Online Appendix
For "All Alliances are Multilateral: Rethinking Alliance Formation in an International System"

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ROBUSTNESS CHECKS ON TABLE 3

```
. ** CHECK 1L use t, t^2, and ^3 instead of cubic splines

. * 1.1 Model of total CINC with no controls
. relogit defpact total_cinc total_cinc_square noallyrs _prefail _spline1 _spline2 _spline3


Corrected logit estimates                             Number of obs =    23075

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   9.584344   1.311919     7.31   0.000     7.013029    12.15566
total_cinc~e |  -16.41323   3.112299    -5.27   0.000    -22.51322   -10.31323
    noallyrs |  -.1371712   .0386097    -3.55   0.000    -.2128448   -.0614975
    _prefail |  -1.452453   .2211262    -6.57   0.000    -1.885853   -1.019054
    _spline1 |  -.0008222   .0002723    -3.02   0.003    -.0013559   -.0002884
    _spline2 |   .0003847   .0001334     2.88   0.004     .0001231    .0006462
    _spline3 |  -.0000413   .0000182    -2.27   0.023     -.000077   -5.61e-06
       _cons |  -3.944196   .1666839   -23.66   0.000     -4.27089   -3.617502
------------------------------------------------------------------------------


. relogit defpact total_cinc total_cinc_square time time2 time3


Corrected logit estimates                             Number of obs =    23075

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.256042   1.221667     5.94   0.000     4.861618    9.650465
total_cinc~e |  -11.78145     2.8504    -4.13   0.000    -17.36813   -6.194767
        time |  -.0260147   .0110268    -2.36   0.018    -.0476268   -.0044025
       time2 |   .0002279   .0002021     1.13   0.259    -.0001682    .0006239
       time3 |  -4.76e-07   9.80e-07    -0.49   0.627    -2.40e-06    1.44e-06
       _cons |  -4.457415   .1294017   -34.45   0.000    -4.711038   -4.203792
------------------------------------------------------------------------------

.
```

```
. * 1.2 Adding the number of members squared
. relogit defpact total_cinc total_cinc_square nummem nummem_square noallyrs _prefail _spline1
_spline2 _spline3


Corrected logit estimates                             Number of obs =    23075

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   8.688343   1.278807     6.79   0.000     6.181927    11.19476
total_cinc~e |  -16.39879   2.945051    -5.57   0.000    -22.17098   -10.62659
      nummem |   .1193635   .0365272     3.27   0.001     .0477714    .1909556
nummem_squ~e |  -.0019929   .0011473    -1.74   0.082    -.0042416    .0002558
    noallyrs |  -.1199398    .038928    -3.08   0.002    -.1962373   -.0436422
    _prefail |  -1.526022   .2340884    -6.52   0.000    -1.984827   -1.067217
    _spline1 |  -.0007864   .0002722    -2.89   0.004      -.00132   -.0002528
    _spline2 |   .0003769   .0001331     2.83   0.005      .000116    .0006378
    _spline3 |  -.0000438   .0000181    -2.42   0.016    -.0000793   -8.32e-06
       _cons |  -4.391657   .2005674   -21.90   0.000    -4.784762   -3.998552
------------------------------------------------------------------------------

. relogit defpact total_cinc total_cinc_square nummem nummem_square time time2 time3


Corrected logit estimates                             Number of obs =    23075

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.583083   1.227812     5.36   0.000     4.176616     8.98955
total_cinc~e |  -12.25336   2.788023    -4.39   0.000    -17.71778   -6.788931
      nummem |   .0928933   .0300789     3.09   0.002     .0339398    .1518468
nummem_squ~e |  -.0011637   .0009027    -1.29   0.197     -.002933    .0006055
        time |  -.0197026   .0107413    -1.83   0.067    -.0407552    .0013501
       time2 |   .0001659   .0001981     0.84   0.402    -.0002224    .0005542
       time3 |  -2.90e-07   9.57e-07    -0.30   0.762    -2.17e-06    1.59e-06
       _cons |  -4.778819   .1468133   -32.55   0.000    -5.066567    -4.49107
------------------------------------------------------------------------------

.
```

