention-Constitution, 1914-20	COW4.0Intra	COW: Fourth Mexican
1916	Russia	Kirghiz & Kazables, 1916-17	All	COW: Kirghiz and Kazaks
1917	Russia	Nationalities, 1917-21	KSG	COW4.1Intra has 1916
1917	Russia	Anti-Bolsheviks, 1917-21	All	
1917	China	Yunnan Rebels, 1917-18	All	COW4.0Intra has 1916-18
1918	Haiti	Caco Revolt, 1918	MC08, 406; COW4.0Extra	Against U.S. occupation
1918	Finland	Communists, 1918	All	
1918	*Russia*	*Ukrainian Poles vs. Ukrainians*	*COW4.0Intra*	*Deleted. Communal conflict*
1919	*Germany*	*Socialists vs. Freikorps*	*COW4.0Intra*	*Deleted. Communal conflict*
1919	Hungary	Communists, 1919-20	All	
1920	*China*	*First Chinese Warlord, 1920*	*COW4.0Intra*	*Deleted. Communal conflict*
1920	Iran	Iran vs. SSRI, 1920-21	COW4.0Intra	
1920	*Italy*	*Fascists vs. Leftists*	*COW4.0Intra*	*Deleted. Communal conflict*
1920	Russia	Green Rebellion, 1920-21	COW4.0Intra, MC08	
1921	Russia	Kronstadt Rebellion	COW4.0Intra	
1921	Russia	Basmachi in Turkestan, 1921-23	COW4.0Intra	
1922	*China*	*Second Chinese Warlord, 1922*	*COW4.0Intra*	*Deleted. Communal conflict*
1923	Mexico	De La Huerta, 1923-24	All	
1923	Bulgaria	Agrarian League, 1923	All	
1924	Honduras	Conservatives, 1924	All	
1924	Afghanistan	Anti-Reform War, 1924-25	All	
1925	*China*	*Third Chinese Warlord, 1925-26*	*COW4.0Intra*	*Deleted. Communal conflict*
1926	China	Northern Expedition, 1926-28	All	
1926	Mexico	Cristeros Revolt, 1926-30	All	
1926	Nicaragua	Liberals vs. Conservatives, 1926-27 Sandino Revolt, 1927-33	Scheina, vol. 2, 57-72	47 Marines KIA, 48 Guardia Nacional, 1,115 rebels (ibid., 72), seemingly only in the war against Sandino from 1927-33.
1928	Afghanistan	Anti-Reform War, 1928-29	All	
1928	China	Muslims, 1928	All	COW10 has 1928-30
1928	Ethiopia	Ethiopian Northern Resistance	COW4.0Intra	
1929	Mexico	Escobar Rebellion, 1929	All	

1929	Saudi Arabia	Ikhwan, 1929-30	All	
1929	China	Warlords, 1929-30	All	
1930	China	Communists, 1930-35	All	
1931	Russia	Central Asian Rebels, 1931-34	All	
1932	El Salvador	Matanza, 1932	All	
1932	Peru	Apristas, 1932	All	
1932	Brazil	Paolistas, 1932	All	
1934	China	Fukien Revolt, 19th Route Army	COW4.0Intra; MC08, 389-90	
1934	Spain	Asturian miners, 1934	All	
1936	Spain	Republicans-Nationalists, 1936-39	All	
1937	Ethiopia	Anti-Italians, 1937-41*	ABD	MC08, 382. Sbacchi 1997: 93 calculates 9,555 Italian/colonial troop casualties for the pacification of Ethiopia, 1936-40. Official figures were 5,176 dead and 9,464 wounded.
