Catastrophic Success: Why Foreign-Imposed Regime Change Goes Wrong
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Supplementary Materials for Chapter 4, Part 1, v.2

Alexander B. Downes
downes@gwu.edu

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TABLE OF CONTENTS

Figure 4.3. Rates of Irregular and Regular Removal for Foreign-Imposed Leaders (Leader-Spell Data): Left-Hand Panel 2

Figure 4.3. Rates of Irregular and Regular Removal for Foreign-Imposed Leaders (Leader-Spell Data): Right-Hand Panel 6

Figure 4.4. Years to Irregular and Regular Removal for Foreign-Imposed Leaders (Leader-Spell Data): Left-Hand Panel 10

Figure 4.4. Years to Irregular and Regular Removal for Foreign-Imposed Leaders (Leader-Spell Data): Right-Hand Panel 12

Rates of Irregular Removal for Foreign-Imposed Leaders (Leader-Spell Data; Not in Book) 14

Rates of Regular Removal for Foreign-Imposed Leaders (Leader-Year Data; Not in Book) 18

Years to Irregular Removal for Foreign-Imposed Leaders (Leader-Year Data; Not in Book) 22

Years to Regular Removal for Foreign-Imposed Leaders (Leader-Year Data; Not in Book) 24

Code for Figures 4.5 And 4.6. Kaplan-Meier Functions for Types of Foreign-Imposed Regime Change and Irregular and Regular Removal From Office (Leader-Spell Data) 26

Code for Table 4.3. Competing Risks Analysis of Irregular Removal from Office, 1919-2004, Leader-Year Data 27

Table 4.3. Competing Risks Analysis of Irregular Removal from Office, 1919-2004, Leader-Year Data: Complete Results 28

Table 4.3. Competing Risks Analysis of Irregular Removal from Office, 1919-2004, Leader-Year Data: Interactions with Time to Check Proportional Hazards 36

Table 4.3. Competing Risks Analysis of Irregular Removal from Office, 1919-2004, Leader-Year Data: Coefficients Instead of Hazard Ratios 38

Table 4.3. Competing Risks Analysis of Irregular Removal from Office, 1919-2004, Leader-Year Data: Imputed Data (Coefficients Instead of Hazard Ratios) 46

Code for Table 4.4. Competing Risks Analysis of Irregular Removal from Office, 1875-2004, Leader-Spell Data 55

Table 4.4. Competing Risks Analysis of Irregular Removal from Office, 1875-2004, Leader-Spell Data: Complete Results 56

Code for Table 4.5. Competing Risks Analysis of Regular Removal from Office, 1919-2004, Leader-Year Data 64

Table 4.5. Competing Risks Analysis of Regular Removal from Office, 1919-2004, Leader-Year Data: Complete Results 65

Table 4.5. Competing Risks Analysis of Regular Removal from Office, 1919-2004, Leader-Year Data: Interactions with Time to Check Proportional Hazards 73

Table 4.5. Competing Risks Analysis of Regular Removal from Office, 1919-2004, Leader-Year Data: Coefficents Instead of Hazard Ratios 75

Table 4.5. Competing Risks Analysis of Regular Removal from Office, 1919-2004, Leader-Year Data: Imputed Data 84

Code for Table 4.6. Competing Risks Analysis of Regular Removal from Office, 1875-2004, Leader-Spell Data 92

Table 4.6. Competing Risks Analysis of Regular Removal from Office, 1875-2004, Leader-Spell Data: Complete Results 93

List of Variables Included in the Analysis 101

List of References

FIGURE 4.3. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): LEFT-HAND PANEL

IRREGULAR REMOVAL

Data = Archigos_2.9_leaderspell_ABD_Final_Compete_Irreg

All FIRC

```
tab irreg_exit foreign_entryabd, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |   foreign_entryabd
irreg_exit |         0          1 |     Total
-----------+----------------------+----------
         0 |     2,337         58 |     2,395
           |     79.19      53.21 |     78.27
-----------+----------------------+----------
         1 |       614         51 |       665
           |     20.81      46.79 |     21.73
-----------+----------------------+----------
     Total |     2,951        109 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  41.7207   Pr = 0.000
```

```
ttest irreg_exit, by(foreign_entryabd)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,951    .2080651    .0074737    .4059924    .1934109    .2227192
       1 |     109    .4678899    .0480132    .5012726    .3727194    .5630604
---------+--------------------------------------------------------------------
combined |   3,060    .2173203    .0074568    .4124897    .2026994    .2319411
---------+--------------------------------------------------------------------
    diff |           -.2598248    .0399637               -.3381833   -.1814664
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -6.5015
Ho: diff = 0                                     degrees of freedom =     3058

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

LEADERSHIP FIRC

```
tab irreg_exit leadfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    leadfirc_entry
irreg_exit |         0          1 |     Total
-----------+----------------------+----------
         0 |     2,372         23 |     2,395
           |     79.20      35.38 |     78.27
-----------+----------------------+----------
         1 |       623         42 |       665
           |     20.80      64.62 |     21.73
-----------+----------------------+----------
     Total |     2,995         65 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  71.8011   Pr = 0.000
```

```
ttest irreg_exit, by(leadfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,995    .2080134    .0074179    .4059542    .1934687     .222558
       1 |      65    .6461538    .0597703    .4818833     .526749    .7655587
---------+--------------------------------------------------------------------
combined |   3,060    .2173203    .0074568    .4124897    .2026994    .2319411
---------+--------------------------------------------------------------------
    diff |           -.4381405    .0511133               -.5383604   -.3379206
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -8.5719
Ho: diff = 0                                     degrees of freedom =     3058

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

INSTITUTIONAL FIRC

```
tab irreg_exit instfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    instfirc_entry
irreg_exit |         0          1 |     Total
-----------+----------------------+----------
         0 |     2,378         17 |     2,395
           |     78.33      70.83 |     78.27
-----------+----------------------+----------
         1 |       658          7 |       665
           |     21.67      29.17 |     21.73
-----------+----------------------+----------
     Total |     3,036         24 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.7861   Pr = 0.375
```

```
ttest irreg_exit, by(instfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   3,036    .2167325    .0074789    .4120867    .2020683    .2313968
       1 |      24    .2916667     .094776    .4643056    .0956076    .4877257
---------+--------------------------------------------------------------------
combined |   3,060    .2173203    .0074568    .4124897    .2026994    .2319411
---------+--------------------------------------------------------------------
    diff |           -.0749341    .0845342               -.2406838    .0908155
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.8864
Ho: diff = 0                                     degrees of freedom =     3058

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.1877         Pr(|T| > |t|) = 0.3755          Pr(T > t) = 0.8123
```

RESTORATION FIRC

```
tab irreg_exit restfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    restfirc_entry
irreg_exit |         0          1 |     Total
-----------+----------------------+----------
         0 |     2,377         18 |     2,395
           |     78.19      90.00 |     78.27
-----------+----------------------+----------
         1 |       663          2 |       665
           |     21.81      10.00 |     21.73
-----------+----------------------+----------
     Total |     3,040         20 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   1.6291   Pr = 0.202
```

```
ttest irreg_exit, by(restfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   3,040    .2180921    .0074909    .4130182    .2034044    .2327798
       1 |      20          .1    .0688247    .3077935   -.0440518    .2440518
---------+--------------------------------------------------------------------
combined |   3,060    .2173203    .0074568    .4124897    .2026994    .2319411
---------+--------------------------------------------------------------------
    diff |            .1180921    .0925289               -.063333    .2995172
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.2763
Ho: diff = 0                                     degrees of freedom =     3058

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8990         Pr(|T| > |t|) = 0.2020          Pr(T > t) = 0.1010
```

CODE FOR RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): LEFT-HAND PANEL OF FIGURE 4.3.

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(-.1 0 .1 .2 .3 .4 .5 .6 .7 .8) ytitle("probability of irregular
removal")
```

FIGURE 4.3. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): RIGHT-HAND PANEL

Data = Archigos_2.9_leaderspell_ABD_Final_Compete_Reg

REGULAR REMOVAL

All FIRC

```
tab regfail foreign_entryabd, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |   foreign_entryabd
   regfail |         0          1 |     Total
-----------+----------------------+----------
         0 |       957         64 |     1,021
           |     32.43      58.72 |     33.37
-----------+----------------------+----------
         1 |     1,994         45 |     2,039
           |     67.57      41.28 |     66.63
-----------+----------------------+----------
     Total |     2,951        109 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  32.6678   Pr = 0.000
```

```
ttest regfail, by(foreign_entryabd)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,951    .6757032    .0086186    .4681909     .658804    .6926023
       1 |     109     .412844    .0473759    .4946194    .3189367    .5067514
---------+--------------------------------------------------------------------
combined |   3,060    .6663399    .0085253     .471597    .6496239    .6830558
---------+--------------------------------------------------------------------
    diff |            .2628591    .0457588                .1731381    .3525801
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   5.7445
Ho: diff = 0                                     degrees of freedom =     3058

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

LEADERSHIP FIRC

```
tab regfail leadfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    leadfirc_entry
   regfail |         0          1 |     Total
-----------+----------------------+----------
         0 |       974         47 |     1,021
           |     32.52      72.31 |     33.37
-----------+----------------------+----------
         1 |     2,021         18 |     2,039
           |     67.48      27.69 |     66.63
-----------+----------------------+----------
     Total |     2,995         65 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  45.2968   Pr = 0.000
```

```
ttest regfail, by(leadfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,995    .6747913    .0085613     .468531    .6580047     .691578
       1 |      65    .2769231    .0559348    .4509605    .1651805    .3886656
---------+--------------------------------------------------------------------
combined |   3,060    .6663399    .0085253     .471597    .6496239    .6830558
---------+--------------------------------------------------------------------
    diff |            .3978682    .0586961                .2827805     .512956
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   6.7784
Ho: diff = 0                                     degrees of freedom =     3058

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

INSTITUTIONAL FIRC

```
tab regfail instfirc_entry, col chi2

+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    instfirc_entry
   regfail |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,011         10 |     1,021
           |     33.30      41.67 |     33.37
-----------+----------------------+----------
         1 |     2,025         14 |     2,039
           |     66.70      58.33 |     66.63
-----------+----------------------+----------
     Total |     3,036         24 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.7496   Pr = 0.387

ttest regfail, by(instfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   3,036     .666996    .0085547    .4713656    .6502224    .6837697
       1 |      24    .5833333     .102799    .5036102    .3706774    .7959893
---------+--------------------------------------------------------------------
combined |   3,060    .6663399    .0085253     .471597    .6496239    .6830558
---------+--------------------------------------------------------------------
    diff |            .0836627     .096648                -.105839    .2731644
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.8656
Ho: diff = 0                                     degrees of freedom =     3058

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8066         Pr(|T| > |t|) = 0.3868          Pr(T > t) = 0.1934
```

RESTORATION FIRC

```
tab regfail restfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    restfirc_entry
   regfail |         0          1 |     Total
-----------+----------------------+----------
         0 |     1,014          7 |     1,021
           |     33.36      35.00 |     33.37
-----------+----------------------+----------
         1 |     2,026         13 |     2,039
           |     66.64      65.00 |     66.63
-----------+----------------------+----------
     Total |     3,040         20 |     3,060
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.0242   Pr = 0.876
```

```
ttest regfail, by(restfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   3,040    .6664474    .0085526    .4715596    .6496778    .6832169
       1 |      20         .65    .1094243    .4893605    .4209722    .8790278
---------+--------------------------------------------------------------------
combined |   3,060    .6663399    .0085253     .471597    .6496239    .6830558
---------+--------------------------------------------------------------------
    diff |            .0164474    .1058155               -.1910293     .223924
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.1554
Ho: diff = 0                                     degrees of freedom =     3058

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.5618         Pr(|T| > |t|) = 0.8765          Pr(T > t) = 0.4382
```

CODE FOR FIGURE 4.3. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): RIGHT-HAND PANEL

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(0 .1 .2 .3 .4 .5 .6 .7 .8 .9) ytitle("probability of regular
removal")
```

FIGURE 4.4. YEARS TO IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): LEFT-HAND PANEL

Data = Archigos_2.9_leaderspell_ABD_Final_Compete_Irreg

IRREGULAR REMOVAL

ALL FIRC

```
ttest tenure if irreg_exit==1, by(foreign_entryabd)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     614    1772.055    110.8484    2746.715    1554.367    1989.744
       1 |      51    1393.196    311.8794    2227.265    766.7678    2019.624
---------+--------------------------------------------------------------------
combined |     665        1743    105.1222    2710.849    1536.588    1949.412
---------+--------------------------------------------------------------------
    diff |            378.8593    395.0692               -396.8783    1154.597
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.9590
Ho: diff = 0                                     degrees of freedom =      663

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8310         Pr(|T| > |t|) = 0.3379          Pr(T > t) = 0.1690
```

LEADERSHIP FIRC

```
ttest tenure if irreg_exit==1, by(leadfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     623    1788.308    111.4436    2781.628    1569.457    2007.159
       1 |      42    1070.929    164.4913    1066.026    738.7316    1403.126
---------+--------------------------------------------------------------------
combined |     665        1743    105.1222    2710.849    1536.588    1949.412
---------+--------------------------------------------------------------------
    diff |            717.3796    431.5904               -130.0691    1564.828
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.6622
Ho: diff = 0                                     degrees of freedom =      663

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9515         Pr(|T| > |t|) = 0.0969          Pr(T > t) = 0.0485
```

INSTITUTIONAL FIRC

```
ttest tenure if irreg_exit==1, by(instfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     658    1754.536    105.9909    2718.826    1546.415    1962.658
       1 |       7    658.5714    590.9149    1563.414   -787.3452    2104.488
---------+--------------------------------------------------------------------
combined |     665        1743    105.1222    2710.849    1536.588    1949.412
---------+--------------------------------------------------------------------
    diff |            1095.965    1029.938               -926.3675    3118.298
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.0641
Ho: diff = 0                                     degrees of freedom =      663

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8562         Pr(|T| > |t|) = 0.2877          Pr(T > t) = 0.1438
```

RESTORATION FIRC

```
ttest tenure if irreg_exit==1, by(restfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     663    1715.884    103.6272    2668.275    1512.406    1919.361
       1 |       2       10732        1451    2052.024   -7704.703     29168.7
---------+--------------------------------------------------------------------
combined |     665        1743    105.1222    2710.849    1536.588    1949.412
---------+--------------------------------------------------------------------
    diff |           -9016.116    1889.017               -12725.29    -5306.94
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -4.7729
Ho: diff = 0                                     degrees of freedom =      663

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

CODE FOR FIGURE 4.4. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): LEFT-HAND PANEL

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional", noticks) xtitle("type of FIRC")
ylabel(-3 -2 -1 0 1 2 3 4 5 6) ytitle("years to irregular removal")
```

FIGURE 4.4. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): RIGHT-HAND PANEL

REGULAR REMOVAL

Data = Archigos_2.9_leaderspell_ABD_Final_Compete_Reg

All FIRC

```
ttest tenure if regfail==1, by(foreign_entryabd)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   1,994    1073.671    31.56438    1409.483    1011.768    1135.573
       1 |      45    1453.956    338.0433    2267.663    772.6741    2135.237
---------+--------------------------------------------------------------------
combined |   2,039    1082.063    31.76143    1434.197    1019.775    1144.352
---------+--------------------------------------------------------------------
    diff |            -380.285    216.0853               -804.0562    43.48606
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.7599
Ho: diff = 0                                     degrees of freedom =     2037

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0393         Pr(|T| > |t|) = 0.0786          Pr(T > t) = 0.9607
```

LEADERSHIP FIRC

```
ttest tenure if regfail==1, by(leadfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,021    1080.407    31.91328    1434.678    1017.821    1142.994
       1 |      18        1268    331.3908    1405.972    568.8264    1967.174
---------+--------------------------------------------------------------------
combined |   2,039    1082.063    31.76143    1434.197    1019.775    1144.352
---------+--------------------------------------------------------------------
    diff |           -187.5928    339.6033               -853.5988    478.4132
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.5524
Ho: diff = 0                                     degrees of freedom =     2037

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.2904         Pr(|T| > |t|) = 0.5807          Pr(T > t) = 0.7096
```

INSTITUTIONAL FIRC

```
ttest tenure if regfail==1, by(instfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,025    1081.818    31.87943    1434.574    1019.298    1144.338
       1 |      14      1117.5     382.206    1430.084    291.7942    1943.206
---------+--------------------------------------------------------------------
combined |   2,039    1082.063    31.76143    1434.197    1019.775    1144.352
---------+--------------------------------------------------------------------
    diff |           -35.68173    384.7215               -790.1703    718.8068
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.0927
Ho: diff = 0                                     degrees of freedom =     2037

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4631         Pr(|T| > |t|) = 0.9261          Pr(T > t) = 0.5369
```

RESTORATION FIRC

```
ttest tenure if regfail==1, by(restfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   2,026      1075.7    31.30367    1409.013    1014.309    1137.091
       1 |      13    2073.769     1009.15    3638.542   -124.9797    4272.518
---------+--------------------------------------------------------------------
combined |   2,039    1082.063    31.76143    1434.197    1019.775    1144.352
---------+--------------------------------------------------------------------
    diff |           -998.0693    398.5336               -1779.645   -216.4935
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -2.5044
Ho: diff = 0                                     degrees of freedom =     2037

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0062         Pr(|T| > |t|) = 0.0123          Pr(T > t) = 0.9938
```

CODE FOR FIGURE 4.4. RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA): RIGHT-HAND PANEL

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(-2 0 2 4 6 8 10 12) ytitle("years to regular removal")
```

RATES OF IRREGULAR FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

IRREGULAR REMOVAL

Data = Irregfail_Competing_ABDStata.dta

All FIRC

tab Ifail firc_entry, col chi2

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |      firc_entry
     Ifail |         0          1 |     Total
-----------+----------------------+----------
         0 |    10,093        403 |    10,496
           |     95.62      92.86 |     95.51
-----------+----------------------+----------
         1 |       462         31 |       493
           |      4.38       7.14 |      4.49
-----------+----------------------+----------
     Total |    10,555        434 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   7.4417   Pr = 0.006
```

ttest Ifail, by(firc_entry)

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,555    .0437707    .0019914    .2045943    .0398672    .0476743
       1 |     434    .0714286    .0123766    .2578366     .047103    .0957542
---------+--------------------------------------------------------------------
combined |  10,989     .044863    .0019748    .2070127    .0409921     .048734
---------+--------------------------------------------------------------------
    diff |           -.0276578    .0101362               -.0475266   -.0077891
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -2.7286
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0032         Pr(|T| > |t|) = 0.0064          Pr(T > t) = 0.9968
```

LEADERSHIP FIRC

```
tab Ifail leadfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    leadfirc_entry
     Ifail |         0          1 |     Total
-----------+----------------------+----------
         0 |    10,326        170 |    10,496
           |     95.65      88.08 |     95.51
-----------+----------------------+----------
         1 |       470         23 |       493
           |      4.35      11.92 |      4.49
-----------+----------------------+----------
     Total |    10,796        193 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  25.3145   Pr = 0.000
```

```
ttest Ifail, by(leadfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,796    .0435346     .001964    .2040667    .0396848    .0473844
       1 |     193     .119171    .0233819    .3248322    .0730525    .1652894
---------+--------------------------------------------------------------------
combined |  10,989     .044863    .0019748    .2070127    .0409921     .048734
---------+--------------------------------------------------------------------
    diff |           -.0756363    .0150171               -.1050725   -.0462002
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -5.0367
Ho: diff = 0                                     degrees of freedom =    10987

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

INSTITUTIONAL FIRC

```
tab Ifail instfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    instfirc_entry
     Ifail |         0          1 |     Total
-----------+----------------------+----------
         0 |    10,429         67 |    10,496
           |     95.54      91.78 |     95.51
-----------+----------------------+----------
         1 |       487          6 |       493
           |      4.46       8.22 |      4.49
-----------+----------------------+----------
     Total |    10,916         73 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   2.3897   Pr = 0.122
```

```
ttest Ifail, by(instfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,916    .0446134    .0019761     .206463    .0407399    .0484869
       1 |      73    .0821918    .0323686    .2765574    .0176662    .1467174
---------+--------------------------------------------------------------------
combined |  10,989     .044863    .0019748    .2070127    .0409921     .048734
---------+--------------------------------------------------------------------
    diff |           -.0375784    .0243083               -.0852271    .0100704
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.5459
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0611         Pr(|T| > |t|) = 0.1222          Pr(T > t) = 0.9389
```