ROBUSTNESS CHECKS FOR TABLE 4

```
** CHECK 1 use t, t^2, and ^3 instead of cubic splines
. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat min_pol noallyrs _prefail _spline1 _spline2 _spline3
(720 missing values generated)


Corrected logit estimates                             Number of obs =    22355

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.967631   1.517804     4.59   0.000      3.99279    9.942472
total_cinc~e |  -11.94098   3.542411    -3.37   0.001    -18.88398   -4.997983
      nummem |    .330672   .0706395     4.68   0.000     .1922212    .4691228
nummem_squ~e |  -.0077704   .0025686    -3.03   0.002    -.0128048   -.0027361
kad_max_di~e |  -.0002389   .0000337    -7.10   0.000    -.0003049   -.0001729
   average_s |   1.118317   .3778857     2.96   0.003     .3776748     1.85896
 max_pol_dif |  -.0124123   .0119702    -1.04   0.300    -.0358735    .0110489
total_threat |   .0520421   .0636585     0.82   0.414    -.0727263    .1768106
     min_pol |  -.0104132   .0142987    -0.73   0.466    -.0384381    .0176117
    noallyrs |  -.1432144   .0398603    -3.59   0.000    -.2213391   -.0650896
    _prefail |  -1.682169   .2313021    -7.27   0.000    -2.135513   -1.228825
    _spline1 |  -.0009332   .0002789    -3.35   0.001    -.0014799   -.0003866
    _spline2 |   .0004417   .0001357     3.25   0.001     .0001756    .0007077
    _spline3 |  -.0000488    .000018    -2.72   0.007     -.000084   -.0000136
       _cons |  -5.052951   .4530961   -11.15   0.000    -5.941003   -4.164899
------------------------------------------------------------------------------

. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat min_pol time time2 time3
(720 missing values generated)


Corrected logit estimates                             Number of obs =    22355

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   5.008148   1.392803     3.60   0.000     2.278304    7.737992
total_cinc~e |  -7.672638   3.113534    -2.46   0.014    -13.77505   -1.570224
      nummem |   .2655791   .0692328     3.84   0.000     .1298853     .401273
nummem_squ~e |  -.0055658   .0024724    -2.25   0.024    -.0104116     -.00072
kad_max_di~e |  -.0001841   .0000342    -5.38   0.000    -.0002511   -.0001171
   average_s |   .9642671   .3655328     2.64   0.008      .247836    1.680698
 max_pol_dif |  -.0253343   .0121368    -2.09   0.037     -.049122   -.0015466
total_threat |   .0514628   .0714632     0.72   0.471    -.0886026    .1915281
     min_pol |  -.0303366   .0143282    -2.12   0.034    -.0584194   -.0022538
        time |  -.0202028   .0111273    -1.82   0.069    -.0420119    .0016064
       time2 |   .0002131   .0001946     1.10   0.274    -.0001683    .0005945
       time3 |  -5.21e-07   9.23e-07    -0.56   0.572    -2.33e-06    1.29e-06
       _cons |  -5.528148   .4391963   -12.59   0.000    -6.388957    -4.66734
------------------------------------------------------------------------------
```

```
* CHECK 2: Sensitivity of Results to different codings of the k-ad's level of `democraticness'

. sum min_pol max_pol prop_dem mean_pol

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
     min_pol |     22686   -4.435775    5.986886        -10         10
     max_pol |     23075    4.793456    4.352559          0         10
    prop_dem |     23075    .2812631    .3292338          0          1
    mean_pol |     23075   -.6170394    5.207185        -10         10
.
```

```
.
. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat min_pol noallyrs _prefail _spline1 _spline2 _spline3
(720 missing values generated)


Corrected logit estimates                             Number of obs =    22355

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.967631   1.517804     4.59   0.000      3.99279    9.942472
total_cinc~e |  -11.94098   3.542411    -3.37   0.001    -18.88398   -4.997983
      nummem |    .330672   .0706395     4.68   0.000     .1922212    .4691228
nummem_squ~e |  -.0077704   .0025686    -3.03   0.002    -.0128048   -.0027361
kad_max_di~e |  -.0002389   .0000337    -7.10   0.000    -.0003049   -.0001729
   average_s |   1.118317   .3778857     2.96   0.003     .3776748     1.85896
 max_pol_dif |  -.0124123   .0119702    -1.04   0.300    -.0358735    .0110489
total_threat |   .0520421   .0636585     0.82   0.414    -.0727263    .1768106
     min_pol |  -.0104132   .0142987    -0.73   0.466    -.0384381    .0176117
    noallyrs |  -.1432144   .0398603    -3.59   0.000    -.2213391   -.0650896
    _prefail |  -1.682169   .2313021    -7.27   0.000    -2.135513   -1.228825
    _spline1 |  -.0009332   .0002789    -3.35   0.001    -.0014799   -.0003866
    _spline2 |   .0004417   .0001357     3.25   0.001     .0001756    .0007077
    _spline3 |  -.0000488    .000018    -2.72   0.007     -.000084   -.0000136
       _cons |  -5.052951   .4530961   -11.15   0.000    -5.941003   -4.164899
------------------------------------------------------------------------------
```