1941	Yugoslavia	Anti-German partisans, 1941-44*	ABD	Chetniks, Partisans.
1941	Greece	Anti-German partisans, 1941-44*	ABD	
1942	France	Anti-German, 1942-44*	ABD	Partisans
1943	Italy	Anti-German, 1943-45*	ABD	
1943	Albania	Anti-German, 1943-44*	ABD	Communists
1944	Guatemala	Anti-Ubico uprising, 1944*	MC08, 677	
1944	Greece	Communists, 1944-49	All	
1945	Poland	Polish Ukrainians, 1945-47	COW4.0Intra	
1945	Russia	Baltics, Forest Brethren, 1945-51	Sambanis, COW4.0Intra	
1945	Russia	Ukrainians, 1945-47	Sambanis, COW4.0Intra	
1946	China	Communists, 1946-49	All	
1947	Paraguay	Leftists, 1947	All	
1947	China	Taiwan, 1947	All	
1947	*India*	*Partition violence, 1947**	*Sambanis*	*Deleted. Coded by COW4.0 as a non-state war/communal conflict; not coded by UCDP*
1948	Costa Rica	National Union Party, 1948	All	
1948	Colombia	La Violencia, 1948-58	All	COW4.0Intra has 1948-1958
1948	Yemen	Yahya Family, 1948	All	
1948	Burma	Karens, 1948-51	All	Karens, Communists, Kachins, Shan, Mon

1949	ROK	Cheju, 1949*	MC08, 697	27,719 deaths, according to ROK government, but most likely higher; Cumings, 121, 130.
1949	*Colombia*	*Liberals, 1949-62**	*KSG*	
1950	*China*	*Tibet, 1950-51**	*Sambanis*	*Deleted. Tibet was de facto independent*
1950	Philippines	Huks, 1950-52	All	
1950	Indonesia	Moluccans, 1950	All	
1952	Bolivia	Leftists, 1952	All	
1953	Indonesia	Darul Islam, 1953	All	
1954	Guatemala	Conservatives*	KSG, COW97	Not many killed in actual fighting, but over 1,000 killed in repression in immediate aftermath.
1955	Argentina	Army	All	
1956	China	Tibetans, 1956-59	All	
1956	Indonesia	Leftists, 1956-60	All	
1958	Lebanon	Leftists, 1958	All	
1958	Cuba	Castro, 1958-59	All	
1958	*Burma*	*Karens and Communists, 1958-60*	*COW4.0Intra*	*Deleted. Nothing in UCDP to indicate 1958 is special*
1959	Iraq	Shammar, 1959	All	
1960	DRC	Katanga, 1960-65	All	
1960	Laos	Pathet Lao, 1960-72	All	COW4.0Intra codes only 1960-62, restart in 1963
1960	S. Vietnam	Vietcong, 1960-65	All	
1961	Iraq	Kurds, 1961-63	All	
1962	Algeria	Harkis, 1962-63	All	
1962	Yemen A.R.	Royalists, 1962-69	All	
1963	*Cyprus*	*Turks-Greeks, 1963-64**	*Sambanis*	*Deleted. MC08, 577: 364 Turkish Cypriots killed/missing, 174 Greeks.*
1963	*Kenya*	*Somalis, 1963-67**	*Sambanis*	*Deleted. Not even mentioned in MC08*
1963	Rwanda	Tutsi, 1963-64	All	
1963	Sudan	Anya Nya, 1963-72	All	
1963	*Laos*	*Second Laotian Phase 1*	*COW4.0Intra*	*Deleted. Others code 1960-72 inclusive. There was a gap in 1962, but war resumed at high intensity in 1963.*
1963	Guatemala	FAR/Leftists	UCDP	UCDP codes start date in 1963, crossing 1,000 death threshold in 1968. COW4.0Intra codes start date as 1966. Initial revolt by elements of military is in 1960.