RESTORATION FIRC

```
tab Ifail restfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    restfirc_entry
     Ifail |         0          1 |     Total
-----------+----------------------+----------
         0 |    10,330        166 |    10,496
           |     95.46      98.81 |     95.51
-----------+----------------------+----------
         1 |       491          2 |       493
           |      4.54       1.19 |      4.49
-----------+----------------------+----------
     Total |    10,821        168 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   4.3249   Pr = 0.038
```

```
ttest Ifail, by(restfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,821    .0453747    .0020008    .2081343    .0414527    .0492967
       1 |     168    .0119048    .0083927    .1087818   -.0046647    .0284742
---------+--------------------------------------------------------------------
combined |  10,989     .044863    .0019748    .2070127    .0409921     .048734
---------+--------------------------------------------------------------------
    diff |              .03347    .0160924                .0019259    .0650141
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   2.0799
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9812         Pr(|T| > |t|) = 0.0376          Pr(T > t) = 0.0188
```

CODE FOR RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(-.02 0 .02 .04 .06 .08 .10 .12 .14 .16 .18) ytitle("probability of
irregular removal")
```

RATES OF REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

REGULAR REMOVAL

Data = Regfail_Competing_ABDSTata.dta

All FIRC

tab Rfail firc_entry, col chi2

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |      firc_entry
     Rfail |         0          1 |     Total
-----------+----------------------+----------
         0 |     9,265        403 |     9,668
           |     87.78      92.86 |     87.98
-----------+----------------------+----------
         1 |     1,290         31 |     1,321
           |     12.22       7.14 |     12.02
-----------+----------------------+----------
     Total |    10,555        434 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =  10.1671   Pr = 0.001
```

ttest Rfail, by(firc_entry)

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,555     .122217    .0031882    .3275517    .1159674    .1284665
       1 |     434    .0714286    .0123766    .2578366     .047103    .0957542
---------+--------------------------------------------------------------------
combined |  10,989    .1202111    .0031024     .325223    .1141298    .1262924
---------+--------------------------------------------------------------------
    diff |            .0507884    .0159223                .0195779    .0819989
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   3.1898
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9993         Pr(|T| > |t|) = 0.0014          Pr(T > t) = 0.0007
```

LEADERSHIP FIRC

```
tab Rfail leadfirc_entry, col chi2
```

Key			
frequency			
column percentage			

Rfail	leadfirc_entry 0	1	Total
0	9,485	183	9,668
	87.86	94.82	87.98
1	1,311	10	1,321
	12.14	5.18	12.02
Total	10,796	193	10,989
	100.00	100.00	100.00

Pearson chi2(1) = 8.6898 Pr = 0.003

```
ttest Rfail, by(leadfirc_entry)
```

Two-sample t test with equal variances

Group	Obs	Mean	Std. Err.	Std. Dev.	[95% Conf.	Interval]
0	10,796	.1214339	.0031437	.3266459	.1152716	.1275962
1	193	.0518135	.0159962	.2222267	.0202626	.0833644
combined	10,989	.1202111	.0031024	.325223	.1141298	.1262924
diff		.0696204	.0236101		.0233403	.1159005

diff = mean(0) - mean(1) t = 2.9488
Ho: diff = 0 degrees of freedom = 10987

Ha: diff < 0 Ha: diff != 0 Ha: diff > 0
Pr(T < t) = 0.9984 Pr(|T| > |t|) = 0.0032 Pr(T > t) = 0.0016

INSTITUTIONAL FIRC

```
tab Rfail instfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    instfirc_entry
     Rfail |         0          1 |     Total
-----------+----------------------+----------
         0 |     9,603         65 |     9,668
           |     87.97      89.04 |     87.98
-----------+----------------------+----------
         1 |     1,313          8 |     1,321
           |     12.03      10.96 |     12.02
-----------+----------------------+----------
     Total |    10,916         73 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   0.0784   Pr = 0.779
```

```
ttest Rfail, by(instfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,916    .1202822    .0031136    .3253061     .114179    .1263853
       1 |      73     .109589     .036814    .3145386    .0362017    .1829763
---------+--------------------------------------------------------------------
combined |  10,989    .1202111    .0031024     .325223    .1141298    .1262924
---------+--------------------------------------------------------------------
    diff |            .0106931    .0381931               -.0641723    .0855586
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.2800
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.6102         Pr(|T| > |t|) = 0.7795          Pr(T > t) = 0.3898
```

RESTORATION FIRC

```
tab Rfail restfirc_entry, col chi2
```

```
+-------------------+
| Key               |
|-------------------|
|     frequency     |
| column percentage |
+-------------------+

           |    restfirc_entry
     Rfail |         0          1 |     Total
-----------+----------------------+----------
         0 |     9,513        155 |     9,668
           |     87.91      92.26 |     87.98
-----------+----------------------+----------
         1 |     1,308         13 |     1,321
           |     12.09       7.74 |     12.02
-----------+----------------------+----------
     Total |    10,821        168 |    10,989
           |    100.00     100.00 |    100.00

          Pearson chi2(1) =   2.9592   Pr = 0.085
```

```
ttest Rfail, by(restfirc_entry)
```

```
Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |  10,821    .1208761    .0031339    .3259983    .1147331     .127019
       1 |     168     .077381    .0206762    .2679937    .0365606    .1182013
---------+--------------------------------------------------------------------
combined |  10,989    .1202111    .0031024     .325223    .1141298    .1262924
---------+--------------------------------------------------------------------
    diff |            .0434951    .0252833               -.0060646    .0930549
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   1.7203
Ho: diff = 0                                     degrees of freedom =    10987

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.9573         Pr(|T| > |t|) = 0.0854          Pr(T > t) = 0.0427
```

CODE FOR RATES OF IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(0 .02 .04 .06 .08 .10 .12 .14 .16 .18 .20) ytitle("probability of
regular removal")
```

YEARS TO IRREGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

IRREGULAR REMOVAL

Data = Irregfail_Competing_ABDStata.dta

ALL FIRC

```
ttest sumten if Ifail==1, by(firc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     462    1671.887    109.2447    2348.126    1457.208    1886.567
       1 |      31    1735.839    488.3716    2719.138    738.4508    2733.227
---------+--------------------------------------------------------------------
combined |     493    1675.909    106.7439    2370.098    1466.179    1885.639
---------+--------------------------------------------------------------------
    diff |           -63.95126      440.17               -928.8005    800.8979
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.1453
Ho: diff = 0                                     degrees of freedom =      491

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.4423         Pr(|T| > |t|) = 0.8845          Pr(T > t) = 0.5577
```

LEADERSHIP FIRC

```
ttest sumten if Ifail==1, by(leadfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     470    1698.362    111.2827    2412.551    1479.687    1917.036
       1 |      23    1217.087    238.9757    1146.087    721.4817    1712.692
---------+--------------------------------------------------------------------
combined |     493    1675.909    106.7439    2370.098    1466.179    1885.639
---------+--------------------------------------------------------------------
    diff |            481.2747    506.1968               -513.3043    1475.854
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.9508
Ho: diff = 0                                     degrees of freedom =      491

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8289         Pr(|T| > |t|) = 0.3422          Pr(T > t) = 0.1711
```

INSTITUTIONAL FIRC

```
ttest sumten if Ifail==1, by(instfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     487     1687.62    107.6691    2376.049    1476.066    1899.174
       1 |       6    725.3333    694.9647    1702.309    -1061.13    2511.797
---------+--------------------------------------------------------------------
combined |     493    1675.909    106.7439    2370.098    1466.179    1885.639
---------+--------------------------------------------------------------------
    diff |            962.2868    973.5536               -950.5583    2875.132
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =   0.9884
Ho: diff = 0                                     degrees of freedom =      491

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.8383         Pr(|T| > |t|) = 0.3234          Pr(T > t) = 0.1617
```

RESTORATION FIRC

```
ttest sumten if Ifail==1, by(restfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |     491    1639.016    103.8517    2301.199    1434.967    1843.066
       1 |       2       10733        1451    2052.024   -7703.703     29169.7
---------+--------------------------------------------------------------------
combined |     493    1675.909    106.7439    2370.098    1466.179    1885.639
---------+--------------------------------------------------------------------
    diff |           -9093.984    1630.164               -12296.94   -5891.026
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -5.5786
Ho: diff = 0                                     degrees of freedom =      491

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

CODE FOR YEARS TO IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA; NOT IN BOOK)

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional", noticks) xtitle("type of FIRC")
ylabel(-3 -2 -1 0 1 2 3 4 5 6 7 8) ytitle("years to irregular removal")
```

YEARS TO REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-YEAR DATA; NOT IN BOOK)

REGULAR REMOVAL

Data = Regfail_Competing_ABDStata.dta

ALL FIRC

```
ttest sumten if Rfail==1, by(firc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   1,290     1123.52    40.81147    1465.808    1043.456    1203.584
       1 |      31    1856.194    466.9964    2600.126    902.4597    2809.927
---------+--------------------------------------------------------------------
combined |   1,321    1140.714    41.39959    1504.691    1059.498     1221.93
---------+--------------------------------------------------------------------
    diff |           -732.6734    272.8373               -1267.916    -197.431
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -2.6854
Ho: diff = 0                                     degrees of freedom =     1319

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0037         Pr(|T| > |t|) = 0.0073          Pr(T > t) = 0.9963
```

LEADERSHIP FIRC

```
ttest sumten if Rfail==1, by(leadfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   1,311     1138.33    41.50971    1502.973    1056.898    1219.763
       1 |      10      1453.2    562.0295    1777.293     181.801    2724.599
---------+--------------------------------------------------------------------
combined |   1,321    1140.714    41.39959    1504.691    1059.498     1221.93
---------+--------------------------------------------------------------------
    diff |           -314.8697    477.7388               -1252.081    622.3412
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -0.6591
Ho: diff = 0                                     degrees of freedom =     1319

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.2550         Pr(|T| > |t|) = 0.5100          Pr(T > t) = 0.7450
```

INSTITUTIONAL FIRC

```
ttest sumten if Rfail==1, by(instfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   1,313    1136.034    41.51341    1504.253    1054.594    1217.473
       1 |       8    1908.875    519.1805    1468.464    681.2082    3136.542
---------+--------------------------------------------------------------------
combined |   1,321    1140.714    41.39959    1504.691    1059.498     1221.93
---------+--------------------------------------------------------------------
    diff |           -772.8415    533.3848               -1819.217    273.5338
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -1.4489
Ho: diff = 0                                     degrees of freedom =     1319

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0738         Pr(|T| > |t|) = 0.1476          Pr(T > t) = 0.9262
```

RESTORATION FIRC

```
ttest sumten if Rfail==1, by(restfirc_entry)

Two-sample t test with equal variances
------------------------------------------------------------------------------
   Group |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
       0 |   1,308    1130.844    40.60754    1468.624    1051.181    1210.507
       1 |      13    2133.769    1002.075    3613.033   -49.56486    4317.103
---------+--------------------------------------------------------------------
combined |   1,321    1140.714    41.39959    1504.691    1059.498     1221.93
---------+--------------------------------------------------------------------
    diff |           -1002.925    418.6442               -1824.206   -181.6441
------------------------------------------------------------------------------
    diff = mean(0) - mean(1)                                      t =  -2.3957
Ho: diff = 0                                     degrees of freedom =     1319

    Ha: diff < 0                 Ha: diff != 0                 Ha: diff > 0
 Pr(T < t) = 0.0084         Pr(|T| > |t|) = 0.0167          Pr(T > t) = 0.9916
```

CODE FOR YEARS TO IRREGULAR AND REGULAR REMOVAL FOR FOREIGN-IMPOSED LEADERS (LEADER-SPELL DATA; NOT IN BOOK)

```
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 FIRC" 2 "FIRC") )
xlabel( 0.5 "all FIRC" 3.5 "leadership" 6.5 "institutional" 9.5 "restoration", noticks)
xtitle("type of FIRC") ylabel(-2 0 2 4 6 8 10 12) ytitle("years to regular removal")
```

CODE FOR FIGURES 4.5 AND 4.6. KAPLAN-MEIER FUNCTIONS FOR TYPES OF FOREIGN-IMPOSED REGIME CHANGE AND IRREGULAR AND REGULAR REMOVAL FROM OFFICE (LEADER-SPELL DATA)

Code for Kaplan-Meier Survival Estimates: Irregular Removal

```
Data = Irregular-Leaderspell-Compete.dta

sts graph, by(foreign_entryabd) tmax(15000) ci

sts graph, by(leadfirc_entry) tmax(15000) ci

sts graph, by(instfirc_entry) tmax(15000) ci

sts graph, by(restfirc_entry) tmax(15000) ci
```

Code for Kaplan-Meier Survival Estimates: Regular Removal

```
Data = Regular-Leaderspell-Compete.dta

sts graph, by(foreign_entryabd) tmax(15000) ci

sts graph, by(leadfirc_entry) tmax(15000) ci

sts graph, by(instfirc_entry) tmax(15000) ci

sts graph, by(restfirc_entry) tmax(15000) ci
```

CODE FOR TABLE 4.3. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg firc_entry, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry entry1 age0 powtimes, compete(failtype==2 3)
tvc(restfirc_entry entry1) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode)

stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(civwar) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode)
```

TABLE 4.3. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: COMPLETE RESULTS

Model 1

```
stcrreg firc_entry, compete(failtype==2 3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3673.7137
Iteration 1:   log pseudolikelihood = -3672.4118
Iteration 2:   log pseudolikelihood = -3672.3752
Iteration 3:   log pseudolikelihood = -3672.3752

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(1)     =      20.17
Log pseudolikelihood = -3672.3752             Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  firc_entry |   2.327852   .4379101     4.49   0.000     1.610013    3.365747
------------------------------------------------------------------------------
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(restfirc_entry)
vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3660.9292
Iteration 1:   log pseudolikelihood = -3659.5071
Iteration 2:   log pseudolikelihood = -3658.8125
Iteration 3:   log pseudolikelihood = -3658.7295
Iteration 4:   log pseudolikelihood = -3658.7288
Iteration 5:   log pseudolikelihood = -3658.7288

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(4)     =      56.50
Log pseudolikelihood = -3658.7288               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |   3.863908   .9166765     5.70   0.000     2.427097    6.151294
instfirc_entry |    2.14469   1.070051     1.53   0.126     .8066298    5.702361
restfirc_entry |   .0131855   .0174843    -3.26   0.001     .0009803    .1773437
---------------+--------------------------------------------------------------
tvc            |
restfirc_entry |   1.000606   .0001313     4.62   0.000     1.000349    1.000864
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3554.4462
Iteration 1:   log pseudolikelihood = -3539.5588
Iteration 2:   log pseudolikelihood = -3534.7482
Iteration 3:   log pseudolikelihood = -3534.7211
Iteration 4:   log pseudolikelihood =  -3534.721

Competing-risks regression                      No. of obs       =     10,973
                                                No. of subjects  =      2,142
Failure event   : failtype == 1                 No. failed       =        491
Competing events: failtype == 2 3               No. competing    =      1,490
                                                No. censored     =        161

                                                Wald chi2(7)     =     195.38
Log pseudolikelihood =  -3534.721               Prob > chi2      =     0.0000

                                 (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |   5.156602   1.289995     6.56   0.000     3.158086    8.419831
instfirc_entry |   3.650131   1.832516     2.58   0.010      1.36449    9.764424
restfirc_entry |   .0158269   .0206272    -3.18   0.001     .0012304    .2035933
   irreg_entry |   3.524362   .4501197     9.86   0.000     2.743898    4.526819
          age0 |   .9766326   .0038906    -5.94   0.000     .9690369    .9842879
      powtimes |   1.285785   .1015949     3.18   0.001     1.101315    1.501154
---------------+--------------------------------------------------------------
tvc            |
restfirc_entry |   1.000607   .0001322     4.59   0.000     1.000348    1.000866
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  (endobs-origin)
            origin:  time startobs
                id:  leadid

Iteration 0:   log pseudolikelihood = -3543.9366
Iteration 1:   log pseudolikelihood = -3532.9647
Iteration 2:   log pseudolikelihood = -3515.5598
Iteration 3:   log pseudolikelihood = -3512.3095
Iteration 4:   log pseudolikelihood = -3511.7301
Iteration 5:   log pseudolikelihood = -3511.7032
Iteration 6:   log pseudolikelihood = -3511.7032

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(8)     =     131.12
Log pseudolikelihood = -3511.7032               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   2.206695    .527604     3.31   0.001     1.381105    3.525804
instfirc_entry |   1.760088   .9398297     1.06   0.290     .6180455     5.01243
restfirc_entry |    .010691    .014333    -3.39   0.001     .0007724    .1479777
       tmixed |   .7339476   .0914962    -2.48   0.013     .5748462    .9370838
     tdemparl |   .0724042   .0213289    -8.91   0.000     .0406458    .1289767
     tdempres |   .2156332   .0507644    -6.52   0.000     .1359332    .3420627
        trans |   .8216471    .152791    -1.06   0.291     .5706876    1.182966
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   1.000608    .000133     4.57   0.000     1.000347    1.000868
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2714.7378
Iteration 1:   log pseudolikelihood = -2711.9584
Iteration 2:   log pseudolikelihood = -2696.4009
Iteration 3:   log pseudolikelihood = -2694.7046
Iteration 4:   log pseudolikelihood = -2694.5542
Iteration 5:   log pseudolikelihood = -2694.5509
Iteration 6:   log pseudolikelihood = -2694.5509

Competing-risks regression                      No. of obs       =      9,390
                                                No. of subjects  =      1,854
Failure event   : failtype == 1                 No. failed       =        391
Competing events: failtype == 2 3               No. competing    =      1,298
                                                No. censored     =        165

                                                Wald chi2(9)     =     211.63
Log pseudolikelihood = -2694.5509               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |   2.434933   .7230873     3.00   0.003     1.360538    4.357758
instfirc_entry |   .5229039   .4816361    -0.70   0.481       .08598     3.18014
restfirc_entry |   .0148325   .0213016    -2.93   0.003     .0008887    .2475511
     lngdpcapL |   .4644001   .0428031    -8.32   0.000     .3876487    .5563477
        growth |   .0394621   .0215961    -5.91   0.000     .0135005    .1153479
      tropen2L |   .3127556   .1429456    -2.54   0.011     .1276914    .7660348
        dopen2 |   .6736622   .1327737    -2.00   0.045      .457801    .9913056
         lnpop |    .858563   .0413064    -3.17   0.002     .7813039    .9434618
---------------+--------------------------------------------------------------
tvc            |
restfirc_entry |   1.000589   .0001324     4.45   0.000      1.00033    1.000849
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3583.0556
Iteration 1:   log pseudolikelihood = -3578.5185
Iteration 2:   log pseudolikelihood = -3569.5598
Iteration 3:   log pseudolikelihood = -3568.7208
Iteration 4:   log pseudolikelihood = -3568.6497
Iteration 5:   log pseudolikelihood = -3568.6492
Iteration 6:   log pseudolikelihood = -3568.6492