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat max_pol noallyrs _prefail _spline1 _spline2 _spline3
(358 missing values generated)


Corrected logit estimates                             Number of obs =    22717

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.233522   1.522873     4.75   0.000     4.248745     10.2183
total_cinc~e |   -12.5517   3.589022    -3.50   0.000    -19.58605   -5.517343
      nummem |   .3362061   .0708979     4.74   0.000     .1972488    .4751635
nummem_squ~e |  -.0078412   .0025752    -3.04   0.002    -.0128885   -.0027938
kad_max_di~e |  -.0002398   .0000336    -7.13   0.000    -.0003057   -.0001738
   average_s |   1.107842   .3688788     3.00   0.003     .3848529    1.830831
 max_pol_dif |   .0009319   .0148688     0.06   0.950    -.0282105    .0300743
total_threat |   .0451761   .0623566     0.72   0.469    -.0770405    .1673927
     max_pol |  -.0222003    .022791    -0.97   0.330    -.0668698    .0224693
    noallyrs |  -.1393581   .0398103    -3.50   0.000    -.2173848   -.0613314
    _prefail |   -1.67484   .2312597    -7.24   0.000      -2.1281   -1.221579
    _spline1 |  -.0009137   .0002782    -3.28   0.001    -.0014589   -.0003685
    _spline2 |   .0004336   .0001354     3.20   0.001     .0001683    .000699
    _spline3 |  -.0000485   .0000179    -2.70   0.007    -.0000836   -.0000133
       _cons |  -5.049845   .4219922   -11.97   0.000    -5.876935   -4.222756
------------------------------------------------------------------------------
```

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat prop_dem noallyrs _prefail _spline1 _spline2 _spline3
(358 missing values generated)


Corrected logit estimates                             Number of obs =    22717

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.322094   1.523402     4.81   0.000      4.33628    10.30791
total_cinc~e |  -12.68907   3.592364    -3.53   0.000    -19.72998    -5.64817
      nummem |   .3378838   .0709602     4.76   0.000     .1988043    .4769633
nummem_squ~e |  -.0078271   .0025883    -3.02   0.002    -.0129001    -.002754
kad_max_di~e |  -.0002407   .0000332    -7.24   0.000    -.0003058   -.0001755
   average_s |   1.099585   .3666829     3.00   0.003     .3808997     1.81827
 max_pol_dif |  -.0035541   .0122066    -0.29   0.771    -.0274785    .0203703
total_threat |   .0357186   .0643934     0.55   0.579    -.0904901    .1619273
    prop_dem |  -.3443352    .276307    -1.25   0.213     -.885887    .1972166
    noallyrs |  -.1385786    .039793    -3.48   0.000    -.2165714   -.0605857
    _prefail |  -1.660312   .2320987    -7.15   0.000    -2.115217   -1.205407
    _spline1 |  -.0009067   .0002783    -3.26   0.001    -.0014521   -.0003612
    _spline2 |   .0004303   .0001355     3.18   0.001     .0001647    .0006958
    _spline3 |  -.0000482   .0000179    -2.68   0.007    -.0000833    -.000013
       _cons |  -5.030458   .4187232   -12.01   0.000     -5.85114   -4.209775
------------------------------------------------------------------------------
```