1963	DRC	Jeunesse Revolt, 1963-65	COW4.0Intra; MC08, 599	
1963	*Ethiopia*	*First Ogaden, 1963-64*	*COW4.0Intra*	*Deleted. UCDP codes conflict in 1964 with less than 1,000 battle deaths*
1964	*Zanzibar*	*Arab-African*	*COW4.0Intra*	*Deleted. Only 80 killed in actual one-day revolution; 100s or 1,000s of civilians killed in the aftermath. Conflict is not in UCDP at all.*

1964	DRC	Simba Revolt, 1964-65	COW4.0Intra; MC08, 599	
1965	*Iraq*	*Second Iraqi Kurds, 1965-66*	*COW4.0Intra*	*Deleted. UCDP says war continued after 1963 but dropped below 1,000 deaths per year for 1 year, hence the re-start.*
1965	Indonesia	OPM, West Papua, 1965-69	COW4.0Intra	UCDP codes a low-level conflict from 1965-69 never rising to more than 1,000 deaths, at least not until the conflict resumes in 1976
1965	Dom. Repub.	Leftists	All	
1965	*Burundi*	*Hutu, 1965-69**	*Sambanis*	*Deleted*
1966	Chad	FROLINAT, 1965-79	Sambanis; KSG; COW4.0/Intra	Changed to 1966; KSG/COW4.0Intra have 1966
1966	Uganda	Baganda Tribe, 1966	All	
1966	*Thailand*	*Communists, 1966-82**	*Sambanis*	*Deleted. KSG has 1970-73; see also COW4.0Intra*
1967	Nigeria	Biafra, 1967-70	All	
1967	*DRC*	*Kisangani mutiny, 1967**	*Sambanis*	*Deleted. MC08, 600, mutineers claimed 700 dead gov't troops, 78 mutineers.*
1967	China	Cultural revolution, 1967-68	All	
1967	Burma	Ethnic rebels, 1968-80	All	Changed from 1968
1969	*Iraq*	*Third Iraqi Kurds, 1969-70*	*COW4.0Intra*	*Deleted. Continuation of 1965 Second Iraqi Kurds*
1970	India	Naxalite Marxists, 1970-71	COW4.0Intra	
1970	*Guatemala*	*Second Guatemalan, 1970-71*	*COW4.0Intra*	*Deleted. Others code 1966-72; see above*
1970	Jordan	Palestinians, 1970	All	
1970	Cambodia	Khmer Rouge, 1970-75	All	COW4.0Intra has 1971; don't change
1971	UK	Northern Ireland, 1971-98*	Sambanis, UCDP	Crosses 1,000 death threshold in 1978
1971	Oman	Dhofar Rebellion, 1971-75	Sambanis	COW4.0Intra has 1973-75 (Dhofar Rebellion Phase 2); don't change
1971	Pakistan	Bengalis, 1971	All	
1971	Sri Lanka	JVP, 1971	All	
1972	Thailand	Communist Insurgency, 1972-73	COW4.0Intra	KSG has 1970-73
1972	Burundi	Hutus, 1972	All	
1972	Zimbabwe	Patriotic Front, 1972-79	All	
1972	Philippines	Moros, 1972-80	All	
1972	Philippines	NPA, 1972-92	All	
1973	Chile	Pinochet, 1973	All	
1973	Pakistan	Baluchis, 1973-77	All	
1974	Cyprus	Turks-Greeks, 1974*	Sambanis	MC08, 580: 4,500 Greek Cypriots killed, 1,614 missing and believed dead; 1,000 Turkish Cypriots killed.
1974	Ethiopia	Eritreans, 1974-91	All	COW4.0Intra has 1975-78, 1982-91

1974	Iraq	Kurds, 1974-75	All	
1974	Bangladesh	Shanti Bahini, 1974-97*	Sambanis	UCDP: begins in 1975, crosses 1,000 death threshold in 1988. MC08, 646: at least 8,500 people killed, 1973-96.