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(15)    =     307.27
Log pseudolikelihood = -3568.6492               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   2.819937   .6502931     4.50   0.000     1.794517    4.431301
instfirc_entry |   2.652976   1.332556     1.94   0.052     .9912554    7.100369
restfirc_entry |   .0078694   .0114076    -3.34   0.001     .0004592    .1348514
       civwar |   1.904097   .3299341     3.72   0.000     1.355802    2.674125
   initiator2 |   .3210833   .1258024    -2.90   0.004     .1489744    .6920279
    defender2 |   .9011996   .2404796    -0.39   0.697     .5341744    1.520404
      inherit |   .4017563   .1399978    -2.62   0.009     .2029314    .7953827
       dwinsh |   .5628284   .2661054    -1.22   0.224     .2228064    1.421753
      dlosesh |   5.078454   1.534891     5.38   0.000     2.808458    9.183225
      ddrawsh |   1.055402   .4368166     0.13   0.896     .4689398    2.375301
      dwinwar |   .6540086   .5534751    -0.50   0.616     .1245168    3.435098
     dlosewar |   24.62134    8.54388     9.23   0.000     12.47198    48.60581
     ddrawwar |   1.223309   .5236835     0.47   0.638     .5286243    2.830903
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   1.000647   .0001295     5.00   0.000     1.000393      1.0009
       civwar |   1.000132   .0000422     3.12   0.002     1.000049    1.000214
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7

```
stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(civwar) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2644.2287
Iteration 1:   log pseudolikelihood = -2604.3023
Iteration 2:   log pseudolikelihood = -2577.5429
Iteration 3:   log pseudolikelihood = -2572.9683
Iteration 4:   log pseudolikelihood = -2571.5948
Iteration 5:   log pseudolikelihood = -2571.5189
Iteration 6:   log pseudolikelihood = -2571.5188

Competing-risks regression                    No. of obs       =      9,374
                                              No. of subjects  =      1,844
Failure event   : failtype == 1               No. failed       =        389
Competing events: failtype == 2 3             No. competing    =      1,290
                                              No. censored     =        165

                                              Wald chi2(24)    =     527.09
Log pseudolikelihood = -2571.5188             Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   1.473712   .3324871     1.72   0.086      .947047    2.293263
 irreg_entry |   1.480493   .1982154     2.93   0.003     1.138789    1.924727
        age0 |   .9876175   .0047375    -2.60   0.009     .9783757    .9969467
    powtimes |    1.28747   .0984276     3.31   0.001     1.108313    1.495588
      tmixed |   .8099707    .104614    -1.63   0.103     .6288253    1.043299
    tdemparl |   .1560733    .051594    -5.62   0.000     .0816475    .2983422
    tdempres |    .310751   .0880533    -4.12   0.000     .1783279    .5415093
       trans |   .6020189   .1336049    -2.29   0.022     .3896768      .93007
   lngdpcapL |   .6978319   .0625459    -4.01   0.000     .5854079    .8318462
      growth |   .0985664     .05356    -4.26   0.000     .0339777    .2859322
    tropen2L |   .3243197   .1316859    -2.77   0.006     .1463369    .7187748
      dopen2 |   .5934501   .1225082    -2.53   0.011     .3959746    .8894081
       lnpop |   .8766392   .0413766    -2.79   0.005     .7991807    .9616053
      civwar |   1.498886   .2119425     2.86   0.004     1.136079    1.977554
  initiator2 |   .2042385   .1022257    -3.17   0.002     .0765761    .5447311
   defender2 |   .9846039   .3327702    -0.05   0.963     .5076658    1.909613
     inherit |   .3943925   .2498799    -1.47   0.142      .113926     1.36532
      dwinsh |   .8881235   .4215432    -0.25   0.803      .350312    2.251603
     dlosesh |   4.607498   1.769573     3.98   0.000     2.170449    9.780946
     ddrawsh |   1.224753   .6174047     0.40   0.688     .4559881    3.289606
     dwinwar |   .0066182   .0173464    -1.91   0.056     .0000389     1.12658
    dlosewar |    16.8982   7.197437     6.64   0.000     7.333118    38.93965
    ddrawwar |   .6179833   .2672673    -1.11   0.266     .2647565    1.442471
-------------+----------------------------------------------------------------
tvc          |
      civwar |   1.000126   .0000459     2.74   0.006     1.000036    1.000216
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2636.5446
Iteration 1:   log pseudolikelihood = -2582.9829
Iteration 2:   log pseudolikelihood = -2563.7697
Iteration 3:   log pseudolikelihood =   -2563.27
Iteration 4:   log pseudolikelihood = -2563.2582
Iteration 5:   log pseudolikelihood = -2563.2582

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =        389
Competing events: failtype == 2 3               No. competing    =      1,290
                                                No. censored     =        165

                                                Wald chi2(27)    =     627.10
Log pseudolikelihood = -2563.2582               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   2.085633   .5706078     2.69   0.007     1.219995    3.565479
instfirc_entry |   .8754003   .7777264    -0.15   0.881     .1534543    4.993837
restfirc_entry |   .0088356   .0142958    -2.92   0.003     .0003707    .2106052
   irreg_entry |   1.499081   .1981167     3.06   0.002     1.156994    1.942311
          age0 |   .9878551     .00477    -2.53   0.011     .9785501    .9972486
      powtimes |   1.306111   .0966705     3.61   0.000     1.129742    1.510014
        tmixed |   .8094553   .1055426    -1.62   0.105     .6269127     1.04515
      tdemparl |   .1565065   .0525715    -5.52   0.000     .0810231    .3023125
      tdempres |   .3148494   .0913133    -3.98   0.000     .1783346    .5558662
         trans |   .6321663   .1401557    -2.07   0.039     .4093681    .9762223
     lngdpcapL |    .709624   .0652395    -3.73   0.000     .5926153    .8497354
        growth |   .1069018   .0587674    -4.07   0.000     .0363959    .3139918
      tropen2L |   .3490893   .1337922    -2.75   0.006     .1647042    .7398925
        dopen2 |   .6100217   .1259753    -2.39   0.017     .4069716    .9143796
         lnpop |   .8685443   .0425469    -2.88   0.004      .789032    .9560692
        civwar |   1.462323   .2149609     2.59   0.010     1.096268    1.950606
    initiator2 |   .2098216   .1043829    -3.14   0.002     .0791391    .5563004
     defender2 |   .9762094   .3265495    -0.07   0.943     .5067685    1.880513
       inherit |   .4735401    .280618    -1.26   0.207     .1482307    1.512779
        dwinsh |   .8767768   .4242947    -0.27   0.786     .3396025    2.263639
       dlosesh |   4.289173   1.580442     3.95   0.000     2.083192    8.831161
       ddrawsh |   1.210917   .6077393     0.38   0.703     .4528043     3.23831
       dwinwar |   .0078973   .0198175    -1.93   0.054     .0000577    1.080166
      dlosewar |   17.37908   7.307675     6.79   0.000     7.622677    39.62286
      ddrawwar |   .6246824   .2735415    -1.07   0.283     .2648058    1.473639
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   1.000608   .0001267     4.80   0.000     1.000359    1.000856
        civwar |   1.000129   .0000456     2.84   0.005      1.00004    1.000219
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.3. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: INTERACTIONS WITH TIME TO CHECK PROPORTIONAL HAZARDS

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3674.3527
Iteration 1:   log pseudolikelihood = -3673.7684
Iteration 2:   log pseudolikelihood = -3672.1483
Iteration 3:   log pseudolikelihood =  -3672.146
Iteration 4:   log pseudolikelihood =  -3672.146

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(2)     =      21.48
Log pseudolikelihood =  -3672.146             Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |    2.14102   .5347852     3.05   0.002     1.312221    3.493287
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   1.000052   .0000829     0.63   0.527       .99989    1.000215
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(leadfirc_entry
instfirc_entry restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3660.5416
Iteration 1:   log pseudolikelihood = -3658.6113
Iteration 2:   log pseudolikelihood = -3657.9968
Iteration 3:   log pseudolikelihood = -3657.9342
Iteration 4:   log pseudolikelihood = -3657.9337
Iteration 5:   log pseudolikelihood = -3657.9337

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(6)     =      59.73
Log pseudolikelihood = -3657.9337             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   3.787447   .9551024     5.28   0.000     2.310437    6.208675
instfirc_entry |   3.247817   2.417916     1.58   0.114      .754908    13.97298
restfirc_entry |   .0131174   .0173914    -3.27   0.001     .0009757    .1763563
-------------+----------------------------------------------------------------
tvc          |
leadfirc_entry |   1.000018   .0000832     0.21   0.830     .9998548    1.000181
instfirc_entry |   .9996083   .0006441    -0.61   0.543     .9983468    1.000871
restfirc_entry |   1.000606   .0001314     4.62   0.000     1.000349    1.000864
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.3. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: COEFFICIENTS INSTEAD OF HAZARD RATIOS

```
Data = Irregular-Leaderyear-Compete.dta
```

Model 1

```
stcrreg firc_entry, compete(failtype==2 3) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3673.7137
Iteration 1:   log pseudolikelihood = -3672.4118
Iteration 2:   log pseudolikelihood = -3672.3752
Iteration 3:   log pseudolikelihood = -3672.3752

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(1)     =      20.17
Log pseudolikelihood = -3672.3752             Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  firc_entry |   .8449459   .1881177     4.49   0.000     .4762421     1.21365
------------------------------------------------------------------------------
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(restfirc_entry)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3660.9292
Iteration 1:   log pseudolikelihood = -3659.5071
Iteration 2:   log pseudolikelihood = -3658.8125
Iteration 3:   log pseudolikelihood = -3658.7295
Iteration 4:   log pseudolikelihood = -3658.7288
Iteration 5:   log pseudolikelihood = -3658.7288

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(4)     =      56.50
Log pseudolikelihood = -3658.7288               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |   1.351679   .2372407     5.70   0.000      .886696    1.816663
instfirc_entry |    .762995   .4989303     1.53   0.126    -.2148905     1.74088
restfirc_entry |  -4.328641   1.326032    -3.26   0.001    -6.927617   -1.729665
---------------+--------------------------------------------------------------
tvc            |
restfirc_entry |   .0006063   .0001313     4.62   0.000      .000349    .0008635
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3554.4462
Iteration 1:   log pseudolikelihood = -3539.5588
Iteration 2:   log pseudolikelihood = -3534.7482
Iteration 3:   log pseudolikelihood = -3534.7211
Iteration 4:   log pseudolikelihood =  -3534.721

Competing-risks regression                      No. of obs       =     10,973
                                                No. of subjects  =      2,142
Failure event   : failtype == 1                 No. failed       =        491
Competing events: failtype == 2 3               No. competing    =      1,490
                                                No. censored     =        161

                                                Wald chi2(7)     =     195.38
Log pseudolikelihood =  -3534.721               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   1.640278   .2501637     6.56   0.000     1.149966     2.13059
instfirc_entry |   1.294763   .5020412     2.58   0.010     .3107804    2.278746
restfirc_entry |  -4.146042   1.303295    -3.18   0.001    -6.700453   -1.591631
   irreg_entry |   1.259699   .1277167     9.86   0.000     1.009379    1.510019
          age0 |  -.0236447   .0039837    -5.94   0.000    -.0314526   -.0158368
      powtimes |   .2513695   .0790139     3.18   0.001     .0965051    .4062339
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006069   .0001321     4.59   0.000     .0003479    .0008659
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3543.9366
Iteration 1:   log pseudolikelihood = -3532.9647
Iteration 2:   log pseudolikelihood = -3515.5598
Iteration 3:   log pseudolikelihood = -3512.3095
Iteration 4:   log pseudolikelihood = -3511.7301
Iteration 5:   log pseudolikelihood = -3511.7032
Iteration 6:   log pseudolikelihood = -3511.7032

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(8)     =     131.12
Log pseudolikelihood = -3511.7032               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |    .791496   .2390924     3.31   0.001     .3228836    1.260108
instfirc_entry |   .5653638   .5339675     1.06   0.290    -.4811932    1.611921
restfirc_entry |  -4.538357   1.340669    -3.39   0.001     -7.16602   -1.910694
        tmixed |  -.3093177   .1246631    -2.48   0.013    -.5536528   -.0649826
      tdemparl |  -2.625491   .2945807    -8.91   0.000    -3.202859   -2.048124
      tdempres |  -1.534177   .2354203    -6.52   0.000    -1.995592   -1.072761
         trans |  -.1964443    .185957    -1.06   0.291    -.5609134    .1680247
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006075    .000133     4.57   0.000     .0003469    .0008681
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2714.7378
Iteration 1:   log pseudolikelihood = -2711.9584
Iteration 2:   log pseudolikelihood = -2696.4009
Iteration 3:   log pseudolikelihood = -2694.7046
Iteration 4:   log pseudolikelihood = -2694.5542
Iteration 5:   log pseudolikelihood = -2694.5509
Iteration 6:   log pseudolikelihood = -2694.5509

Competing-risks regression                      No. of obs       =      9,390
                                                No. of subjects  =      1,854
Failure event   : failtype == 1                 No. failed       =        391
Competing events: failtype == 2 3               No. competing    =      1,298
                                                No. censored     =        165

                                                Wald chi2(9)     =     211.63
Log pseudolikelihood = -2694.5509               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .8899191    .296964     3.00   0.003     .3078804    1.471958
instfirc_entry |  -.6483575   .9210796    -0.70   0.481     -2.45364    1.156925
restfirc_entry |  -4.210936   1.436147    -2.93   0.003    -7.025733   -1.396138
     lngdpcapL |  -.7670089   .0921685    -8.32   0.000    -.9476559   -.5863619
        growth |  -3.232415   .5472609    -5.91   0.000    -4.305026   -2.159803
      tropen2L |  -1.162333    .457052    -2.54   0.011    -2.058139   -.2665277
        dopen2 |  -.3950265   .1970925    -2.00   0.045    -.7813206   -.0087324
         lnpop |  -.1524953    .048111    -3.17   0.002    -.2467911   -.0581994
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0005891   .0001323     4.45   0.000     .0003298    .0008484
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3583.0556
Iteration 1:   log pseudolikelihood = -3578.5185
Iteration 2:   log pseudolikelihood = -3569.5598
Iteration 3:   log pseudolikelihood = -3568.7208
Iteration 4:   log pseudolikelihood = -3568.6497
Iteration 5:   log pseudolikelihood = -3568.6492
Iteration 6:   log pseudolikelihood = -3568.6492

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(15)    =     307.27
Log pseudolikelihood = -3568.6492               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   1.036715   .2306055     4.50   0.000     .5847361    1.488693
instfirc_entry |   .9756819   .5022873     1.94   0.052     -.008783    1.960147
restfirc_entry |   -4.84477   1.449612    -3.34   0.001    -7.685958   -2.003582
       civwar |   .6440076    .173276     3.72   0.000      .304393    .9836223
   initiator2 |  -1.136055    .391806    -2.90   0.004     -1.90398    -.368129
    defender2 |  -.1040285   .2668439    -0.39   0.697    -.6270329    .4189759
      inherit |  -.9119097   .3484644    -2.62   0.009    -1.594887   -.2289319
       dwinsh |  -.5747805   .4728002    -1.22   0.224    -1.501452    .3518909
      dlosesh |   1.625007   .3022359     5.38   0.000     1.032635    2.217378
      ddrawsh |   .0539216   .4138865     0.13   0.896     -.757281    .8651242
      dwinwar |  -.4246347    .846281    -0.50   0.616    -2.083315    1.234046
     dlosewar |   3.203614   .3470111     9.23   0.000     2.523484    3.883743
     ddrawwar |   .2015592   .4280878     0.47   0.638    -.6374774    1.040596
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006465   .0001294     5.00   0.000     .0003929       .0009
       civwar |   .0001316   .0000422     3.12   0.002      .000049    .0002143
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7

```
stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(civwar) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2644.2287
Iteration 1:   log pseudolikelihood = -2604.3023
Iteration 2:   log pseudolikelihood = -2577.5429
Iteration 3:   log pseudolikelihood = -2572.9683
Iteration 4:   log pseudolikelihood = -2571.5948
Iteration 5:   log pseudolikelihood = -2571.5189
Iteration 6:   log pseudolikelihood = -2571.5188

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =        389
Competing events: failtype == 2 3               No. competing    =      1,290
                                                No. censored     =        165

                                                Wald chi2(24)    =     527.09
Log pseudolikelihood = -2571.5188               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   .3877846   .2256119     1.72   0.086    -.0544066    .8299759
 irreg_entry |    .392375   .1338847     2.93   0.003     .1299658    .6547842
        age0 |  -.0124598   .0047969    -2.60   0.009    -.0218615    -.003058
    powtimes |   .2526792   .0764504     3.31   0.001     .1028392    .4025193
      tmixed |  -.2107572   .1291578    -1.63   0.103    -.4639018    .0423874
    tdemparl |  -1.857429   .3305751    -5.62   0.000    -2.505345   -1.209514
    tdempres |  -1.168763   .2833564    -4.12   0.000    -1.724131    -.613395
       trans |  -.5074665   .2219281    -2.29   0.022    -.9424376   -.0724954
   lngdpcapL |   -.359777   .0896289    -4.01   0.000    -.5354463   -.1841077
      growth |  -2.317025   .5433898    -4.26   0.000     -3.38205   -1.252001
    tropen2L |  -1.126026   .4060372    -2.77   0.006    -1.921844   -.3302072
       dopen2 |  -.5218021   .2064339    -2.53   0.011    -.9264052   -.1171991
        lnpop |  -.1316597   .0471991    -2.79   0.005    -.2241683   -.0391512
       civwar |    .404722      .1414     2.86   0.004      .127583     .681861
  initiator2 |  -1.588467   .5005213    -3.17   0.002     -2.56947   -.6074631
   defender2 |  -.0155158   .3379737    -0.05   0.963     -.677932    .6469004
     inherit |  -.9304087   .6335819    -1.47   0.142    -2.172206    .3113889
      dwinsh |  -.1186445   .4746448    -0.25   0.803    -1.048931    .8116423
     dlosesh |   1.527685   .3840638     3.98   0.000     .7749338    2.280436
     ddrawsh |   .2027395   .5041053     0.40   0.688    -.7852887    1.190768
     dwinwar |  -5.017935   2.621028    -1.91   0.056    -10.15506    .1191862
    dlosewar |   2.827207   .4259293     6.64   0.000     1.992401    3.662013
    ddrawwar |  -.4812938    .432483    -1.11   0.266    -1.328945    .3663574
-------------+----------------------------------------------------------------
tvc          |
      civwar |    .000126   .0000459     2.74   0.006      .000036    .0002161
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -2636.5446
Iteration 1:   log pseudolikelihood = -2582.9829
Iteration 2:   log pseudolikelihood = -2563.7697
Iteration 3:   log pseudolikelihood =   -2563.27
Iteration 4:   log pseudolikelihood = -2563.2582
Iteration 5:   log pseudolikelihood = -2563.2582

Competing-risks regression                    No. of obs       =      9,374
                                              No. of subjects  =      1,844
Failure event   : failtype == 1               No. failed       =        389
Competing events: failtype == 2 3             No. competing    =      1,290
                                              No. censored     =        165

                                              Wald chi2(27)    =     627.10
Log pseudolikelihood = -2563.2582             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .7350726   .2735897     2.69   0.007     .1988466    1.271299
instfirc_entry |   -.133074   .8884237    -0.15   0.881    -1.874352    1.608204
restfirc_entry |   -4.72897   1.617989    -2.92   0.003     -7.90017    -1.55777
   irreg_entry |    .404852   .1321588     3.06   0.002     .1458256    .6638785
          age0 |  -.0122192   .0048287    -2.53   0.011    -.0216832   -.0027552
      powtimes |   .2670542    .074014     3.61   0.000     .1219895    .4121189
        tmixed |  -.2113937   .1303872    -1.62   0.105    -.4669479    .0441605
      tdemparl |  -1.854658    .335906    -5.52   0.000    -2.513021   -1.196294
      tdempres |  -1.155661   .2900222    -3.98   0.000    -1.724094   -.5872277
         trans |  -.4586028    .221707    -2.07   0.039    -.8931405    -.024065
     lngdpcapL |  -.3430201   .0919353    -3.73   0.000    -.5232099   -.1628302
        growth |  -2.235844   .5497324    -4.07   0.000      -3.3133   -1.158389
      tropen2L |  -1.052427   .3832606    -2.75   0.006    -1.803604   -.3012504
        dopen2 |  -.4942607   .2065095    -2.39   0.017    -.8990119   -.0895095
         lnpop |  -.1409367   .0489865    -2.88   0.004    -.2369485    -.044925
        civwar |   .3800259   .1469996     2.59   0.010      .091912    .6681399
    initiator2 |  -1.561498   .4974841    -3.14   0.002    -2.536549   -.5864469
     defender2 |  -.0240782   .3345076    -0.07   0.943    -.6797011    .6315447
       inherit |  -.7475187    .592596    -1.26   0.207    -1.908986    .4139482
        dwinsh |  -.1315028   .4839256    -0.27   0.786    -1.079979    .8169739
       dlosesh |   1.456094   .3684724     3.95   0.000     .7339012    2.178287
       ddrawsh |   .1913782   .5018834     0.38   0.703    -.7922952    1.175052
       dwinwar |  -4.841235   2.509408    -1.93   0.054    -9.759585    .0771145
      dlosewar |   2.855267    .420487     6.79   0.000     2.031128    3.679406
      ddrawwar |  -.4705119   .4378889    -1.07   0.283    -1.328758    .3877346
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006075   .0001266     4.80   0.000     .0003594    .0008556
        civwar |   .0001295   .0000456     2.84   0.005     .0000401    .0002188
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.3. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: IMPUTED DATA (COEFFICIENTS INSTEAD OF HAZARD RATIOS)

Code for Imputation