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square kad_max_distance average_s
max_pol_dif total
> _threat mean_pol noallyrs _prefail _spline1 _spline2 _spline3
(358 missing values generated)


Corrected logit estimates                             Number of obs =    22717

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.167772   1.498151     4.78   0.000     4.231451    10.10409
total_cinc~e |  -12.27766   3.512299    -3.50   0.000    -19.16164   -5.393677
      nummem |   .3444177   .0718243     4.80   0.000     .2036447    .4851907
nummem_squ~e |  -.0079697   .0026089    -3.05   0.002     -.013083   -.0028563
kad_max_di~e |  -.0002344   .0000336    -6.98   0.000    -.0003002   -.0001686
   average_s |   1.139157   .3718844     3.06   0.002     .4102775    1.868037
 max_pol_dif |  -.0036249   .0118086    -0.31   0.759    -.0267692    .0195194
total_threat |   .0307174    .063306     0.49   0.628      -.09336    .1547948
    mean_pol |  -.0261649   .0159192    -1.64   0.100    -.0573659    .0050362
    noallyrs |  -.1406706   .0396946    -3.54   0.000    -.2184706   -.0628707
    _prefail |  -1.654665   .2312826    -7.15   0.000    -2.107971    -1.20136
    _spline1 |  -.0009165   .0002777    -3.30   0.001    -.0014607   -.0003723
    _spline2 |   .0004332   .0001352     3.20   0.001     .0001683    .0006982
    _spline3 |  -.0000477   .0000179    -2.66   0.008    -.0000829   -.0000126
       _cons |  -5.197959   .4529794   -11.48   0.000    -6.085782   -4.310136
------------------------------------------------------------------------------
```

SIMULATIONS FOR RESULTS WITH AND WITHOUT INVERSE PROBABILITY WEIGHTS

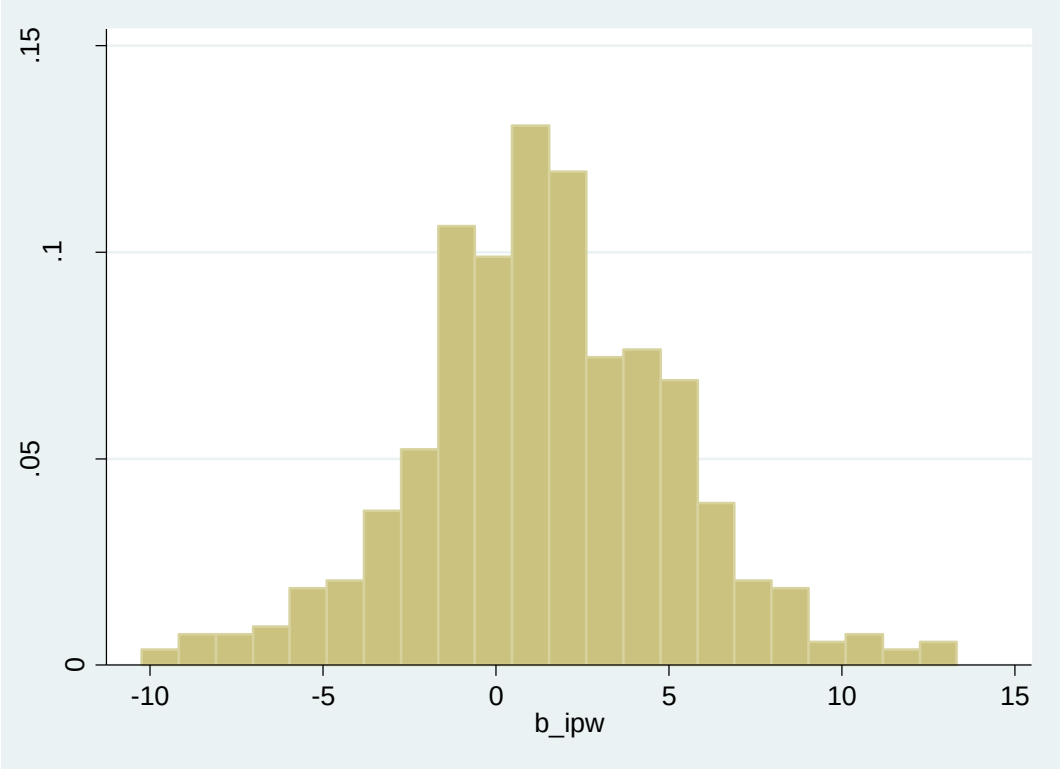