1975	Argentina	Leftists, 1975-77	COW4.0Intra, Sambanis	
1975	Angola	UNITA, 1975-91	All	
1975	Morocco	Polisario, 1975-91*	Sambanis, MC08, 592-93	COW4.0Extra
1975	Lebanon	Leftists, 1975-90	KSG	COW4.0Intra has 1975-76, 1978, 1983-84, 1989-90
1975	Indonesia	East Timor, 1975-99	Sambanis	COW4.0Intra has 1976-79
1976	Ethiopia	Ogaden, 1976-83	COW4.0Intra; KSG	
1976	*S. Africa*	*ANC, etc., 1976-94**	*Sambanis*	*Deleted*
1977	DRC	FLNC, Shaba, 1977-78	Sambanis	COW4.0Intra has 1978; MC08, 604-05
1978	*Lebanon*	*Third Lebanese, 1978*	*COW4.0Intra*	*Deleted. PLO and Shiite militia. ABD codes as one war, 1975-90*
1978	*Ethiopia*	*Second Ogaden, 1978-80*	*COW4.0Intra*	*Deleted. ABD codes as 1976-83; COW4.0Intra codes as 1976-77 and 1978-80*
1978	Guatemala	Leftists, 1978-84	All	In reality the war is continuous from 1963 to 1995. I code 1978-94.
1978	Nicaragua	Sandinistas, 1978-79	All	
1978	Colombia	FARC, ELN, 1978-	Sambanis	COW4.0Intra also has 1989-, Eighth Colombian
1978	Ethiopia	Tigreans, 1978-91	All	
1978	Iran	Anti-Shah, 1978-79	All	
1978	Afghanistan	Saur Revolution, 1978	COW4.0Intra	
1978	Afghanistan	Mujahideen, 1978-89	All	
1979	Mozambique	Renamo, 1979-92	All	
1979	El Salvador	FMLN, 1979-92	All	
1979	*Syria*	*Muslim Brotherhood, 1979-82*	*Sambanis*	*Deleted. COW4.0Intra=1981-82, see below*
1979	Cambodia	Khmer Rouge, 1979-92	All	*COW4.0Intra also has 1989-91*
1980	Nigeria	Muslims, 1980-81	All	
1980	Chad	FROLINAT, 1980-88	All	COW4.0Intra has 1980-84
1980	Uganda	NRA, Museveni, 1980-86	All	
1981	Iran	Mujahideen, 1981-82	All	COW4.0Intra has 1979-84 for anti-Khomeini Coalition
1981	Syria	Hama, Muslim Brotherhood, 1981-82	COW4.0Intra	
1982	Peru	Shining Path, 1980-95	All	Changed to 1982. Others = 1982-95
1982	Nicaragua	Contras, 1982-90	All	
1982	Somalia	Clans, 1982-97	KSG, UCDP	COW4.0Intra codes start date as 1988, and a second war in 1991. Hard to understand why given that the conflict continued uninterrupted. Government fell in 1991, but COW

				in general does not code new wars as starting in this sitation (e.g., Afghanistan in 1990s)
1983	Zimbabwe	Nbedele, 1983-87	COW4.0Intra, Sambanis	
1983	Sudan	South Sudan, 1983-2005	All	
1983	Burma	Kachins, 1983-95	All	COW4.0Intra also has 1988 (Fifth Burmese)
1983	Sri Lanka	Tamils, 1983-	All	
1984	*Nigeria*	*Muslims, 1984**	*KSG*	*Deleted*
1984	India	Sikhs, 1984-93	All	
1984	Turkey	Kurds, 1984-99	COW4.0Intra	
1985	Iraq	Kurds, 1985-93	KSG, COW4.0Intra	COW4.0Intra also has 1991
1986	Yemen P.R.	Leftists, 1986	KSG/ COW4.0Intra	
1986	Uganda	Holy Spirit Movement, 1986-87	COW4.0Intra	
1987	Israel	First Intifadah, 1987-97*	Sambanis	
1987	Sri Lanka	JVP, 1987-89*	Sambanis	
1988	Burma	Fifth Burmese, 1988	COW4.0Intra	Pro-democracy. "At least 1,000 people were killed nationwide in street violence and army roundups of dissidents," MC08, 659.