```
mi set mlong

mi register imputed lngdpcapL growth tropen2L dopen2 lnpop age0
(1615 m=0 obs. now marked as incomplete)

mi register regular tmixed tdemparl tdempres trans civwar powtimes initiator2 defender2 inherit
dwinsh dlosesh ddrawsh dwinwar dlosewar ddrawwar firc_entry leadfirc_entry instfirc_entry
restfirc_entry failtype

mi impute chained (regress) lngdpcapL growth tropen2L dopen2 lnpop age0 = tmixed tdemparl
tdempres trans civwar powtimes initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar
dlosewar ddrawwar leadfirc_entry instfirc_entry restfirc_entry failtype, add(5)
```

Code for Models

```
Data = Irregular-Leaderyear-Compete.dta and Irregular-Leaderyear-Compete-Imputed.dta

stcrreg firc_entry, compete(failtype==2 3) vce(cluster ccode) noshr

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(restfirc_entry)
vce(cluster ccode) noshr

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode) noshr

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L
dopen2 lnpop, compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode) noshr

mi estimate: stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans
lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh
dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(civwar) vce(cluster ccode)

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes
tmixed tdemparl tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2
inherit dwinsh dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3)
tvc(restfirc_entry civwar) vce(cluster ccode)
```

Model 1 (Not imputed)

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg firc_entry, compete(failtype==2 3) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3673.7137
Iteration 1:   log pseudolikelihood = -3672.4118
Iteration 2:   log pseudolikelihood = -3672.3752
Iteration 3:   log pseudolikelihood = -3672.3752

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(1)     =      20.17
Log pseudolikelihood = -3672.3752             Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  firc_entry |   .8449459   .1881177     4.49   0.000     .4762421     1.21365
------------------------------------------------------------------------------
```

Model 2 (Not imputed)

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(restfirc_entry)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3660.9292
Iteration 1:   log pseudolikelihood = -3659.5071
Iteration 2:   log pseudolikelihood = -3658.8125
Iteration 3:   log pseudolikelihood = -3658.7295
Iteration 4:   log pseudolikelihood = -3658.7288
Iteration 5:   log pseudolikelihood = -3658.7288

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =        493
Competing events: failtype == 2 3             No. competing    =      1,498
                                              No. censored     =        161

                                              Wald chi2(4)     =      56.50
Log pseudolikelihood = -3658.7288             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   1.351679   .2372407     5.70   0.000      .886696    1.816663
instfirc_entry |    .762995   .4989303     1.53   0.126    -.2148905     1.74088
restfirc_entry |  -4.328641   1.326032    -3.26   0.001    -6.927617   -1.729665
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006063   .0001313     4.62   0.000      .000349    .0008635
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3 (Imputed)

```
Data = Irregular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)
(60 values of regular variable trans in m>0 updated to match values in m=0)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0005
                                                Largest FMI       =     0.0032
DF adjustment:   Large sample                   DF:     min       = 382,432.04
                                                        avg       =   1.51e+14
                                                        max       =   1.06e+15
Model F test:       Equal FMI                   F(   7, 7.5e+07)  =      28.06
Within VCE type:       Robust                   Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
           _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
main          |
leadfirc_entry |   1.640376   .2494895     6.57   0.000     1.151386    2.129367
instfirc_entry |   1.296224   .5014399     2.59   0.010     .3134201    2.279029
restfirc_entry |  -4.141687   1.302313    -3.18   0.001    -6.694173   -1.589202
   irreg_entry |   1.255382   .1277315     9.83   0.000     1.005033    1.505731
          age0 |  -.0236634    .003999    -5.92   0.000    -.0315013   -.0158255
      powtimes |    .253018   .0787478     3.21   0.001     .0986752    .4073609
--------------+---------------------------------------------------------------
tvc           |
restfirc_entry |   .0006071   .0001321     4.60   0.000     .0003483     .000866
------------------------------------------------------------------------------
```

Model 4 (Not imputed)

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3543.9366
Iteration 1:   log pseudolikelihood = -3532.9647
Iteration 2:   log pseudolikelihood = -3515.5598
Iteration 3:   log pseudolikelihood = -3512.3095
Iteration 4:   log pseudolikelihood = -3511.7301
Iteration 5:   log pseudolikelihood = -3511.7032
Iteration 6:   log pseudolikelihood = -3511.7032

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(8)     =     131.12
Log pseudolikelihood = -3511.7032               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |    .791496   .2390924     3.31   0.001     .3228836    1.260108
instfirc_entry |   .5653638   .5339675     1.06   0.290    -.4811932    1.611921
restfirc_entry |  -4.538357   1.340669    -3.39   0.001     -7.16602   -1.910694
        tmixed |  -.3093177   .1246631    -2.48   0.013    -.5536528   -.0649826
      tdemparl |  -2.625491   .2945807    -8.91   0.000    -3.202859   -2.048124
      tdempres |  -1.534177   .2354203    -6.52   0.000    -1.995592   -1.072761
         trans |  -.1964443    .185957    -1.06   0.291    -.5609134    .1680247
----------------+-------------------------------------------------------------
tvc             |
restfirc_entry |   .0006075    .000133     4.57   0.000     .0003469    .0008681
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5 (Imputed)

```
Data = Irregular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L
dopen2 lnpop, compete(failtype==2 3) tvc(restfirc_entry) vce(cluster ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.1123
                                                Largest FMI       =     0.3247
DF adjustment:   Large sample                   DF:     min       =      45.73
                                                        avg       =   1.53e+08
                                                        max       =   8.89e+08
Model F test:       Equal FMI                   F(   9, 2839.4)   =      16.23
Within VCE type:       Robust                   Prob > F          =     0.0000

                                 (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |   .7838149   .2692966     2.91   0.004     .2554771    1.312153
instfirc_entry |    .635846   .5053092     1.26   0.208    -.3547554    1.626447
restfirc_entry |  -4.428531   1.428869    -3.10   0.002    -7.229064   -1.627999
     lngdpcapL |  -.6817005   .0785804    -8.68   0.000    -.8360691   -.5273319
        growth |  -2.655289   .4650791    -5.71   0.000    -3.567512   -1.743067
      tropen2L |  -.3885852   .2654159    -1.46   0.150    -.9229253    .1457549
        dopen2 |  -.3225475    .231358    -1.39   0.168    -.7836474    .1385524
         lnpop |  -.0740552   .0412142    -1.80   0.072    -.1548759    .0067655
----------------+-------------------------------------------------------------
tvc             |
restfirc_entry |   .0006154   .0001347     4.57   0.000     .0003515    .0008794
------------------------------------------------------------------------------
```

Model 6 (Not Imputed)

```
Data = Irregular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(restfirc_entry civwar)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -3583.0556
Iteration 1:   log pseudolikelihood = -3578.5185
Iteration 2:   log pseudolikelihood = -3569.5598
Iteration 3:   log pseudolikelihood = -3568.7208
Iteration 4:   log pseudolikelihood = -3568.6497
Iteration 5:   log pseudolikelihood = -3568.6492
Iteration 6:   log pseudolikelihood = -3568.6492

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =        493
Competing events: failtype == 2 3               No. competing    =      1,498
                                                No. censored     =        161

                                                Wald chi2(15)    =     307.27
Log pseudolikelihood = -3568.6492               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   1.036715   .2306055     4.50   0.000     .5847361    1.488693
instfirc_entry |   .9756819   .5022873     1.94   0.052     -.008783    1.960147
restfirc_entry |   -4.84477   1.449612    -3.34   0.001    -7.685958   -2.003582
       civwar |   .6440076    .173276     3.72   0.000      .304393    .9836223
   initiator2 |  -1.136055    .391806    -2.90   0.004     -1.90398    -.368129
    defender2 |  -.1040285   .2668439    -0.39   0.697    -.6270329    .4189759
      inherit |  -.9119097   .3484644    -2.62   0.009    -1.594887   -.2289319
       dwinsh |  -.5747805   .4728002    -1.22   0.224    -1.501452    .3518909
      dlosesh |   1.625007   .3022359     5.38   0.000     1.032635    2.217378
      ddrawsh |   .0539216   .4138865     0.13   0.896     -.757281    .8651242
      dwinwar |  -.4246347    .846281    -0.50   0.616    -2.083315    1.234046
     dlosewar |   3.203614   .3470111     9.23   0.000     2.523484    3.883743
     ddrawwar |   .2015592   .4280878     0.47   0.638    -.6374774    1.040596
-------------+----------------------------------------------------------------
tvc          |
restfirc_entry |   .0006465   .0001294     5.00   0.000     .0003929       .0009
       civwar |   .0001316   .0000422     3.12   0.002      .000049    .0002143
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7 (Imputed)

```
Data = Irregular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans
lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh
dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(civwar) vce(cluster ccode)
(60 values of regular variable trans in m>0 updated to match values in m=0)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0838
                                                Largest FMI       =     0.4569
DF adjustment:   Large sample                   DF:     min       =      23.50
                                                        avg       = 382,579.06
                                                        max       = 2875297.04
Model F test:       Equal FMI                   F(  24,14815.2)   =      26.15
Within VCE type:        Robust                  Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
          _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   .5504018   .1999859     2.75   0.006     .1584335    .9423702
 irreg_entry |   .5913419   .1268992     4.66   0.000     .3426237    .8400601
        age0 |  -.0140679   .0039887    -3.53   0.000    -.0218857   -.0062501
    powtimes |    .267192   .0640742     4.17   0.000     .1415929    .3927912
      tmixed |  -.0881445   .1201418    -0.73   0.463    -.3236188    .1473299
    tdemparl |   -1.92955   .3092254    -6.24   0.000    -2.535625   -1.323475
    tdempres |  -.9638822   .2359563    -4.09   0.000    -1.426352   -.5014121
       trans |  -.4218118   .1861013    -2.27   0.023    -.7865661   -.0570576
   lngdpcapL |   -.275728   .0783924    -3.52   0.001    -.4311404   -.1203157
      growth |  -1.620653   .4387087    -3.69   0.000    -2.482998   -.7583091
    tropen2L |  -.4503852    .285516    -1.58   0.128    -1.040321    .1395509
      dopen2 |  -.3232835   .2370493    -1.36   0.181    -.8038955    .1573284
       lnpop |  -.0503667   .0371542    -1.36   0.176    -.1232763    .0225428
      civwar |   .3991949   .1181181     3.38   0.001     .1676714    .6307183
  initiator2 |  -1.387572   .4217485    -3.29   0.001    -2.214189   -.5609546
   defender2 |   .1299883   .2798462     0.46   0.642     -.418504    .6784805
     inherit |  -.8783341   .4097671    -2.14   0.032    -1.681471   -.0751973
      dwinsh |  -.2574016   .4267896    -0.60   0.546    -1.093894    .5790912
     dlosesh |    1.51835   .3191276     4.76   0.000      .892867    2.143833
     ddrawsh |    .201427   .4122416     0.49   0.625     -.606552    1.009406
     dwinwar |  -.7657841   .8274835    -0.93   0.355    -2.388487     .856919
    dlosewar |   2.889321   .3452665     8.37   0.000       2.2126    3.566042
    ddrawwar |  -.2899835   .4773979    -0.61   0.544    -1.225668    .6457011
-------------+----------------------------------------------------------------
tvc          |
      civwar |   .0001269   .0000424     3.00   0.003     .0000439    .0002099
------------------------------------------------------------------------------
```

Model 8 (Imputed)

```
Data = Irregular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes
tmixed tdemparl tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2
inherit dwinsh dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3)
tvc(restfirc_entry civwar) vce(cluster ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0689
                                                Largest FMI       =     0.4273
DF adjustment:   Large sample                   DF:     min       =      26.82
                                                        avg       =   3.01e+07
                                                        max       =   6.04e+08
Model F test:       Equal FMI                   F(  27,24161.3)   =      26.46
Within VCE type:        Robust                  Prob > F          =     0.0000

                                  (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
           _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
main          |
leadfirc_entry |   .7503484   .2297461     3.27   0.001      .300004    1.200693
instfirc_entry |   1.165258   .5145982     2.26   0.024     .1566445    2.173872
restfirc_entry |  -4.882907   1.597917    -3.06   0.002    -8.014767   -1.751046
   irreg_entry |   .6025203   .1260573     4.78   0.000     .3554522    .8495884
          age0 |  -.0147458   .0040602    -3.63   0.000    -.0227037    -.006788
      powtimes |   .2861425   .0617329     4.64   0.000     .1651275    .4071574
        tmixed |  -.0679966   .1215408    -0.56   0.576     -.306213    .1702198
      tdemparl |  -1.909413   .3125963    -6.11   0.000    -2.522095   -1.296731
      tdempres |  -.9519193   .2380506    -4.00   0.000    -1.418494   -.4853445
         trans |  -.3766869   .1838149    -2.05   0.040    -.7369597   -.0164141
     lngdpcapL |   -.262197   .0797805    -3.29   0.001    -.4201359   -.1042581
        growth |  -1.545192   .4402934    -3.51   0.000    -2.410316   -.6800682
      tropen2L |  -.4076201   .2730759    -1.49   0.147    -.9681003      .15286
        dopen2 |  -.3045348   .2373862    -1.28   0.207    -.7842921    .1752226
         lnpop |  -.0557288   .0384067    -1.45   0.147    -.1310662    .0196087
        civwar |   .3872274   .1214427     3.19   0.001     .1491933    .6252614
    initiator2 |  -1.385256   .4173272    -3.32   0.001    -2.203205   -.5673069
     defender2 |   .1075011    .276189     0.39   0.697    -.4338232    .6488253
       inherit |  -.7967487   .3735584    -2.13   0.033    -1.528925    -.064572
        dwinsh |  -.3187801   .4312764    -0.74   0.460    -1.164067    .5265068
       dlosesh |   1.514006   .3082683     4.91   0.000     .9098066    2.118206
       ddrawsh |   .2019874   .4109691     0.49   0.623    -.6034976    1.007472
       dwinwar |  -.7320103   .8297666    -0.88   0.378     -2.35899    .8949695
      dlosewar |   2.965186    .338824     8.75   0.000      2.30109    3.629283
      ddrawwar |  -.2730098   .4766247    -0.57   0.567     -1.20718    .6611604
--------------+---------------------------------------------------------------
tvc           |
restfirc_entry |   .0006424   .0001299     4.95   0.000     .0003878     .000897
        civwar |   .0001307   .0000416     3.14   0.002     .0000491    .0002123
------------------------------------------------------------------------------
```

CODE FOR TABLE 4.4. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1875-2004, LEADER-SPELL DATA

```
Data = Irregular-Leaderspell-Compete.dta

stcrreg foreign_entryabd, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) vce(cluster ccode)

stcrreg foreign_entryabd irreg_entryabd lnpec4_fill lntpop4_banks mountainous newstate losewar
cw1000ongoing2014 gdbuffer leaderage prevtimesinoffice pol_democ pol_mixed, compete(failtype==2
3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed elfroeder oil_colgan if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed ldiscrimpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed lexclpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed oil_ross, compete(failtype==2 3) vce(cluster ccode)
```

TABLE 4.4. COMPETING RISKS ANALYSIS OF IRREGULAR REMOVAL FROM OFFICE, 1875-2004, LEADER-SPELL DATA: COMPLETE RESULTS

```
Data = Irregular-Leaderspell-Compete.dta
```

Model 1

```
stcrreg foreign_entryabd, compete(failtype==2 3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -5188.5809
Iteration 1:   log pseudolikelihood = -5187.2926
Iteration 2:   log pseudolikelihood = -5187.2744
Iteration 3:   log pseudolikelihood = -5187.2744

Competing-risks regression                      No. of obs       =      3,057
                                                No. of subjects  =      3,057
Failure event   : failtype == 1                 No. failed       =        664
Competing events: failtype == 2 3               No. competing    =      2,222
                                                No. censored     =        171

                                                Wald chi2(1)     =      32.89
Log pseudolikelihood = -5187.2744               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 186 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
foreign_entryabd |   2.767396   .4911772     5.74   0.000     1.954313     3.91876
------------------------------------------------------------------------------
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -5177.1266
Iteration 1:   log pseudolikelihood = -5175.3916
Iteration 2:   log pseudolikelihood = -5175.3483
Iteration 3:   log pseudolikelihood = -5175.3483

Competing-risks regression                      No. of obs       =      3,057
                                                No. of subjects  =      3,057
Failure event   : failtype == 1                 No. failed       =        664
Competing events: failtype == 2 3               No. competing    =      2,222
                                                No. censored     =        171

                                                Wald chi2(3)     =      61.98
Log pseudolikelihood = -5175.3483               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 186 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
leadfirc_entry |    4.36155   .8426781     7.62   0.000     2.986645    6.369396
instfirc_entry |   1.701365   .7954089     1.14   0.256     .6805347    4.253482
restfirc_entry |   .4279066    .287642    -1.26   0.207     .1145948    1.597839
------------------------------------------------------------------------------
```

Model 3

```
stcrreg foreign_entryabd irreg_entryabd lnpec4_fill lntpop4_banks mountainous newstate losewar
cw1000ongoing2014 gdbuffer leaderage prevtimesinoffice pol_democ pol_mixed, compete(failtype==2
3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -4536.3304
Iteration 1:   log pseudolikelihood = -4485.4858
Iteration 2:   log pseudolikelihood = -4483.5609
Iteration 3:   log pseudolikelihood = -4483.5596
Iteration 4:   log pseudolikelihood = -4483.5596

Competing-risks regression                      No. of obs       =      2,876
                                                No. of subjects  =      2,876
Failure event   : failtype == 1                 No. failed       =        612
Competing events: failtype == 2 3               No. competing    =      2,102
                                                No. censored     =        162

                                                Wald chi2(13)    =     284.18
Log pseudolikelihood = -4483.5596               Prob > chi2      =     0.0000

                                    (Std. Err. adjusted for 172 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
 foreign_entryabd |   2.219985   .4089222     4.33   0.000     1.547242    3.185237
   irreg_entryabd |   2.296938    .226096     8.45   0.000     1.893924    2.785712
      lnpec4_fill |    .915792   .0151593    -5.31   0.000     .8865571    .9459909
    lntpop4_banks |   1.100404   .0514858     2.04   0.041     1.003982    1.206086
      mountainous |   .9485646   .2476272    -0.20   0.840     .5686654    1.582257
         newstate |    1.54596   .2188678     3.08   0.002     1.171359    2.040357
          losewar |   1.320029   .2985901     1.23   0.220     .8473095    2.056482
cw1000ongoing2014 |   1.053938   .1285673     0.43   0.667     .8298112    1.338601
         gdbuffer |   .8310572   .1383973    -1.11   0.266     .5996238    1.151816
        leaderage |   .9884072   .0037492    -3.07   0.002     .9810861     .995783
prevtimesinoffice |   1.244942   .0792626     3.44   0.001     1.098892    1.410403
        pol_democ |   .2433958    .053067    -6.48   0.000      .158755     .373163
        pol_mixed |   .8531381   .0873321    -1.55   0.121     .6980483    1.042685
------------------------------------------------------------------------------
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -4530.8224
Iteration 1:   log pseudolikelihood =  -4478.788
Iteration 2:   log pseudolikelihood = -4476.4766
Iteration 3:   log pseudolikelihood = -4476.4741
Iteration 4:   log pseudolikelihood = -4476.4741

Competing-risks regression                    No. of obs       =      2,876
                                              No. of subjects  =      2,876
Failure event   : failtype == 1               No. failed       =        612
Competing events: failtype == 2 3             No. competing    =      2,102
                                              No. censored     =        162