NOTE: Since the dataset on which the model is estimated is a stratified sample, one may consider weighing the observations from each strata by the inverse probability of being drawn from the sample. However, applying an inverse probability weighting is not without costs. Specifically, for *k*-ads of size *k*=4, the probability of a single observation being drawn is so exceedingly small (if there are 150 countries in the system in a given year, then the probability of a particular 4-ad being drawn is 1/20,260,275) and the corresponding inverse probability weight so massively large, that it can generate convergence problems for the model (i.e. the standard errors may not be identified). Thus, one faces a trade off: apply inverse probability weights, but lose the ability to include *k*-ads of a particular size (perhaps *k*=4) and larger; or retain all *k*-ads, but do not apply inverse probability weights. We choose the latter approach, as we think it is critical to include the larger *k*-adic observations. The following Monte Carlo simulations show that, so long as rare-events logit estimation is applied, the difference in the coefficient estimates from the applying inverse probability weights compared to not applying inverse probability weights is trivially small.

Description of the Simulation (based on Poast 2010 simulations):

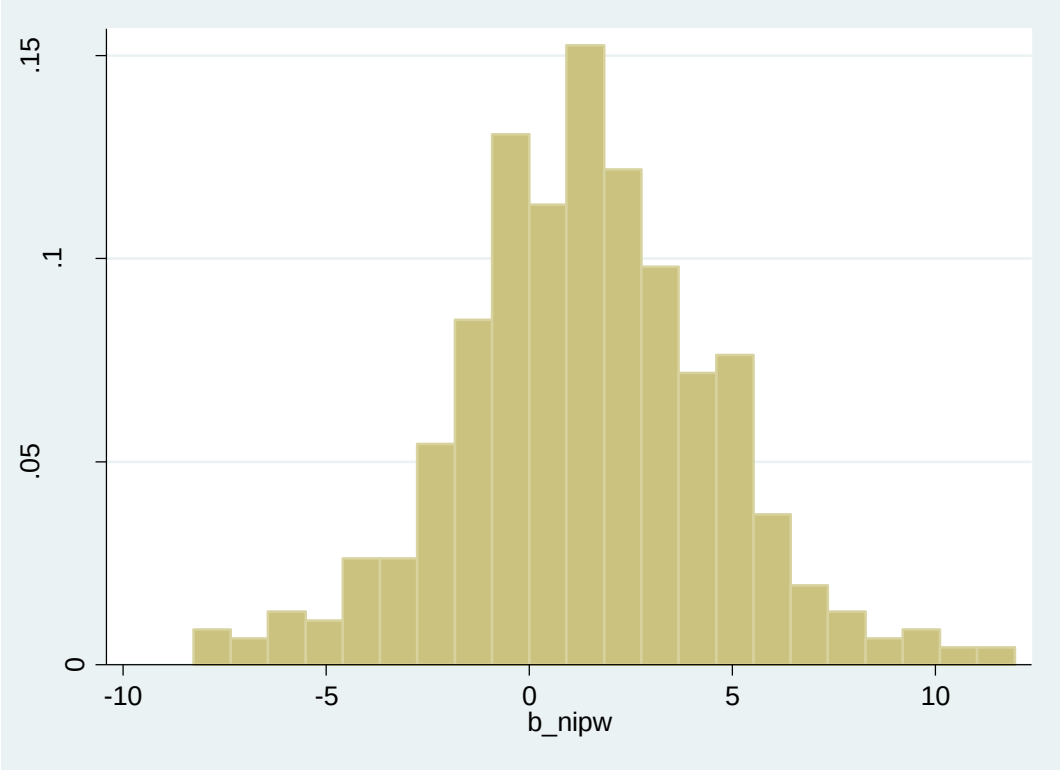
```
** DGP
gen b1 = 1
gen cons = -9.85
gen xb = cons + b1*cap_ratio + u

gen y = 0
replace y = 1 if xb > 0

** Create Random Sample (observations in the sample are identified by the variable `keep').
* All observations in which y=1 will be included in the sample.
gen keep = 1 if y==1
replace ipw=1 if y==1