1988	*Somalia*	*First Somalia, 1988-91*	*COW4.0Intra*	*Deleted. Continuation of war starting in 1982. 1988 is when it crossed 1,000 death threshold.*
1988	*Burundi*	*Hutus, 1988*	*KSG*	*Deleted. No longer in COW, not in UCDP*
1988	PNG	Bougainville, 1988-98	Sambanis	COW4.0Intra has 1988-92
1989	Romania	Anti-communists, 1989	All	
1989	Liberia	Anti-Doe rebels, 1989-90	All	
1989	Afghanistan	Mujahideen, 1989-2001	COW4.0Intra	
1989	India	Kashmiris, 1989-2008	COW4.0Intra; Sambanis	COW4.0Intra has 1990
1989	Chad	Deby Coup, 1989-90	COW4.0Intra	
1989	Indonesia	First Aceh, 1989-91	COW4.0Intra	UCDP codes low-level conflict in 1990-91, not rising to 1,000 deaths
1990	*Mali*	*Tuaregs, Maurs, 1990-95**	*Sambanis*	*Deleted. UCDP codes low-level violence never reaching 1,000 deaths*
1990	*Uganda*	*Kony, 1990-92**	*Sambanis*	*Deleted.*
1990	Senegal	MFDC, 1989-99*	Sambanis	Changed to 1990. Not in COW; UCDP codes start date in 1990, crosses 1,000 deaths in 1998
1990	Rwanda	Tutsi/RPF, 1990-94	KSG	COW4.0Intra has 1994 only
1991	*Haiti*	*Cedras-Aristide, 1991-95*	*Sambanis*	*Deleted.*

1991	Yugoslavia	Croats, 1991-92	KSG, COW4.0Intra	
1991	Moldova	Transdniestrians, 1991-92	COW4.0Intra	
1991	Georgia	Gamsakurdia	COW4.0Intra	
1991	Azerbaijan	N-K, 1991-94	COW4.0Intra	
1991	Sierra Leone	RUF, 1991-96	KSG; COW4.0Intra	
1991	*Kenya*	*Rift Valley, 1991-93**	*Sambanis*	*Deleted. Looks like communal violence*
1991	*Djibouti*	*FRUD, 1991-94**	*Sambanis*	*Deleted. UCDP, doesn't cross death threshold*
1991	*Turkey*	*PRK, 1991-2002**	*KSG*	*Deleted. This is not a new onset, it's the first year it caused 1,000 deaths in single year*
1992	*Croatia*	*1992-95**	*Sambanis*	*Deleted*
1991	*Somalia*	*Aideed, 1991-97*	*COW4.0Intra*	*Deleted. Continuation of ongoing war.*
1992	Georgia	Abkhaz, 1991-94	KSG	Changed to 1992. COW4.0Intra has 1993-94
1992	Bosnia	Serbs, Croats, 1992-95	All	
1992	*Liberia*	*NPFL, ULIMO, 1992-95*	*KSG*	*Deleted. No longer in COW; not in UCDP*
1992	Angola	UNITA, 1992-94*	KSG	
1992	Algeria	Islamic rebels, 1992-99	All	
1992	Tajikistan	1992-97	All	
1993	Burundi	Tutsi-Hutu	KSG	Changed to 1993. COW4.0Intra has 1993-98
1993	*Congo*	*Lissouba-Sassou, 1993-98**	*Sambanis*	*Deleted*
1993	*DRC*	*Rebels, 1993**	*KSG*	*Deleted. No longer in COW*
1993	Cambodia	KR, 1993-97	KSG, COW4.0Intra	
1994	Russia	Chechens, 1994-96	All	
1994	*Egypt*	*Gamaat Islamiya, 1994-97**	*Sambanis*	*Deleted*
1994	Yemen	South Yemen	COW4.0Intra; KSG	
1994	*Pakistan*	*Mohajirs, 1994-95**	*KSG*	*Deleted. No longer in COW*
1995	Croatia	Krajina Serbs, 1995	COW4.0Intra	
1995	*Uganda*	*LRA**	*Sambanis*	*Deleted*
1996	*Liberia*	*NPLF, 1996*	*COW4.0Intra*	*Deleted. Continuation*
1996	*CAR*	*Factions, 1996-97**	*Sambanis*	*Deleted*
1996	Rwanda	ALiR	UCDP	Changed to 1996 from 1998. Conflict starts in 1996. COW4.0Intra has 1997-98