                                              Wald chi2(15)    =     292.60
Log pseudolikelihood = -4476.4741             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 172 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   3.454017   .7633938     5.61   0.000     2.239727    5.326646
   instfirc_entry |   1.140744    .630129     0.24   0.812      .386365     3.36805
   restfirc_entry |   .5248733   .3065181    -1.10   0.270     .1670959    1.648706
   irreg_entryabd |   2.320013   .2321534     8.41   0.000     1.906841    2.822711
      lnpec4_fill |   .9176174   .0155189    -5.08   0.000     .8876995    .9485437
    lntpop4_banks |   1.097182   .0508951     2.00   0.046     1.001829    1.201609
      mountainous |   .9198192   .2494013    -0.31   0.758     .5406377    1.564943
         newstate |   1.534591   .2164254     3.04   0.002     1.163983      2.0232
          losewar |   1.298163   .3011202     1.12   0.261      .823921    2.045374
         gdbuffer |   .8260127   .1382732    -1.14   0.254     .5949725     1.14677
cw1000ongoing2014 |   1.042317   .1273338     0.34   0.734     .8203766    1.324299
        leaderage |   .9894846   .0037601    -2.78   0.005     .9821423    .9968818
prevtimesinoffice |   1.263689   .0791274     3.74   0.000     1.117741    1.428694
        pol_democ |   .2413255   .0540025    -6.35   0.000     .1556417    .3741798
        pol_mixed |   .8413861   .0863523    -1.68   0.092     .6880748    1.028857
------------------------------------------------------------------------------
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed elfroeder oil_colgan if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -2247.3667
Iteration 1:   log pseudolikelihood = -2216.1482
Iteration 2:   log pseudolikelihood = -2215.2422
Iteration 3:   log pseudolikelihood = -2215.2409
Iteration 4:   log pseudolikelihood = -2215.2409

Competing-risks regression                      No. of obs       =      1,619
                                                No. of subjects  =      1,619
Failure event   : failtype == 1                 No. failed       =        335
Competing events: failtype == 2 3               No. competing    =      1,126
                                                No. censored     =        158

                                                Wald chi2(17)    =     956.78
Log pseudolikelihood = -2215.2409               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 167 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   3.249359   1.064173     3.60   0.000     1.710122    6.174022
   instfirc_entry |   2.48e-08   2.31e-08   -18.78   0.000     3.98e-09    1.54e-07
   restfirc_entry |   .2540902   .2368864    -1.47   0.142     .0408714    1.579635
   irreg_entryabd |   1.895087   .2881501     4.20   0.000     1.406705    2.553026
      lnpec4_fill |   .8859289   .0201388    -5.33   0.000     .8473239    .9262928
    lntpop4_banks |   1.112073   .0585669     2.02   0.044     1.003009    1.232995
      mountainous |   .6983946   .2240538    -1.12   0.263     .3724129    1.309716
         newstate |   1.254073   .1980387     1.43   0.152     .9202463    1.708998
          losewar |   2.297893   1.336354     1.43   0.153     .7350352    7.183755
         gdbuffer |   .7179094    .198814    -1.20   0.231     .4171983    1.235369
cw1000ongoing2014 |   1.116323    .168467     0.73   0.466     .8304877    1.500537
        leaderage |   .9931429   .0053219    -1.28   0.199     .9827668    1.003629
prevtimesinoffice |    1.38639   .1286262     3.52   0.000      1.15588    1.662869
        pol_democ |     .20213   .0570951    -5.66   0.000     .1161968    .3516149
        pol_mixed |   .9281916   .1243764    -0.56   0.578     .7138021    1.206973
        elfroeder |   .9298086   .2293968    -0.29   0.768      .573311    1.507984
       oil_colgan |   1.331267   .2624576     1.45   0.147     .9045901    1.959199
------------------------------------------------------------------------------
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed ldiscrimpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -2142.1762
Iteration 1:   log pseudolikelihood = -2110.6587
Iteration 2:   log pseudolikelihood = -2109.8518
Iteration 3:   log pseudolikelihood = -2109.8498
Iteration 4:   log pseudolikelihood = -2109.8498

Competing-risks regression                    No. of obs       =      1,551
                                              No. of subjects  =      1,551
Failure event   : failtype == 1               No. failed       =        321
Competing events: failtype == 2 3             No. competing    =      1,081
                                              No. censored     =        149

                                              Wald chi2(16)    =     875.26
Log pseudolikelihood = -2109.8498             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 158 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   2.855239   1.099154     2.73   0.006     1.342653    6.071854
   instfirc_entry |   3.08e-07   2.52e-07   -18.30   0.000     6.17e-08    1.53e-06
   restfirc_entry |   .2913069   .2825484    -1.27   0.204     .0435253    1.949664
   irreg_entryabd |   1.855831   .2881782     3.98   0.000     1.368868    2.516027
      lnpec4_fill |   .8897394   .0202262    -5.14   0.000      .850967    .9302784
    lntpop4_banks |   1.113557   .0657788     1.82   0.069     .9918165    1.250241
      mountainous |   .6064062   .2258885    -1.34   0.179     .2922052     1.25846
         newstate |   1.145629   .1941182     0.80   0.422     .8218911    1.596885
          losewar |   2.292222   1.376457     1.38   0.167     .7065104    7.436948
         gdbuffer |   .7269212   .1983512    -1.17   0.242     .4258183    1.240939
cw1000ongoing2014 |   1.128173   .1725321     0.79   0.430     .8359897    1.522476
        leaderage |   .9906446   .0054116    -1.72   0.085     .9800945    1.001308
prevtimesinoffice |   1.417543   .1294454     3.82   0.000     1.185242    1.695372
        pol_democ |   .2016437   .0564615    -5.72   0.000     .1164777    .3490811
        pol_mixed |    .912882   .1266165    -0.66   0.511     .6955898    1.198053
      ldiscrimpop |   1.129977   .3288631     0.42   0.675     .6387635    1.998938
------------------------------------------------------------------------------
```

Model 7

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed lexclpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -2141.7805
Iteration 1:   log pseudolikelihood =  -2110.286
Iteration 2:   log pseudolikelihood = -2109.4698
Iteration 3:   log pseudolikelihood = -2109.4678
Iteration 4:   log pseudolikelihood = -2109.4678

Competing-risks regression                      No. of obs       =      1,551
                                                No. of subjects  =      1,551
Failure event   : failtype == 1                 No. failed       =        321
Competing events: failtype == 2 3               No. competing    =      1,081
                                                No. censored     =        149

                                                Wald chi2(16)    =     837.54
Log pseudolikelihood = -2109.4678               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 158 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   2.777866   1.074557     2.64   0.008     1.301495    5.928981
   instfirc_entry |   2.93e-07   2.46e-07   -17.92   0.000     5.66e-08    1.52e-06
   restfirc_entry |   .2937477   .2846273    -1.26   0.206     .0439745    1.962219
   irreg_entryabd |   1.848733   .2875945     3.95   0.000     1.362883    2.507781
      lnpec4_fill |   .8899025    .020205    -5.14   0.000     .8511697    .9303979
    lntpop4_banks |   1.113089   .0653142     1.83   0.068     .9921624    1.248754
      mountainous |   .6094291   .2260822    -1.33   0.182     .2945438    1.260946
         newstate |   1.136857   .1909103     0.76   0.445      .818022    1.579961
          losewar |   2.323571   1.351498     1.45   0.147     .7431166    7.265321
         gdbuffer |   .7345007   .1989196    -1.14   0.255     .4319837     1.24887
cw1000ongoing2014 |   1.116938   .1724546     0.72   0.474     .8252856     1.51166
        leaderage |   .9910508     .00544    -1.64   0.101     .9804457    1.001771
prevtimesinoffice |   1.412221   .1279962     3.81   0.000     1.182372    1.686751
        pol_democ |   .2054637   .0572527    -5.68   0.000     .1189999    .3547509
        pol_mixed |   .9235916    .128037    -0.57   0.566     .7038472    1.211941
         lexclpop |    1.22388   .2694344     0.92   0.359     .7949665    1.884209
------------------------------------------------------------------------------
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed oil_ross, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -1594.8344
Iteration 1:   log pseudolikelihood = -1573.2408
Iteration 2:   log pseudolikelihood = -1572.8338
Iteration 3:   log pseudolikelihood = -1572.8333
Iteration 4:   log pseudolikelihood = -1572.8333

Competing-risks regression                    No. of obs       =      1,261
                                              No. of subjects  =      1,261
Failure event   : failtype == 1               No. failed       =        247
Competing events: failtype == 2 3             No. competing    =        860
                                              No. censored     =        154

                                              Wald chi2(16)    =    3102.47
Log pseudolikelihood = -1572.8333             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 160 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   3.186081   1.120381     3.30   0.001     1.599311    6.347179
   instfirc_entry |   1.14e-08   9.53e-09   -21.83   0.000     2.20e-09    5.88e-08
   restfirc_entry |   1.15e-08   5.34e-09   -39.48   0.000     4.66e-09    2.86e-08
   irreg_entryabd |   1.775447    .327918     3.11   0.002     1.236216    2.549889
      lnpec4_fill |   .8964952   .0226526    -4.32   0.000     .8531783    .9420114
    lntpop4_banks |   1.091787   .0719763     1.33   0.183     .9594495    1.242377
      mountainous |    .787821   .2589419    -0.73   0.468     .4136696    1.500381
         newstate |   1.322938   .2586688     1.43   0.152     .9017941    1.940759
          losewar |   1.248822   .7229183     0.38   0.701     .4015662    3.883687
         gdbuffer |    .673351   .2196607    -1.21   0.225     .3552731    1.276206
cw1000ongoing2014 |   1.066544   .1763976     0.39   0.697     .7712535    1.474893
        leaderage |   .9959814   .0067709    -0.59   0.554     .9827988    1.009341
prevtimesinoffice |   1.496515   .1462271     4.13   0.000     1.235688    1.812398
        pol_democ |   .1894183   .0548027    -5.75   0.000     .1074365    .3339583
        pol_mixed |   .7754233   .1218381    -1.62   0.106     .5698941    1.055076
         oil_ross |   1.005704   .0344017     0.17   0.868     .9404882    1.075442
------------------------------------------------------------------------------
```

CODE FOR TABLE 4.5. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA

```
Data = Regular-Leaderyear-Compete.dta

stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry irreg_entry age0) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry tmixed tdemparl tdempres trans)
vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry lngdpcapL) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode)

stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(firc_entry irreg_entry age0 tmixed tdemparl tdempres trans
lngdpcapL) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry irreg_entry age0 tmixed tdemparl tdempres trans lngdpcapL) vce(cluster ccode)
```

TABLE 4.5. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: COMPLETE RESULTS

Data = Regular-Leaderyear-Compete.dta

Model 1

```
stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9509.4677
Iteration 1:   log pseudolikelihood = -9509.1313
Iteration 2:   log pseudolikelihood = -9509.1289
Iteration 3:   log pseudolikelihood = -9509.1289

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(2)     =       9.27
Log pseudolikelihood = -9509.1289             Prob > chi2      =     0.0097

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   .4654133   .1195055    -2.98   0.003     .2813671    .7698468
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   1.000149   .0000837     1.78   0.075     .9999851    1.000313
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9518.1781
Iteration 1:   log pseudolikelihood = -9508.6525
Iteration 2:   log pseudolikelihood = -9503.1772
Iteration 3:   log pseudolikelihood = -9503.0629
Iteration 4:   log pseudolikelihood = -9503.0618
Iteration 5:   log pseudolikelihood = -9503.0618

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(5)     =      22.00
Log pseudolikelihood = -9503.0618             Prob > chi2      =     0.0005

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .3318459   .1194278    -3.07   0.002     .1639073    .6718538
instfirc_entry |   .4734625   .1592889    -2.22   0.026     .2448569    .9155009
restfirc_entry |   .8715333   .3813185    -0.31   0.753       .36971    2.054503
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   1.000198   .0000883     2.24   0.025     1.000025    1.000371
restfirc_entry |    1.00024   .0001196     2.00   0.045     1.000005    1.000474
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry irreg_entry age0) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9401.0833
Iteration 1:   log pseudolikelihood = -9371.1219
Iteration 2:   log pseudolikelihood = -9360.6614
Iteration 3:   log pseudolikelihood = -9360.4622
Iteration 4:   log pseudolikelihood = -9360.4611
Iteration 5:   log pseudolikelihood = -9360.4611

Competing-risks regression                      No. of obs       =     10,973
                                                No. of subjects  =      2,142
Failure event   : failtype == 1                 No. failed       =      1,313
Competing events: failtype == 2 3               No. competing    =        668
                                                No. censored     =        161

                                                Wald chi2(10)    =     109.04
Log pseudolikelihood = -9360.4611               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .3024852   .1101047    -3.28   0.001     .1482062    .6173646
instfirc_entry |   .4017961   .1321062    -2.77   0.006     .2109308    .7653701
restfirc_entry |   .8348333   .3710095    -0.41   0.685     .3493945    1.994727
   irreg_entry |   .6837689   .1154475    -2.25   0.024     .4911256    .9519763
          age0 |   1.018842   .0041803     4.55   0.000     1.010681    1.027068
      powtimes |   .9988538   .0575779    -0.02   0.984     .8921447    1.118326
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   1.000172   .0000932     1.84   0.065     .9999891    1.000355
restfirc_entry |    1.00019   .0001219     1.56   0.120     .9999507    1.000429
   irreg_entry |    .999709   .0001179    -2.47   0.014      .999478      .99994
          age0 |   .9999963   1.58e-06    -2.34   0.019     .9999932    .9999994
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry tmixed tdemparl tdempres trans)
vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9298.0657
Iteration 1:   log pseudolikelihood = -9278.6905
Iteration 2:   log pseudolikelihood = -9262.1053
Iteration 3:   log pseudolikelihood = -9260.4424
Iteration 4:   log pseudolikelihood = -9260.4344
Iteration 5:   log pseudolikelihood = -9260.4344

Competing-risks regression                    No. of obs       =     10,983
                                              No. of subjects  =      2,149
Failure event   : failtype == 1               No. failed       =      1,319
Competing events: failtype == 2 3             No. competing    =        669
                                              No. censored     =        161

                                              Wald chi2(13)    =     239.73
Log pseudolikelihood = -9260.4344             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .4891548   .1824632    -1.92   0.055     .2354688    1.016153
instfirc_entry |   .5789659   .1917386    -1.65   0.099     .3025221    1.108024
restfirc_entry |   1.016011   .3347329     0.05   0.962     .5326766     1.93791
        tmixed |   4.055841    .938878     6.05   0.000     2.576547    6.384454
      tdemparl |   7.919258    1.80437     9.08   0.000     5.066894    12.37734
      tdempres |   3.964243   .8622032     6.33   0.000     2.588381     6.07145
         trans |   6.645129   1.773003     7.10   0.000     3.939057    11.21023
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   1.000146   .0001047     1.40   0.162     .9999411    1.000352
restfirc_entry |   1.000302   .0001078     2.80   0.005      1.00009    1.000513
        tmixed |   .9998046   .0000902    -2.17   0.030     .9996278    .9999815
      tdemparl |   .9999346   .0000818    -0.80   0.424     .9997743    1.000095
      tdempres |   1.000106    .000077     1.37   0.170     .9999549    1.000257
         trans |   .9994164   .0001975    -2.95   0.003     .9990293    .9998036
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry lngdpcapL) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -7967.4845
Iteration 1:   log pseudolikelihood = -7959.5537
Iteration 2:   log pseudolikelihood = -7945.8704
Iteration 3:   log pseudolikelihood =   -7945.71
Iteration 4:   log pseudolikelihood = -7945.7098

Competing-risks regression                      No. of obs       =      9,390
                                                No. of subjects  =      1,854
Failure event   : failtype == 1                 No. failed       =      1,153
Competing events: failtype == 2 3               No. competing    =        536
                                                No. censored     =        165

                                                Wald chi2(11)    =     138.06
Log pseudolikelihood = -7945.7098               Prob > chi2      =     0.0000

                                 (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .2253357   .1132843    -2.96   0.003     .0841202    .6036143
instfirc_entry |   .7551007   .3323511    -0.64   0.523     .3186807     1.78918
restfirc_entry |    1.06625   .5968706     0.11   0.909      .355934    3.194102
     lngdpcapL |   1.243491   .0816233     3.32   0.001     1.093376    1.414217
        growth |   1.193877   .7882785     0.27   0.788     .3272947    4.354923
      tropen2L |   .7508351   .1791955    -1.20   0.230     .4703223    1.198653
         dopen2 |   .8738528   .1384955    -0.85   0.395     .6405201    1.192186
          lnpop |   1.108289   .0404373     2.82   0.005     1.031801    1.190447
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   1.000208   .0001068     1.95   0.051      .999999    1.000418
restfirc_entry |   1.000157   .0001184     1.33   0.185      .999925    1.000389
     lngdpcapL |   1.000132   .0000349     3.78   0.000     1.000063      1.0002
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9512.6342
Iteration 1:   log pseudolikelihood =  -9491.513
Iteration 2:   log pseudolikelihood = -9480.5354
Iteration 3:   log pseudolikelihood = -9480.1521
Iteration 4:   log pseudolikelihood = -9480.1507
Iteration 5:   log pseudolikelihood = -9480.1507

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =      1,321
Competing events: failtype == 2 3               No. competing    =        670
                                                No. censored     =        161

                                                Wald chi2(15)    =      49.10
Log pseudolikelihood = -9480.1507               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .3669536   .1335062    -2.76   0.006     .1798558     .748683
instfirc_entry |    .444714   .1517412    -2.37   0.018     .2278462    .8680002
restfirc_entry |   .8801578   .3923672    -0.29   0.775     .3673684    2.108722
       civwar |   .8071861   .1001039    -1.73   0.084     .6330108    1.029286
   initiator2 |   .4225777   .1264721    -2.88   0.004     .2350459    .7597318
    defender2 |   .8252018   .1754343    -0.90   0.366     .5439994    1.251762
      inherit |   1.213009   .4162258     0.56   0.574     .6191374    2.376518
       dwinsh |   1.251764   .2867127     0.98   0.327     .7990196    1.961045
      dlosesh |   .6989088   .1854174    -1.35   0.177     .4155283    1.175548
      ddrawsh |   1.171229   .2300855     0.80   0.421      .796939    1.721308
      dwinwar |   .6748165   .2489639    -1.07   0.286     .3274516    1.390671
     dlosewar |   .3899413    .156026    -2.35   0.019     .1779961    .8542555
     ddrawwar |   .8014204   .3956446    -0.45   0.654     .3045369    2.109021
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   1.000198   .0000879     2.25   0.025     1.000025     1.00037
restfirc_entry |   1.000233   .0001201     1.94   0.052     .9999977    1.000468
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7

```
stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(firc_entry irreg_entry age0 tmixed tdemparl tdempres trans
lngdpcapL) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -7833.7668
Iteration 1:   log pseudolikelihood = -7772.0681
Iteration 2:   log pseudolikelihood = -7741.1811
Iteration 3:   log pseudolikelihood = -7736.3081
Iteration 4:   log pseudolikelihood = -7725.3227
Iteration 5:   log pseudolikelihood = -7724.6874
Iteration 6:   log pseudolikelihood = -7724.6857
Iteration 7:   log pseudolikelihood = -7724.6857

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =      1,145
Competing events: failtype == 2 3               No. competing    =        534
                                                No. censored     =        165