1996	DRC	Overthrow of Mobutu, 1996-97	All	
1996	Iraq	KDP Kurds, 1996	KSG, COW4.0Intra	

1996	Nepal	Maoists	Sambanis, UCDP	COW4.0Intra has 2001-03, 2003-06
1997	Congo-Braz.	FDU/Cobra Militia, 1997	COW4.0Intra	
1998	Angola	UNITA, 1997-2002	Sambanis	Changed to 1998. COW4.0Intra has 1998-2002
1998	*Sierra Leone*	*Second Sierra Leone, 1998-99*	*COW4.0Intra*	*Deleted. War simply continues on and off from 1991 to 2002.*
1998	Chad	Fourth Chad, Togoimi Revolt, 1998-2000	COW4.0Intra	MDD and MDJT
1998	Congo-Braz.	Second Congo-Brazzaville	COW4.0Intra, UCDP	Ninjas and Cocoye, 1998-99
1998	Yugoslavia	Kosovo, 1998-99	All	
1998	Guinea-Biss.	1998-99	All	
1998	DRC	Africa's World War, 1998-2002	All	
1999	Indonesia	Second Aceh, GAM, 1999-2002	COW4.0Intra, UCDP	COW4.0Intra also has 2003
1999	*Ethiopia*	*Oromo Liberation, 1999*	*COW4.0Intra*	*Deleted. UCDP shows resumption of conflict at end of 1998, but from researching it does not appear that the OLF has a presence inside the country and cannot mount major attacks*
1999	Russia	Chechens, 1999-2008	All	
2000	*Philippines*	*Second Moro, MILF, 2000-01*	*COW4.0Intra*	*Deleted. UCDP codes 1,000 deaths as occurring in 2000, which is prob why COW codes a new war, but this is simply the continuation of the long-running Moro insurgency.*
2000	Guinea	RDFG, 2000-01	COW4.0Intra	http://ploughshares.ca/pl_armedconflict/guinea-2000-2003/
2000	Liberia	LURD, 2000-03	UCDP	COW4.0Intra has 2002-03. Fighting started in 2000, crossed 1,000 threshold in 2002.
2000	Israel	Second Intifadah, 2000-08	UCDP	COW calls this an extrasystemic war
2001	*Burundi*	*Third Burundi, FNL and FROLINA, 2001-03*	*COW4.0Intra*	*Deleted. Continuation of ongoing civil war that started in 1993.*
2001	*Rwanda*	*2001*	*COW4.0Intra*	*Deleted. Continuation of ongoing war that started in 1996.*
2002	Ivory Coast	MPCI, MPIGO, MJP, 2002-04	COW4.0Intra	First civil war, North vs. South.
2003	*Philippines*	*Third Moro, MILF and Abu Sayyaf*	*COW4.0Intra*	*Deleted. Continuation of ongoing war.*
2003	Sudan	Darfur, 2003-08	UCDP, COW4.0Intra	
2003	Afghanistan	Taliban, 2003-08	UCDP	COW codes this as extrasystemic.
2004	Iraq	Former Baathists, other Sunnis, AQI	UCDP	COW codes this as extrasystemic.
2004	*Pakistan*	*Waziristan Tribes, 2004-06*	*COW4.0Intra*	*Deleted. UCDP has no conflict until 2007. There was fighting between al-Qaeda and Pakistan Army I 2004.*
2005	Yemen	Zaidi Muslims, 2004-05	COW4.0Intra	

2005	*Philippines*	*Joint Offensive, MILF & NPA, 2005-06*	*COW4.0Intra*	*Deleted. Continuation of long-running war.*
2005	Chad	FUCD, others, 2005-06	COW4.0Intra, UCDP	
2006	Somalia	Islamic Courts	COW4.0Intra	
2007	Pakistan	Pakistani Taliban, 2007-*	UCDP	
2007	*Yemen*	*Zaidi Muslims, 2007*	*COW4.0Intra*	*Deleted. Continuation of ongoing war.*

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