                                                Wald chi2(31)    =     406.63
Log pseudolikelihood = -7724.6857               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   .6503021   .2087356    -1.34   0.180     .3466526    1.219933
 irreg_entry |   1.269362   .2417147     1.25   0.210     .8739727    1.843628
        age0 |   1.015234   .0047203     3.25   0.001     1.006024    1.024528
    powtimes |   .9539513   .0678848    -0.66   0.508     .8297614    1.096729
      tmixed |   4.708909   1.131598     6.45   0.000      2.94014    7.541757
    tdemparl |   7.779353   1.946924     8.20   0.000     4.763375    12.70492
    tdempres |   3.703753   .8402918     5.77   0.000     2.374242    5.777754
       trans |   6.385709   1.830639     6.47   0.000     3.640733    11.20029
   lngdpcapL |   1.015708   .0708701     0.22   0.823     .8858846    1.164557
      growth |   .5887585   .4021112    -0.78   0.438     .1543769    2.245392
    tropen2L |   .8008079   .1701488    -1.05   0.296     .5280467    1.214463
      dopen2 |   .9896565   .1413989    -0.07   0.942     .7479415    1.309488
       lnpop |   1.114084   .0403548     2.98   0.003     1.037733    1.196054
      civwar |   .7919834   .0827883    -2.23   0.026     .6452641    .9720636
  initiator2 |   .4771983    .161482    -2.19   0.029     .2458417    .9262797
   defender2 |   .7248402   .1543681    -1.51   0.131     .4774888    1.100326
     inherit |   1.130536   .4389268     0.32   0.752     .5282123    2.419695
      dwinsh |   .7805796   .2017708    -0.96   0.338     .4703178    1.295517
     dlosesh |   .8672924   .2168396    -0.57   0.569     .5313112    1.415736
     ddrawsh |   1.085105   .2276666     0.39   0.697     .7192516    1.637054
     dwinwar |   .5831034   .2252724    -1.40   0.163     .2734625     1.24335
    dlosewar |   .6108357   .2759113    -1.09   0.275     .2520235    1.480497
    ddrawwar |   1.126569   .5475777     0.25   0.806     .4345349    2.920727
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   1.000149   .0000915     1.63   0.102     .9999701    1.000329
 irreg_entry |   .9997034   .0001408    -2.11   0.035     .9994274    .9999795
        age0 |   .9999932   2.30e-06    -2.95   0.003     .9999887    .9999977
      tmixed |   .9997824   .0000937    -2.32   0.020     .9995987    .9999661
    tdemparl |   .9997882   .0000892    -2.38   0.018     .9996135     .999963
    tdempres |   1.000053   .0000832     0.63   0.526     .9998898    1.000216
       trans |   .9996259   .0001859    -2.01   0.044     .9992616    .9999903
   lngdpcapL |    1.00012   .0000354     3.39   0.001     1.000051    1.000189
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry irreg_entry age0 tmixed tdemparl tdempres trans lngdpcapL) vce(cluster ccode)
         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid
Iteration 0:   log pseudolikelihood = -7828.5442
Iteration 1:   log pseudolikelihood = -7817.4261
Iteration 2:   log pseudolikelihood = -7762.8419
Iteration 3:   log pseudolikelihood = -7755.1192
Iteration 4:   log pseudolikelihood = -7723.6557
Iteration 5:   log pseudolikelihood = -7719.5395
Iteration 6:   log pseudolikelihood = -7719.3581
Iteration 7:   log pseudolikelihood =  -7719.357
Iteration 8:   log pseudolikelihood =  -7719.357

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =      1,145
Competing events: failtype == 2 3               No. competing    =        534
                                                No. censored     =        165

                                                Wald chi2(34)    =     449.39
Log pseudolikelihood =  -7719.357               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .3192208   .1772917    -2.06   0.040     .1074839     .948067
instfirc_entry |   .6233643   .2896032    -1.02   0.309     .2507783    1.549508
restfirc_entry |    1.54716   .6189681     1.09   0.275     .7063136    3.389012
   irreg_entry |   1.275547   .2418723     1.28   0.199     .8796088    1.849709
          age0 |   1.015211   .0047014     3.26   0.001     1.006038    1.024467
      powtimes |   .9460561   .0678243    -0.77   0.439     .8220398    1.088782
        tmixed |   4.669691   1.146738     6.28   0.000     2.885746    7.556456
      tdemparl |   7.687915   1.946268     8.06   0.000     4.680788    12.62694
      tdempres |   3.672752   .8439432     5.66   0.000     2.340983    5.762155
         trans |   6.226373   1.787988     6.37   0.000     3.546509    10.93124
     lngdpcapL |   1.019594   .0715019     0.28   0.782     .8886576    1.169823
        growth |   .5792854   .3913733    -0.81   0.419     .1541022    2.177591
      tropen2L |   .7982774   .1711291    -1.05   0.293       .52442    1.215146
        dopen2 |   .9842255   .1414951    -0.11   0.912     .7425462    1.304565
         lnpop |   1.114438   .0405648     2.98   0.003     1.037702    1.196848
        civwar |   .7944057   .0827891    -2.21   0.027     .6476409    .9744295
    initiator2 |   .4765114   .1617512    -2.18   0.029     .2449819    .9268567
     defender2 |   .7479318    .157706    -1.38   0.168     .4947444    1.130689
       inherit |   1.216475   .4650081     0.51   0.608     .5750743    2.573252
        dwinsh |   .7663408   .1953809    -1.04   0.297     .4649493    1.263102
       dlosesh |   .8869084   .2168221    -0.49   0.623       .54927    1.432094
       ddrawsh |   1.062319   .2231032     0.29   0.773     .7038654     1.60332
       dwinwar |   .5746391   .2212993    -1.44   0.150       .27014    1.222367
      dlosewar |   .6425332   .2918211    -0.97   0.330     .2638171    1.564906
      ddrawwar |   1.099856   .5385658     0.19   0.846     .4212393    2.871727
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |    1.00025   .0001192     2.10   0.036     1.000017    1.000484
restfirc_entry |   1.000112   .0001048     1.07   0.286     .9999064    1.000317
   irreg_entry |   .9996945   .0001422    -2.15   0.032     .9994158    .9999732
          age0 |    .999993   2.35e-06    -2.96   0.003     .9999884    .9999976
        tmixed |   .9997973   .0000998    -2.03   0.042     .9996018    .9999928
      tdemparl |   .9997968   .0000904    -2.25   0.025     .9996196    .9999741
      tdempres |    1.00006   .0000847     0.71   0.478      .999894    1.000226
         trans |   .9996554   .0001892    -1.82   0.069     .9992846    1.000026
     lngdpcapL |   1.000118   .0000356     3.31   0.001     1.000048    1.000188
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.5. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: INTERACTIONS WITH TIME TO CHECK PROPORTIONAL HAZARDS

```
Data = Regular-Leaderyear-Compete.dta

stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9509.4677
Iteration 1:   log pseudolikelihood = -9509.1313
Iteration 2:   log pseudolikelihood = -9509.1289
Iteration 3:   log pseudolikelihood = -9509.1289

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(2)     =       9.27
Log pseudolikelihood = -9509.1289             Prob > chi2      =     0.0097

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |   .4654133   .1195055    -2.98   0.003     .2813671    .7698468
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   1.000149   .0000837     1.78   0.075     .9999851    1.000313
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(leadfirc_entry
instfirc_entry restfirc_entry) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9518.1923
Iteration 1:   log pseudolikelihood = -9508.6412
Iteration 2:   log pseudolikelihood = -9503.1788
Iteration 3:   log pseudolikelihood = -9503.0609
Iteration 4:   log pseudolikelihood = -9503.0597
Iteration 5:   log pseudolikelihood = -9503.0597

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(6)     =      21.99
Log pseudolikelihood = -9503.0597             Prob > chi2      =     0.0012

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   .3264549    .142211    -2.57   0.010     .1390019    .7667002
instfirc_entry |   .4733881   .1592987    -2.22   0.026     .2447832    .9154889
restfirc_entry |   .8713966   .3813205    -0.31   0.753     .3696006    2.054467
-------------+----------------------------------------------------------------
tvc          |
leadfirc_entry |   1.000012   .0001841     0.06   0.948     .9996511    1.000373
instfirc_entry |   1.000198   .0000884     2.24   0.025     1.000025    1.000372
restfirc_entry |    1.00024   .0001196     2.00   0.045     1.000005    1.000474
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.5. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: COEFFICENTS INSTEAD OF HAZARD RATIOS

Data = Regular-Leaderyear-Compete.dta

Model 1

Data = Regfail_Competing_ABDStata.dta

```
stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9509.4677
Iteration 1:   log pseudolikelihood = -9509.1313
Iteration 2:   log pseudolikelihood = -9509.1289
Iteration 3:   log pseudolikelihood = -9509.1289

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(2)     =       9.27
Log pseudolikelihood = -9509.1289             Prob > chi2      =     0.0097

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |  -.7648294   .2567729    -2.98   0.003    -1.268095   -.2615637
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   .0001492   .0000837     1.78   0.075    -.0000149    .0003133
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9518.1781
Iteration 1:   log pseudolikelihood = -9508.6525
Iteration 2:   log pseudolikelihood = -9503.1772
Iteration 3:   log pseudolikelihood = -9503.0629
Iteration 4:   log pseudolikelihood = -9503.0618
Iteration 5:   log pseudolikelihood = -9503.0618

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(5)     =      22.00
Log pseudolikelihood = -9503.0618             Prob > chi2      =     0.0005

                                 (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |  -1.103084   .3598892    -3.07   0.002    -1.808454   -.3977146
instfirc_entry |  -.7476826   .3364341    -2.22   0.026    -1.407081   -.0882839
restfirc_entry |  -.1375012    .437526    -0.31   0.753    -.9950364    .720034
---------------+--------------------------------------------------------------
tvc            |
instfirc_entry |   .0001982   .0000883     2.24   0.025     .0000251    .0003713
restfirc_entry |   .0002397   .0001195     2.00   0.045     5.36e-06    .0004739
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry irreg_entry age0) vce(cluster ccode)
noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9401.0833
Iteration 1:   log pseudolikelihood = -9371.1219
Iteration 2:   log pseudolikelihood = -9360.6614
Iteration 3:   log pseudolikelihood = -9360.4622
Iteration 4:   log pseudolikelihood = -9360.4611
Iteration 5:   log pseudolikelihood = -9360.4611

Competing-risks regression                    No. of obs       =     10,973
                                              No. of subjects  =      2,142
Failure event   : failtype == 1               No. failed       =      1,313
Competing events: failtype == 2 3             No. competing    =        668
                                              No. censored     =        161

                                              Wald chi2(10)    =     109.04
Log pseudolikelihood = -9360.4611             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
               |               Robust
            _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
---------------+--------------------------------------------------------------
main           |
leadfirc_entry |  -1.195723   .3640003    -3.28   0.001    -1.909151   -.4822955
instfirc_entry |  -.9118104    .328789    -2.77   0.006    -1.556225   -.2673958
restfirc_entry |  -.1805232   .4444115    -0.41   0.685    -1.051554    .6905073
   irreg_entry |  -.3801352   .1688399    -2.25   0.024    -.7110553   -.0492151
          age0 |   .0186663    .004103     4.55   0.000     .0106246     .026708
      powtimes |  -.0011468    .057644    -0.02   0.984    -.1141269    .1118333
---------------+--------------------------------------------------------------
tvc            |
instfirc_entry |   .0001718   .0000932     1.84   0.065    -.0000109    .0003545
restfirc_entry |   .0001896   .0001219     1.56   0.120    -.0000493    .0004286
   irreg_entry |  -.0002911   .0001179    -2.47   0.014    -.0005222     -.00006
          age0 |  -3.70e-06   1.58e-06    -2.34   0.019    -6.79e-06   -6.02e-07
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry tmixed tdemparl tdempres trans)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9313.3263
Iteration 1:   log pseudolikelihood = -9294.6275
Iteration 2:   log pseudolikelihood = -9278.8929
Iteration 3:   log pseudolikelihood = -9277.3519
Iteration 4:   log pseudolikelihood = -9277.3456
Iteration 5:   log pseudolikelihood = -9277.3456

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(13)    =     237.27
Log pseudolikelihood = -9277.3456             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |  -.6213969   .3711832    -1.67   0.094    -1.348903    .1061088
instfirc_entry |  -.5052908   .3309429    -1.53   0.127    -1.153927    .1433453
restfirc_entry |   .0057784   .3306856     0.02   0.986    -.6423534    .6539102
        tmixed |   1.375016    .222552     6.18   0.000     .9388219     1.81121
      tdemparl |   2.044891   .2238491     9.14   0.000     1.606155    2.483628
      tdempres |   1.353559   .2154225     6.28   0.000     .9313385    1.775779
         trans |   1.889393   .2651396     7.13   0.000     1.369729    2.409057
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |     .00014   .0001059     1.32   0.186    -.0000675    .0003475
restfirc_entry |   .0003069   .0001088     2.82   0.005     .0000937    .0005201
        tmixed |  -.0001872   .0000891    -2.10   0.036    -.0003618   -.0000126
      tdemparl |  -.0000572   .0000821    -0.70   0.486     -.000218    .0001037
      tdempres |   .0001132   .0000781     1.45   0.147    -.0000398    .0002662
         trans |   -.000573   .0001982    -2.89   0.004    -.0009615   -.0001845
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L dopen2 lnpop,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry lngdpcapL) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -7967.4845
Iteration 1:   log pseudolikelihood = -7959.5537
Iteration 2:   log pseudolikelihood = -7945.8704
Iteration 3:   log pseudolikelihood =   -7945.71
Iteration 4:   log pseudolikelihood = -7945.7098

Competing-risks regression                      No. of obs       =      9,390
                                                No. of subjects  =      1,854
Failure event   : failtype == 1                 No. failed       =      1,153
Competing events: failtype == 2 3               No. competing    =        536
                                                No. censored     =        165

                                                Wald chi2(11)    =     138.06
Log pseudolikelihood = -7945.7098               Prob > chi2      =     0.0000

                                 (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |  -1.490164   .5027359    -2.96   0.003    -2.475508   -.5048199
instfirc_entry |  -.2809042   .4401414    -0.64   0.523    -1.143566    .5817572
restfirc_entry |   .0641479   .5597848     0.11   0.909     -1.03301    1.161306
     lngdpcapL |   .2179231   .0656404     3.32   0.001     .0892702    .3465759
        growth |   .1772064   .6602675     0.27   0.788    -1.116894    1.471307
      tropen2L |  -.2865692   .2386615    -1.20   0.230    -.7543372    .1811988
        dopen2 |  -.1348433   .1584884    -0.85   0.395    -.4454749    .1757882
         lnpop |   .1028171   .0364863     2.82   0.005     .0313054    .1743289
----------------+-------------------------------------------------------------
tvc             |
instfirc_entry |   .0002082   .0001068     1.95   0.051    -9.82e-07    .0004175
restfirc_entry |   .0001571   .0001184     1.33   0.185     -.000075    .0003892
     lngdpcapL |   .0001318   .0000349     3.78   0.000     .0000635    .0002001
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9512.6342
Iteration 1:   log pseudolikelihood =  -9491.513
Iteration 2:   log pseudolikelihood = -9480.5354
Iteration 3:   log pseudolikelihood = -9480.1521
Iteration 4:   log pseudolikelihood = -9480.1507
Iteration 5:   log pseudolikelihood = -9480.1507

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =      1,321
Competing events: failtype == 2 3               No. competing    =        670
                                                No. censored     =        161

                                                Wald chi2(15)    =      49.10
Log pseudolikelihood = -9480.1507               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |   -1.00252   .3638231    -2.76   0.006      -1.7156   -.2894397
instfirc_entry |  -.8103239   .3412107    -2.37   0.018    -1.479085   -.1415633
restfirc_entry |  -.1276541   .4457919    -0.29   0.775     -1.00139     .746082
        civwar |   -.214201   .1240159    -1.73   0.084    -.4572677    .0288657
    initiator2 |   -.861382   .2992873    -2.88   0.004    -1.447974   -.2747898
     defender2 |  -.1921274   .2125956    -0.90   0.366    -.6088071    .2245523
       inherit |   .1931041    .343135     0.56   0.574     -.479428    .8656363
        dwinsh |   .2245538   .2290469     0.98   0.327    -.2243698    .6734775
       dlosesh |   -.358235   .2652955    -1.35   0.177    -.8782046    .1617346
       ddrawsh |   .1580537   .1964479     0.80   0.421    -.2269772    .5430846
       dwinwar |  -.3933144   .3689357    -1.07   0.286    -1.116415    .3297862
      dlosewar |  -.9417592   .4001269    -2.35   0.019    -1.725993   -.1575249
      ddrawwar |  -.2213696   .4936792    -0.45   0.654    -1.188963    .7462238
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   .0001976   .0000878     2.25   0.025     .0000254    .0003698
restfirc_entry |    .000233   .0001201     1.94   0.052    -2.27e-06    .0004683
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7

```
stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans lngdpcapL growth
tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh dwinwar dlosewar
ddrawwar, compete(failtype==2 3) tvc(firc_entry irreg_entry age0 tmixed tdemparl tdempres trans
lngdpcapL) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -7831.2327
Iteration 1:   log pseudolikelihood = -7770.0935
Iteration 2:   log pseudolikelihood = -7739.6653
Iteration 3:   log pseudolikelihood =  -7734.127
Iteration 4:   log pseudolikelihood = -7724.5092
Iteration 5:   log pseudolikelihood = -7724.1035
Iteration 6:   log pseudolikelihood = -7724.1029

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =      1,145
Competing events: failtype == 2 3               No. competing    =        534
                                                No. censored     =        165

                                                Wald chi2(31)    =     404.65
Log pseudolikelihood = -7724.1029               Prob > chi2      =     0.0000

                              (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |  -.4384518   .3226002    -1.36   0.174    -1.070737     .193833
 irreg_entry |   .2422945   .1896122     1.28   0.201    -.1293385    .6139275
        age0 |   .0149669   .0046476     3.22   0.001     .0058578     .024076
    powtimes |  -.0465715   .0711577    -0.65   0.513    -.1860379     .092895
      tmixed |   1.554268   .2407779     6.46   0.000     1.082352    2.026184
    tdemparl |   2.057281   .2503212     8.22   0.000      1.56666    2.547901
    tdempres |   1.314905   .2266181     5.80   0.000      .870742    1.759069
       trans |   1.867042   .2874496     6.50   0.000     1.303651    2.430432
   lngdpcapL |   .0155394   .0697664     0.22   0.824    -.1212002     .152279
      growth |  -.5261481   .6840727    -0.77   0.442    -1.866906    .8146097
    tropen2L |  -.2223448   .2122807    -1.05   0.295    -.6384074    .1937178
      dopen2 |  -.0076213   .1424294    -0.05   0.957    -.2867779    .2715352
       lnpop |    .108522   .0363204     2.99   0.003     .0373353    .1797088
      civwar |  -.2361048   .1051312    -2.25   0.025    -.4421581   -.0300515
  initiator2 |  -.7327995   .3369584    -2.17   0.030    -1.393226   -.0723733
   defender2 |  -.3256175   .2134899    -1.53   0.127      -.74405     .092815
     inherit |   .1406816   .3869857     0.36   0.716    -.6177965    .8991597
      dwinsh |  -.2496805   .2591755    -0.96   0.335    -.7576552    .2582942
     dlosesh |  -.1385804   .2511538    -0.55   0.581    -.6308329    .3536721
     ddrawsh |   .0810152   .2093566     0.39   0.699    -.3293163    .4913466
     dwinwar |  -.5394353   .3853111    -1.40   0.162    -1.294631    .2157607
    dlosewar |   -.408755   .4500169    -0.91   0.364    -1.290772    .4732618
    ddrawwar |   .1143144   .4863716     0.24   0.814    -.8389564    1.067585
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |     .00015   .0000914     1.64   0.101    -.0000292    .0003292
 irreg_entry |  -.0002977   .0001405    -2.12   0.034    -.0005731   -.0000223
        age0 |  -6.77e-06   2.30e-06    -2.94   0.003    -.0000113   -2.25e-06
      tmixed |  -.0002183   .0000937    -2.33   0.020     -.000402   -.0000346
    tdemparl |  -.0002129   .0000892    -2.39   0.017    -.0003878    -.000038
    tdempres |    .000052   .0000831     0.63   0.531    -.0001109     .000215
       trans |  -.0003736   .0001854    -2.02   0.044    -.0007369   -.0000103
   lngdpcapL |   .0001201   .0000354     3.39   0.001     .0000507    .0001896
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes tmixed tdemparl
tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry irreg_entry age0 tmixed tdemparl tdempres trans lngdpcapL) vce(cluster ccode)
noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -7826.0656
Iteration 1:   log pseudolikelihood = -7815.7978
Iteration 2:   log pseudolikelihood = -7761.8093
Iteration 3:   log pseudolikelihood = -7754.6547
Iteration 4:   log pseudolikelihood = -7722.9979
Iteration 5:   log pseudolikelihood =  -7718.902
Iteration 6:   log pseudolikelihood = -7718.7046
Iteration 7:   log pseudolikelihood = -7718.7033
Iteration 8:   log pseudolikelihood = -7718.7033

Competing-risks regression                      No. of obs       =      9,374
                                                No. of subjects  =      1,844
Failure event   : failtype == 1                 No. failed       =      1,145
Competing events: failtype == 2 3               No. competing    =        534
                                                No. censored     =        165

                                                Wald chi2(34)    =     447.10
Log pseudolikelihood = -7718.7033               Prob > chi2      =     0.0000

                                 (Std. Err. adjusted for 156 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |  -1.157867   .5591959    -2.07   0.038     -2.25387   -.0618627
instfirc_entry |  -.4741658   .4636367    -1.02   0.306    -1.382877    .4345453
restfirc_entry |    .430725   .3986847     1.08   0.280    -.3506827    1.212133
   irreg_entry |   .2474818   .1887934     1.31   0.190    -.1225465    .6175101
          age0 |    .014919   .0046314     3.22   0.001     .0058416    .0239964
      powtimes |  -.0547893   .0716754    -0.76   0.445    -.1952704    .0856918
        tmixed |   1.546406    .246023     6.29   0.000      1.06421    2.028602
      tdemparl |    2.04608   .2532657     8.08   0.000     1.549688    2.542472
      tdempres |   1.306996   .2295434     5.69   0.000     .8570988    1.756893
         trans |   1.842261   .2876858     6.40   0.000     1.278407    2.406114
     lngdpcapL |   .0193368   .0701256     0.28   0.783    -.1181069    .1567805
        growth |   -.542869   .6764797    -0.80   0.422    -1.868745     .783007
      tropen2L |  -.2254272    .214153    -1.05   0.293    -.6451594    .1943051
        dopen2 |  -.0126116   .1431553    -0.09   0.930    -.2931909    .2679677
         lnpop |   .1088734    .036504     2.98   0.003     .0373269    .1804199
        civwar |  -.2334901   .1048516    -2.23   0.026    -.4389954   -.0279848
    initiator2 |  -.7353456   .3382781    -2.17   0.030    -1.398358   -.0723327
     defender2 |  -.2950237   .2113566    -1.40   0.163     -.709275    .1192276
       inherit |   .2166601   .3810355     0.57   0.570    -.5301558     .963476
        dwinsh |  -.2682537   .2556784    -1.05   0.294    -.7693741    .2328668
       dlosesh |  -.1139044   .2453028    -0.46   0.642    -.5946891    .3668804
       ddrawsh |   .0600772   .2094597     0.29   0.774    -.3504562    .4706106
       dwinwar |  -.5534726    .383899    -1.44   0.149    -1.305901    .1989555
      dlosewar |  -.3435461   .4521721    -0.76   0.447    -1.229787    .5426948
      ddrawwar |   .0899085   .4901202     0.18   0.854    -.8707095    1.050526
----------------+-------------------------------------------------------------
tvc             |
instfirc_entry |    .000251    .000119     2.11   0.035     .0000177    .0004843
restfirc_entry |   .0001129   .0001045     1.08   0.280     -.000092    .0003177
   irreg_entry |  -.0003068   .0001418    -2.16   0.031    -.0005848   -.0000289
          age0 |  -6.95e-06   2.36e-06    -2.95   0.003    -.0000116   -2.33e-06
        tmixed |  -.0002031   .0000998    -2.03   0.042    -.0003987   -7.47e-06
      tdemparl |  -.0002042   .0000906    -2.25   0.024    -.0003818   -.0000267
      tdempres |   .0000594   .0000848     0.70   0.483    -.0001068    .0002257
         trans |  -.0003428   .0001888    -1.82   0.069    -.0007127    .0000272
```

```
     lngdpcapL |   .0001179   .0000356     3.31   0.001     .0000481    .0001878
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

TABLE 4.5. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1919-2004, LEADER-YEAR DATA: IMPUTED DATA

Data = Regular-Leaderyear-Compete.dta and Regular-Leaderyear-Compete-Imputed.dta

Model 1 (Not imputed)

Data = Regular-Leaderyear-Compete.dta

```
stcrreg firc_entry, compete(failtype==2 3) tvc(firc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9509.4677
Iteration 1:   log pseudolikelihood = -9509.1313
Iteration 2:   log pseudolikelihood = -9509.1289
Iteration 3:   log pseudolikelihood = -9509.1289

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(2)     =       9.27
Log pseudolikelihood = -9509.1289             Prob > chi2      =     0.0097

                              (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |  -.7648294   .2567729    -2.98   0.003    -1.268095   -.2615637
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   .0001492   .0000837     1.78   0.075    -.0000149    .0003133
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 2 (Not Imputed)

```
Data = Regular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9518.1781
Iteration 1:   log pseudolikelihood = -9508.6525
Iteration 2:   log pseudolikelihood = -9503.1772
Iteration 3:   log pseudolikelihood = -9503.0629
Iteration 4:   log pseudolikelihood = -9503.0618
Iteration 5:   log pseudolikelihood = -9503.0618

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(5)     =      22.00
Log pseudolikelihood = -9503.0618             Prob > chi2      =     0.0005

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |  -1.103084   .3598892    -3.07   0.002    -1.808454   -.3977146
instfirc_entry |  -.7476826   .3364341    -2.22   0.026    -1.407081   -.0882839
restfirc_entry |  -.1375012    .437526    -0.31   0.753    -.9950364     .720034
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |   .0001982   .0000883     2.24   0.025     .0000251    .0003713
restfirc_entry |   .0002397   .0001195     2.00   0.045     5.36e-06    .0004739
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 3 (Imputed)

```
Data = Regular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry irreg_entry age0) vce(cluster ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0004
                                                Largest FMI       =     0.0031
DF adjustment:   Large sample                   DF:     min       = 420,763.73
                                                        avg       =   2.00e+11
                                                        max       =   1.08e+12
Model F test:       Equal FMI                   F(  10, 2.0e+08)  =      10.60
Within VCE type:       Robust                   Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |  -1.198554   .3639939    -3.29   0.001    -1.911969   -.4851386
instfirc_entry |   -.912349   .3288322    -2.77   0.006    -1.556848   -.2678498
restfirc_entry |  -.1823725   .4434379    -0.41   0.681    -1.051495    .6867499
   irreg_entry |  -.3370652   .1671796    -2.02   0.044    -.6647313   -.0093991
          age0 |   .0185003   .0040797     4.53   0.000     .0105042    .0264965
      powtimes |  -.0029469   .0575857    -0.05   0.959    -.1158128    .1099191
----------------+-------------------------------------------------------------
tvc             |
instfirc_entry |   .0001714   .0000931     1.84   0.066    -.0000112    .0003539
restfirc_entry |   .0001896   .0001217     1.56   0.119    -.0000489    .0004281
   irreg_entry |   -.000314   .0001211    -2.59   0.010    -.0005514   -.0000766
          age0 |  -3.67e-06   1.57e-06    -2.34   0.020    -6.76e-06   -5.91e-07
------------------------------------------------------------------------------
```

Model 4 (Not Imputed)

```
Data = Regular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry tmixed tdemparl tdempres trans,
compete(failtype==2 3) tvc(instfirc_entry restfirc_entry tmixed tdemparl tdempres trans)
vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9313.3263
Iteration 1:   log pseudolikelihood = -9294.6275
Iteration 2:   log pseudolikelihood = -9278.8929
Iteration 3:   log pseudolikelihood = -9277.3519
Iteration 4:   log pseudolikelihood = -9277.3456
Iteration 5:   log pseudolikelihood = -9277.3456

Competing-risks regression                    No. of obs       =     10,989
                                              No. of subjects  =      2,152
Failure event   : failtype == 1               No. failed       =      1,321
Competing events: failtype == 2 3             No. competing    =        670
                                              No. censored     =        161

                                              Wald chi2(13)    =     237.27
Log pseudolikelihood = -9277.3456             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
leadfirc_entry |  -.6213969   .3711832    -1.67   0.094    -1.348903    .1061088
instfirc_entry |  -.5052908   .3309429    -1.53   0.127    -1.153927    .1433453
restfirc_entry |   .0057784   .3306856     0.02   0.986    -.6423534    .6539102
       tmixed |   1.375016    .222552     6.18   0.000     .9388219     1.81121
     tdemparl |   2.044891   .2238491     9.14   0.000     1.606155    2.483628
     tdempres |   1.353559   .2154225     6.28   0.000     .9313385    1.775779
        trans |   1.889393   .2651396     7.13   0.000     1.369729    2.409057
-------------+----------------------------------------------------------------
tvc          |
instfirc_entry |     .00014   .0001059     1.32   0.186    -.0000675    .0003475
restfirc_entry |   .0003069   .0001088     2.82   0.005     .0000937    .0005201
       tmixed |  -.0001872   .0000891    -2.10   0.036    -.0003618   -.0000126
     tdemparl |  -.0000572   .0000821    -0.70   0.486     -.000218    .0001037
     tdempres |   .0001132   .0000781     1.45   0.147    -.0000398    .0002662
        trans |   -.000573   .0001982    -2.89   0.004    -.0009615   -.0001845
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 5 (Imputed)

```
Data = Regular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry lngdpcapL growth tropen2L
dopen2 lnpop, compete(failtype==2 3) tvc(instfirc_entry restfirc_entry lngdpcapL) vce(cluster
ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.1096
                                                Largest FMI       =     0.3562
DF adjustment:   Large sample                   DF:     min       =      38.24
                                                        avg       = 4516429.90
                                                        max       =   4.43e+07
Model F test:       Equal FMI                   F(  11, 3774.8)   =       9.99
Within VCE type:        Robust                  Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
           _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
main          |
leadfirc_entry |  -.9503521   .3656009    -2.60   0.009    -1.666922   -.2337825
instfirc_entry |  -.6690509    .359742    -1.86   0.063    -1.374132    .0360307
restfirc_entry |  -.0204015   .4699061    -0.04   0.965    -.9414005    .9005975
     lngdpcapL |   .2254826   .0615056     3.67   0.000     .1048006    .3461646
        growth |   .3978831   .5234511     0.76   0.447    -.6287561    1.424522
      tropen2L |  -.2295753   .1955256    -1.17   0.242    -.6159515    .1568009
        dopen2 |  -.0931619   .1495188    -0.62   0.534    -.3869967    .2006728
         lnpop |   .0742854   .0352414     2.11   0.035     .0052095    .1433612
--------------+---------------------------------------------------------------
tvc           |
instfirc_entry |   .0001396   .0001242     1.12   0.268    -.0001119     .000391
restfirc_entry |   .0001746   .0001174     1.49   0.137    -.0000555    .0004047
     lngdpcapL |   .0001234   .0000337     3.66   0.000     .0000571    .0001898
------------------------------------------------------------------------------
```

Model 6 (Not Imputed)

```
Data = Regular-Leaderyear-Compete.dta

stcrreg leadfirc_entry instfirc_entry restfirc_entry civwar initiator2 defender2 inherit dwinsh
dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(instfirc_entry
restfirc_entry) vce(cluster ccode) noshr

         failure _d:  failtype == 1
   analysis time _t:  (endobs-origin)
             origin:  time startobs
                 id:  leadid

Iteration 0:   log pseudolikelihood = -9512.6342
Iteration 1:   log pseudolikelihood =  -9491.513
Iteration 2:   log pseudolikelihood = -9480.5354
Iteration 3:   log pseudolikelihood = -9480.1521
Iteration 4:   log pseudolikelihood = -9480.1507
Iteration 5:   log pseudolikelihood = -9480.1507

Competing-risks regression                      No. of obs       =     10,989
                                                No. of subjects  =      2,152
Failure event   : failtype == 1                 No. failed       =      1,321
Competing events: failtype == 2 3               No. competing    =        670
                                                No. censored     =        161

                                                Wald chi2(15)    =      49.10
Log pseudolikelihood = -9480.1507               Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
             _t |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
main            |
leadfirc_entry |   -1.00252   .3638231    -2.76   0.006      -1.7156   -.2894397
instfirc_entry |  -.8103239   .3412107    -2.37   0.018    -1.479085   -.1415633
restfirc_entry |  -.1276541   .4457919    -0.29   0.775     -1.00139     .746082
        civwar |   -.214201   .1240159    -1.73   0.084    -.4572677    .0288657
    initiator2 |   -.861382   .2992873    -2.88   0.004    -1.447974   -.2747898
     defender2 |  -.1921274   .2125956    -0.90   0.366    -.6088071    .2245523
       inherit |   .1931041    .343135     0.56   0.574     -.479428    .8656363
        dwinsh |   .2245538   .2290469     0.98   0.327    -.2243698    .6734775
       dlosesh |   -.358235   .2652955    -1.35   0.177    -.8782046    .1617346
       ddrawsh |   .1580537   .1964479     0.80   0.421    -.2269772    .5430846
       dwinwar |  -.3933144   .3689357    -1.07   0.286    -1.116415    .3297862
      dlosewar |  -.9417592   .4001269    -2.35   0.019    -1.725993   -.1575249
      ddrawwar |  -.2213696   .4936792    -0.45   0.654    -1.188963    .7462238
----------------+-------------------------------------------------------------
tvc             |
instfirc_entry |   .0001976   .0000878     2.25   0.025     .0000254    .0003698
restfirc_entry |    .000233   .0001201     1.94   0.052    -2.27e-06    .0004683
------------------------------------------------------------------------------
Note: Variables in tvc equation interacted with _t.
```

Model 7 (Imputed)

```
Data = Regular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg firc_entry irreg_entry age0 powtimes tmixed tdemparl tdempres trans
lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2 inherit dwinsh dlosesh ddrawsh
dwinwar dlosewar ddrawwar, compete(failtype==2 3) tvc(firc_entry irreg_entry age0 tmixed tdemparl
tdempres trans lngdpcapL) vce (cluster ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0443
                                                Largest FMI       =     0.2106
DF adjustment:   Large sample                   DF:     min       =     104.53
                                                        avg       = 3790594.80
                                                        max       =   7.42e+07
Model F test:       Equal FMI                   F(  31,64690.9)   =      14.73
Within VCE type:        Robust                  Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
          _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
main         |
  firc_entry |  -.3857255   .2558568    -1.51   0.132    -.8871981    .1157471
 irreg_entry |   .0785865   .1725926     0.46   0.649    -.2596902    .4168631
        age0 |   .0141693   .0042832     3.31   0.001     .0057743    .0225643
    powtimes |  -.0241015   .0611601    -0.39   0.694    -.1439733    .0957702
      tmixed |   1.275209   .2104171     6.06   0.000     .8627963    1.687622
    tdemparl |   1.874971   .2309807     8.12   0.000     1.422253    2.327688
    tdempres |   1.212311   .2204662     5.50   0.000     .7801985    1.644423
       trans |     1.8515   .2673145     6.93   0.000     1.327572    2.375428
   lngdpcapL |   .0109673     .06415     0.17   0.864    -.1149486    .1368831
      growth |   -.414855   .4903637    -0.85   0.398     -1.37614    .5464297
    tropen2L |  -.1884853   .1741037    -1.08   0.281    -.5337187    .1567481
      dopen2 |   -.017394   .1345223    -0.13   0.897    -.2816552    .2468672
       lnpop |   .0723024   .0344197     2.10   0.036     .0048175    .1397874
      civwar |  -.1936256   .1007862    -1.92   0.055    -.3911634    .0039123
  initiator2 |  -.6897639   .2925317    -2.36   0.018    -1.263116   -.1164122
   defender2 |  -.3452821   .2026919    -1.70   0.088     -.742551    .0519868
     inherit |   .0675541   .3285769     0.21   0.837    -.5764477     .711556
      dwinsh |  -.0863291   .2474827    -0.35   0.727    -.5713887    .3987305
     dlosesh |  -.3156859   .2610387    -1.21   0.227    -.8273411    .1959694
     ddrawsh |   .1017724   .1870218     0.54   0.586    -.2647841     .468329
     dwinwar |   -.984102   .3907553    -2.52   0.012    -1.749972   -.2182322
    dlosewar |  -.7921398   .3947782    -2.01   0.045    -1.565894   -.0183856
    ddrawwar |   .0778413   .4308966     0.18   0.857    -.7667111    .9223937
-------------+----------------------------------------------------------------
tvc          |
  firc_entry |   .0001075     .00009     1.19   0.232    -.0000689     .000284
 irreg_entry |  -.0002498   .0001162    -2.15   0.032    -.0004775   -.0000221
        age0 |  -6.84e-06   2.08e-06    -3.28   0.001    -.0000109   -2.76e-06
      tmixed |  -.0001603   .0000825    -1.94   0.052     -.000322    1.40e-06
    tdemparl |  -.0001523   .0000814    -1.87   0.061    -.0003118    7.14e-06
    tdempres |    .000056   .0000786     0.71   0.476    -.0000981    .0002102
       trans |  -.0004703   .0001915    -2.46   0.014    -.0008456    -.000095
   lngdpcapL |   .0001142   .0000348     3.29   0.001     .0000456    .0001829
------------------------------------------------------------------------------
```

Model 8 (Imputed)

```
Data = Regular-Leaderyear-Compete-Imputed.dta

mi estimate: stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entry age0 powtimes
tmixed tdemparl tdempres trans lngdpcapL growth tropen2L dopen2 lnpop civwar initiator2 defender2
inherit dwinsh dlosesh ddrawsh dwinwar dlosewar ddrawwar, compete(failtype==2 3)
tvc(instfirc_entry restfirc_entry irreg_entry age0 tmixed tdemparl tdempres trans lngdpcapL)
vce(cluster ccode)

Multiple-imputation estimates                   Imputations       =          5
Competing-risks regression                      Number of obs     =     10,989
                                                Average RVI       =     0.0496
                                                Largest FMI       =     0.2012
DF adjustment:   Large sample                   DF:     min       =     114.02
                                                        avg       = 1817866.06
                                                        max       =   3.21e+07
Model F test:       Equal FMI                   F(  34,57438.6)   =      13.66
Within VCE type:       Robust                   Prob > F          =     0.0000

                                (Within VCE adjusted for 164 clusters in ccode)
------------------------------------------------------------------------------
           _t |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
--------------+---------------------------------------------------------------
main          |
leadfirc_entry |  -.5691019    .385213    -1.48   0.140    -1.324106    .1859021
instfirc_entry |  -.6680874   .3618673    -1.85   0.065    -1.377348    .0411729
restfirc_entry |    .14659   .3428792     0.43   0.669    -.5254414    .8186214
   irreg_entry |   .0775275   .1717956     0.45   0.652     -.259187     .414242
          age0 |   .0142578   .0043341     3.29   0.001      .005763    .0227526
      powtimes |  -.0321512   .0617604    -0.52   0.603    -.1531996    .0888971
        tmixed |   1.255958   .2133483     5.89   0.000     .8377996    1.674117
      tdemparl |   1.854624   .2303357     8.05   0.000      1.40317    2.306078
      tdempres |   1.194477   .2211109     5.40   0.000     .7611006    1.627853
         trans |   1.831753   .2674505     6.85   0.000     1.307558    2.355949
     lngdpcapL |   .0137867    .064425     0.21   0.831    -.1126812    .1402547
        growth |  -.4312271   .4878726    -0.88   0.377    -1.387649    .5251948
      tropen2L |  -.1929352   .1748871    -1.10   0.272    -.5393848    .1535143
        dopen2 |  -.0209531   .1347167    -0.16   0.876    -.2856051     .243699
         lnpop |    .072718   .0344674     2.11   0.035     .0051413    .1402946
        civwar |  -.1925134   .0995912    -1.93   0.053     -.387709    .0026822
    initiator2 |  -.6899887   .2923579    -2.36   0.018       -1.263   -.1169776
     defender2 |  -.3341422   .2020921    -1.65   0.098    -.7302354     .061951
       inherit |   .1032958    .327491     0.32   0.752    -.5385764    .7451679
        dwinsh |  -.0897795   .2482712    -0.36   0.718    -.5763841    .3968252
      dlosesh |  -.3135458   .2526547    -1.24   0.215    -.8087581    .1816665
      ddrawsh |     .09585   .1864012     0.51   0.607    -.2694902    .4611903
      dwinwar |   -.986493   .3889677    -2.54   0.011    -1.748859    -.224127
     dlosewar |  -.7913656   .3935924    -2.01   0.044    -1.562797   -.0199344
     ddrawwar |   .0629295   .4329737     0.15   0.884    -.7856934    .9115525
--------------+---------------------------------------------------------------
tvc           |
instfirc_entry |   .0001557   .0001271     1.23   0.223    -.0000957    .0004071
restfirc_entry |   .0001676   .0001029     1.63   0.104    -.0000342    .0003694
   irreg_entry |  -.0002507   .0001171    -2.14   0.032    -.0004802   -.0000211
          age0 |  -6.79e-06   2.14e-06    -3.17   0.002     -.000011   -2.59e-06
        tmixed |  -.0001435   .0000879    -1.63   0.102    -.0003158    .0000287
      tdemparl |  -.0001377   .0000833    -1.65   0.098    -.0003011    .0000256
      tdempres |   .0000694   .0000804     0.86   0.388    -.0000882    .0002271
         trans |  -.0004517   .0001936    -2.33   0.020    -.0008312   -.0000723
     lngdpcapL |    .000112   .0000349     3.21   0.002      .000043     .000181
------------------------------------------------------------------------------
```

CODE FOR TABLE 4.6. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1875-2004, LEADER-SPELL DATA

```
Data = Regular-Leaderspell-Compete.dta

stcrreg foreign_entryabd, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) vce(cluster ccode)

stcrreg foreign_entryabd irreg_entryabd lnpec4_fill lntpop4_banks mountainous newstate losewar
cw1000ongoing2014 gdbuffer leaderage prevtimesinoffice pol_democ pol_mixed, compete(failtype==2
3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed elfroeder oil_colgan if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed ldiscrimpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed lexclpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed oil_ross, compete(failtype==2 3) vce(cluster ccode)
```

TABLE 4.6. COMPETING RISKS ANALYSIS OF REGULAR REMOVAL FROM OFFICE, 1875-2004, LEADER-SPELL DATA: COMPLETE RESULTS

Data = Regular-Leaderspell-Compete.dta

Model 1

```
stcrreg foreign_entryabd, compete(failtype==2 3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -15322.716
Iteration 1:   log pseudolikelihood = -15321.405
Iteration 2:   log pseudolikelihood = -15321.405

Competing-risks regression                      No. of obs       =      3,057
                                                No. of subjects  =      3,057
Failure event   : failtype == 1                 No. failed       =      2,037
Competing events: failtype == 2 3               No. competing    =        849
                                                No. censored     =        171

                                                Wald chi2(1)     =      17.42
Log pseudolikelihood = -15321.405               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 186 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
foreign_entryabd |   .4790177   .0844798    -4.17   0.000     .3390262    .6768149
------------------------------------------------------------------------------
```

Model 2

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry, compete(failtype==2 3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -15317.141
Iteration 1:   log pseudolikelihood = -15314.138
Iteration 2:   log pseudolikelihood =  -15314.05
Iteration 3:   log pseudolikelihood =  -15314.05

Competing-risks regression                    No. of obs       =      3,057
                                              No. of subjects  =      3,057
Failure event   : failtype == 1               No. failed       =      2,037
Competing events: failtype == 2 3             No. competing    =        849
                                              No. censored     =        171

                                              Wald chi2(3)     =      24.54
Log pseudolikelihood =  -15314.05             Prob > chi2      =     0.0000

                                (Std. Err. adjusted for 186 clusters in ccode)
------------------------------------------------------------------------------
             |               Robust
          _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
leadfirc_entry |   .2825186   .0722657    -4.94   0.000     .1711266    .4664195
instfirc_entry |   .8449038   .2681595    -0.53   0.595     .4535748    1.573858
restfirc_entry |   .9504123   .2888479    -0.17   0.867     .5238611    1.724281
------------------------------------------------------------------------------
```

Model 3

```
stcrreg foreign_entryabd irreg_entryabd lnpec4_fill lntpop4_banks mountainous newstate losewar
cw1000ongoing2014 gdbuffer leaderage prevtimesinoffice pol_democ pol_mixed, compete(failtype==2
3) vce(cluster ccode)

         failure _d:  failtype == 1
   analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -14216.074
Iteration 1:   log pseudolikelihood = -14172.618
Iteration 2:   log pseudolikelihood = -14172.288
Iteration 3:   log pseudolikelihood = -14172.288

Competing-risks regression                    No. of obs       =      2,876
                                              No. of subjects  =      2,876
Failure event   : failtype == 1               No. failed       =      1,944
Competing events: failtype == 2 3             No. competing    =        770
                                              No. censored     =        162

                                              Wald chi2(13)    =     277.55
Log pseudolikelihood = -14172.288             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 172 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
 foreign_entryabd |   .5797719   .1078642    -2.93   0.003     .4026194    .8348717
   irreg_entryabd |   .6806864   .0690331    -3.79   0.000      .557983    .8303731
      lnpec4_fill |    1.03286   .0148986     2.24   0.025     1.004068    1.062477
    lntpop4_banks |   .9990308   .0487463    -0.02   0.984     .9079161    1.099289
      mountainous |   1.545728    .402676     1.67   0.095     .9276574    2.575602
         newstate |    .573501   .0743173    -4.29   0.000     .4448677    .7393285
          losewar |   1.064534   .1789803     0.37   0.710     .7656789    1.480036
cw1000ongoing2014 |   .8962267   .0941299    -1.04   0.297     .7294859     1.10108
         gdbuffer |   1.325511   .1098334     3.40   0.001     1.126813    1.559247
        leaderage |   1.010055   .0028886     3.50   0.000     1.004409    1.015732
prevtimesinoffice |   1.012498    .038678     0.33   0.745     .9394591    1.091216
        pol_democ |   3.114766   .4280203     8.27   0.000     2.379339    4.077505
        pol_mixed |   2.041439   .2728866     5.34   0.000     1.570917    2.652892
------------------------------------------------------------------------------
```

Model 4

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -14212.188
Iteration 1:   log pseudolikelihood = -14166.982
Iteration 2:   log pseudolikelihood = -14166.467
Iteration 3:   log pseudolikelihood = -14166.466

Competing-risks regression                    No. of obs       =      2,876
                                              No. of subjects  =      2,876
Failure event   : failtype == 1               No. failed       =      1,944
Competing events: failtype == 2 3             No. competing    =        770
                                              No. censored     =        162

                                              Wald chi2(15)    =     280.42
Log pseudolikelihood = -14166.466             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 172 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   .3108375    .087783    -4.14   0.000     .1787093    .5406541
   instfirc_entry |   1.004208   .3756205     0.01   0.991     .4824303    2.090319
   restfirc_entry |   .9966844   .3393038    -0.01   0.992     .5114238    1.942381
   irreg_entryabd |   .6755908   .0684858    -3.87   0.000     .5538549    .8240839
      lnpec4_fill |   1.032183    .014896     2.19   0.028     1.003396    1.061795
    lntpop4_banks |   1.000544   .0487223     0.01   0.991     .9094654    1.100743
      mountainous |   1.571487   .4102027     1.73   0.083     .9421564     2.62119
         newstate |    .578346   .0739872    -4.28   0.000     .4500848    .7431578
          losewar |   1.085863   .1807663     0.49   0.621     .7835617    1.504792
         gdbuffer |   1.320991   .1094472     3.36   0.001      1.12299    1.553903
cw1000ongoing2014 |   .9074198   .0942463    -0.94   0.350     .7402883    1.112284
        leaderage |   1.009614   .0028584     3.38   0.001     1.004027    1.015232
prevtimesinoffice |   1.010322   .0389071     0.27   0.790     .9368718     1.08953
        pol_democ |   3.132274    .432312     8.27   0.000     2.389891    4.105267
        pol_mixed |   2.059904   .2740169     5.43   0.000     1.587145    2.673482
------------------------------------------------------------------------------
```

Model 5

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed elfroeder oil_colgan if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -7028.6432
Iteration 1:   log pseudolikelihood = -6992.6238
Iteration 2:   log pseudolikelihood = -6991.5859
Iteration 3:   log pseudolikelihood = -6991.5809
Iteration 4:   log pseudolikelihood = -6991.5809

Competing-risks regression                    No. of obs       =      1,619
                                              No. of subjects  =      1,619
Failure event   : failtype == 1               No. failed       =      1,048
Competing events: failtype == 2 3             No. competing    =        413
                                              No. censored     =        158

                                              Wald chi2(17)    =     305.90
Log pseudolikelihood = -6991.5809             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 167 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   .3490262   .1346691    -2.73   0.006     .1638432    .7435113
   instfirc_entry |   1.629567   1.089147     0.73   0.465     .4397016    6.039294
   restfirc_entry |   .9785639   .3567505    -0.06   0.953     .4789284    1.999437
   irreg_entryabd |   .8231279   .1111523    -1.44   0.149     .6317192    1.072533
      lnpec4_fill |   1.064537    .020049     3.32   0.001     1.025958    1.104566
    lntpop4_banks |   .9814858   .0337379    -0.54   0.587     .9175389    1.049889
      mountainous |   2.116751   .6062547     2.62   0.009     1.207477    3.710742
         newstate |   .5412176   .0840274    -3.95   0.000     .3992248    .7337132
          losewar |   1.227928   .5928718     0.43   0.671     .4766434    3.163389
         gdbuffer |   1.055259   .1364203     0.42   0.677     .8190657    1.359564
cw1000ongoing2014 |   .8786991    .101573    -1.12   0.263     .7005607    1.102135
        leaderage |    1.00752   .0036133     2.09   0.037     1.000463    1.014627
prevtimesinoffice |   .9470942   .0576522    -0.89   0.372     .8405784    1.067107
        pol_democ |    3.06828   .4321235     7.96   0.000     2.328174    4.043659
        pol_mixed |      1.976   .2865161     4.70   0.000     1.487183    2.625484
        elfroeder |   .9353229   .1768457    -0.35   0.724     .6456855    1.354884
       oil_colgan |   .6925415   .0918435    -2.77   0.006     .5340244    .8981119
------------------------------------------------------------------------------
```

Model 6

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed ldiscrimpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -6699.8597
Iteration 1:   log pseudolikelihood = -6668.0799
Iteration 2:   log pseudolikelihood = -6667.3106
Iteration 3:   log pseudolikelihood = -6667.3073
Iteration 4:   log pseudolikelihood = -6667.3073

Competing-risks regression                    No. of obs       =      1,551
                                              No. of subjects  =      1,551
Failure event   : failtype == 1               No. failed       =      1,005
Competing events: failtype == 2 3             No. competing    =        397
                                              No. censored     =        149

                                              Wald chi2(16)    =     269.34
Log pseudolikelihood = -6667.3073             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 158 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   .3951451   .1645496    -2.23   0.026     .1746997    .8937603
   instfirc_entry |   2.830688   2.221878     1.33   0.185      .607803    13.18321
   restfirc_entry |   .7735403    .297612    -0.67   0.505     .3639079    1.644275
   irreg_entryabd |   .8417376   .1163791    -1.25   0.213     .6419321    1.103734
      lnpec4_fill |   1.051428   .0187745     2.81   0.005     1.015267    1.088877
    lntpop4_banks |    .993316   .0364107    -0.18   0.855     .9244555    1.067306
      mountainous |    2.23757   .6568511     2.74   0.006      1.25864    3.977879
         newstate |   .5365484   .0901458    -3.71   0.000     .3860095    .7457956
          losewar |   1.186259   .5121556     0.40   0.692     .5089579    2.764887
         gdbuffer |   1.145397   .1362986     1.14   0.254     .9071217    1.446259
cw1000ongoing2014 |   .8700355   .1006087    -1.20   0.229     .6935954    1.091359
        leaderage |   1.009169   .0037103     2.48   0.013     1.001923    1.016467
prevtimesinoffice |   .9218645   .0570568    -1.31   0.189      .816552    1.040759
        pol_democ |   3.265873   .4631908     8.34   0.000     2.473292     4.31244
        pol_mixed |   2.056133     .30851     4.80   0.000     1.532264    2.759108
      ldiscrimpop |   .9969415   .2493451    -0.01   0.990     .6106265     1.62766
------------------------------------------------------------------------------
```

Model 7

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed lexclpop if year>1945, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood =  -6699.172
Iteration 1:   log pseudolikelihood = -6667.0083
Iteration 2:   log pseudolikelihood = -6666.1888
Iteration 3:   log pseudolikelihood = -6666.1853
Iteration 4:   log pseudolikelihood = -6666.1853

Competing-risks regression                      No. of obs       =      1,551
                                                No. of subjects  =      1,551
Failure event   : failtype == 1                 No. failed       =      1,005
Competing events: failtype == 2 3               No. competing    =        397
                                                No. censored     =        149

                                                Wald chi2(16)    =     272.48
Log pseudolikelihood = -6666.1853               Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 158 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |   .3933448   .1650483    -2.22   0.026     .1728254    .8952399
   instfirc_entry |   2.859369   2.296835     1.31   0.191     .5922819    13.80422
   restfirc_entry |   .7558508   .2915583    -0.73   0.468     .3548931     1.60981
   irreg_entryabd |   .8388237    .116632    -1.26   0.206     .6387305    1.101599
      lnpec4_fill |   1.050054   .0191451     2.68   0.007     1.013192    1.088256
    lntpop4_banks |    .995279   .0363017    -0.13   0.897     .9266126    1.069034
      mountainous |   2.218725   .6521883     2.71   0.007     1.247082    3.947407
         newstate |   .5369135   .0894811    -3.73   0.000     .3872974    .7443277
          losewar |   1.208051   .5317779     0.43   0.668     .5097895    2.862727
         gdbuffer |   1.122393   .1362359     0.95   0.341     .8847614    1.423848
cw1000ongoing2014 |   .8871881   .1013916    -1.05   0.295      .709148    1.109927
        leaderage |   1.009043   .0036433     2.49   0.013     1.001927    1.016209
prevtimesinoffice |   .9233571   .0569947    -1.29   0.196     .8181423    1.042103
        pol_democ |   3.170496   .4373089     8.37   0.000      2.41947    4.154646
        pol_mixed |   2.038132   .2992977     4.85   0.000      1.52839    2.717881
         lexclpop |   .7842929   .1624233    -1.17   0.241      .522635     1.17695
------------------------------------------------------------------------------
```

Model 8

```
stcrreg leadfirc_entry instfirc_entry restfirc_entry irreg_entryabd lnpec4_fill lntpop4_banks
mountainous newstate losewar gdbuffer cw1000ongoing2014 leaderage prevtimesinoffice pol_democ
pol_mixed oil_ross, compete(failtype==2 3) vce(cluster ccode)

        failure _d:  failtype == 1
  analysis time _t:  tenure

Iteration 0:   log pseudolikelihood = -5204.1309
Iteration 1:   log pseudolikelihood = -5182.2963
Iteration 2:   log pseudolikelihood = -5181.8795
Iteration 3:   log pseudolikelihood = -5181.8784
Iteration 4:   log pseudolikelihood = -5181.8784

Competing-risks regression                    No. of obs       =      1,261
                                              No. of subjects  =      1,261
Failure event   : failtype == 1               No. failed       =        811
Competing events: failtype == 2 3             No. competing    =        296
                                              No. censored     =        154

                                              Wald chi2(16)    =     213.41
Log pseudolikelihood = -5181.8784             Prob > chi2      =     0.0000

                                  (Std. Err. adjusted for 160 clusters in ccode)
------------------------------------------------------------------------------
                |               Robust
             _t |        SHR   Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   leadfirc_entry |    .368707   .1602535    -2.30   0.022     .1572962    .8642604
   instfirc_entry |   5.980668   4.050056     2.64   0.008     1.586074    22.55152
   restfirc_entry |   1.060189   .4516508     0.14   0.891     .4600058     2.44345
   irreg_entryabd |   .9113844    .139381    -0.61   0.544     .6753433    1.229925
      lnpec4_fill |    1.07458   .0237366     3.26   0.001      1.02905    1.122124
    lntpop4_banks |   1.006308     .03396     0.19   0.852     .9419008    1.075119
      mountainous |   2.328518   .6752964     2.91   0.004      1.31893    4.110907
         newstate |   .5636476   .0931492    -3.47   0.001     .4076965    .7792529
          losewar |   1.405197    .719814     0.66   0.507     .5148826    3.835008
         gdbuffer |   1.276481   .1336062     2.33   0.020     1.039731    1.567139
cw1000ongoing2014 |   .8748737   .1089952    -1.07   0.283     .6853293    1.116841
        leaderage |   1.008828   .0044124     2.01   0.044     1.000216    1.017513
prevtimesinoffice |   .8859896   .0636531    -1.68   0.092     .7696174    1.019958
        pol_democ |   3.360877   .5845381     6.97   0.000     2.390055    4.726038
        pol_mixed |   2.188858    .384097     4.46   0.000     1.551851    3.087343
         oil_ross |    .954271   .0210854    -2.12   0.034     .9138265    .9965056
------------------------------------------------------------------------------
```

List of Variables: Leader-spell and Leader-year Datasets

Variable Label	Variable Description	Dataset	Source
obsid	Observation ID	Both	Archigos v.2.9
leadid	Leader ID	Both	Archigos
ccode	Country code	Both	Archigos, COW
idacr	Country abbreviation	LS	Archigos, COW
ccname	Country name	LY	Archigos
leader	Leader last name	Both	Archigos
startdate	Date leader took office	LS	Archigos
enddate	Date leader left office	LS	Archigos
eindate	Date leader took office	Both	Archigos
eoutdate	Date leader left office	Both	Archigos
startobs	Date of start of yearly observation	LY	Archigos
endobs	Date of end of yearly observation	LY	Archigos
foreign_entryabd	Leader brought to power in foreign-imposed regime change	LS	Author
leadfirc_entry	Leader brought to power in leadership foreign-imposed regime change	LS	Author
instfirc_entry	Leader brought to power in institutional foreign-imposed regime change	LS	Author
restfirc_entry	Leader brought to power in restoration foreign-imposed regime change	LS	Author
irreg_entryabd	Leader entered office by irregular means	LS	Archigos and Author
irreg_entry	Leader entered office by irregular means	LY	Archigos and Author
mountainous	Percent mountainous terrain	LS	Fearon and Laitin 2003
losewar	State lost an interstate war in year of observation	LS	COW, v.4
lntpop4_banks	Population (log)	LS	COW supplemented by Banks and Wilson 2020
lnpec4_fill	Primary energy consumption (log)	LS	COW, v.4
newstate	State in first 2 years of existence	LS	Fearon and Laitin 2003
cw1000ongoing2014	Ongoing civil war in year of observation	LS	COW, Sambanis 2004, Clodfelter 2008, Author
interwar	State is involved in an interstate war in year of observation	LS	COW, v.4
oil_colgan	Gross revenues from oil exports comprise 10 percent or more of state's GDP	LS	Colgan 2010
oil_ross	State's per capita revenue from oil and gas	LS	Ross 2012
lexclpop	Percent of population consisting of excluded ethnic groups (log)	LS	Wimmer, Cederman, and Min 2009
ldiscrimpop	Percent of population consisting of ethnic groups experiencing discrimination (log)	LS	Wimmer, Cederman, and Min 2009
elfroeder	Ethnolinguistic fractionalization	LS	Roeder 2001
gdbuffer	State is a buffer state	LS	Fazal 2007
bbuffer	State is a buffer state	LS	Fazal 2007
prevtimesinoffice	Number of times leader previously held office	LS	Archigos
pol_democ	State is a democracy	LS	Polity 4 (Marshall n.d.)
pol_mixed	State is a mixed regime	LS	Polity 4 (Marshall n.d.)
pol_autoc	State is an autocracy	LS	Polity 4 (Marshall n.d.)
leaderage	Leader age	LS	Archigos
failtype (irregular)	1=irregular or foreign exit, 2=regular exit, 3=natural death	Both	Archigos and Author
failtype (regular)	1=regular exit, 2=irregular or foreign exit, 3=natural death	Both	Archigos and Author
age0	Leader's age	LY	Goemans 2008
powtimes	Number of times leader previously held office	LY	Goemans 2008
tmixed	Mixed regime (-6 to +6 on Polity index)	LY	Goemans 2008

tdemparl	Parliamentary democracy (7-10 on Polity index)	LY	Goemans 2008
tdempres	Presidental democracy (7-10 on Polity index)	LY	Goemans 2008
trans	Countries experiencing an interregnum or political transition	LY	Goemans 2008
lngdpcapl	GDP per capita (log)	LY	Goemans 2008
growth	Yearly change in log of GDP per capita	LY	Goemans 2008
tropen2l	Total trade standardized by GDP per capita (log)	LY	Goemans 2008
dopen2	Yearly change in level of trade openness	LY	Goemans 2008
lnpop	Population (log)	LY	Goemans 2008
civwar	Leader is in office while a civil war is ongoing	LY	Goemans 2008
initiator2	Leader initiated an international crisis	LY	Goemans 2008
defender2	Leaders was the target of an international crisis	LY	Goemans 2008
inherit	Leader inherited an ongoing international crisis from predecessor	LY	Goemans 2008
dwinsh	Leader triumphed in an international crisis	LY	Goemans 2008
dlosesh	Leader lost an international crisis	LY	Goemans 2008
ddrawsh	Leader drew an international crisis	LY	Goemans 2008
dwinwar	Leader triumphed in a war	LY	Goemans 2008
dlosewar	Leader lost a war	LY	Goemans 2008
ddrawwar	Leader drew a war	LY	Goemans 2008

Note: LS refers to the leader-spell dataset; LY refers to the leader-year dataset.

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