* A random sample of the y=0 observations will be included in the sample (notice the sample is twice the number of observations in which y=1).
gen keep_p = uniform() if y~=.
local k 1
while `k' <=(`number') {
sum y if y==1 & nummem==`k'
local n_t = r(N)
sort keep_p
gen n_t = _n if y~=. & nummem==`k'
replace keep = 1 if y~=. & nummem==`k' & n_t<2*(`n_t')
local k = `k' + 1
drop n_t
}

** Finally, attempt to reestimate the the parameter on "cap_ratio" using relogit model
* Model using inverse probability weights
relogit y cap_ratio if keep==1
/* Store the estimated coefficient on cap_ratio */
capture local b1 = _b[cap_ratio]

* Model not using inverse probability weights
relogit y cap_ratio [fw=ipw] if keep==1
capture local b2 = _b[cap_ratio]
```

Simulation results when dataset includes just dyads and triads (500 iterations):

Distribution of estimates of coefficient on cap_ratio from regressions using inverse probability weights



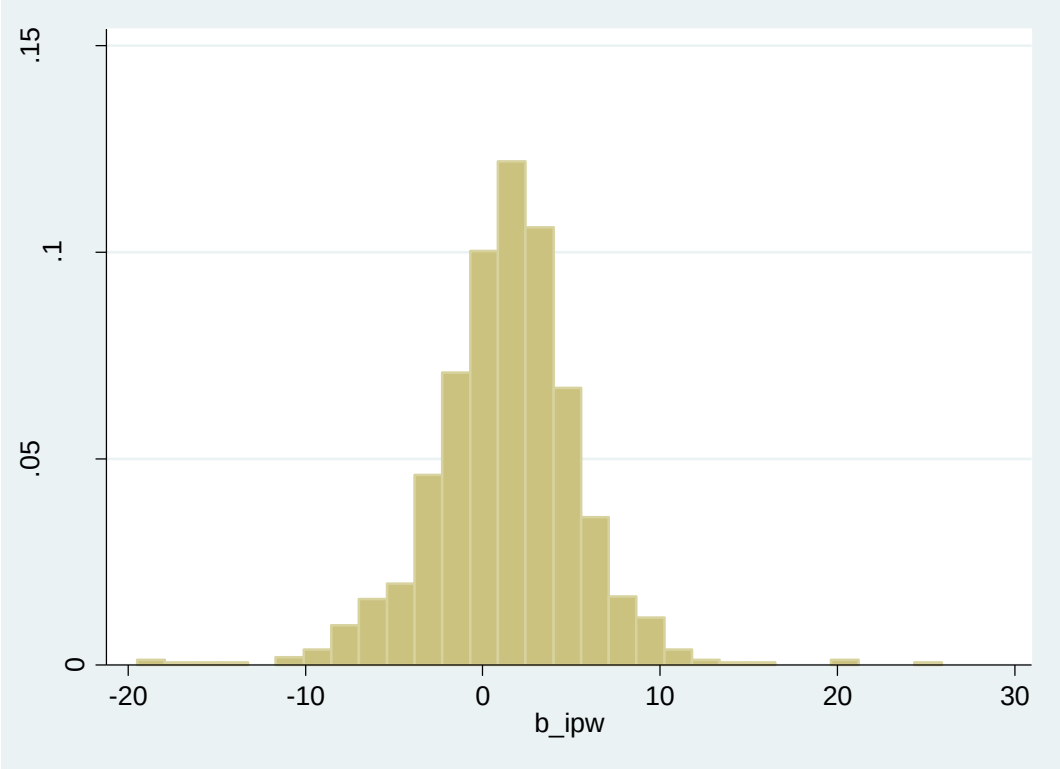
Distribution estimates of coefficient on cap_ratio coefficient from regressions not using inverse probability weights



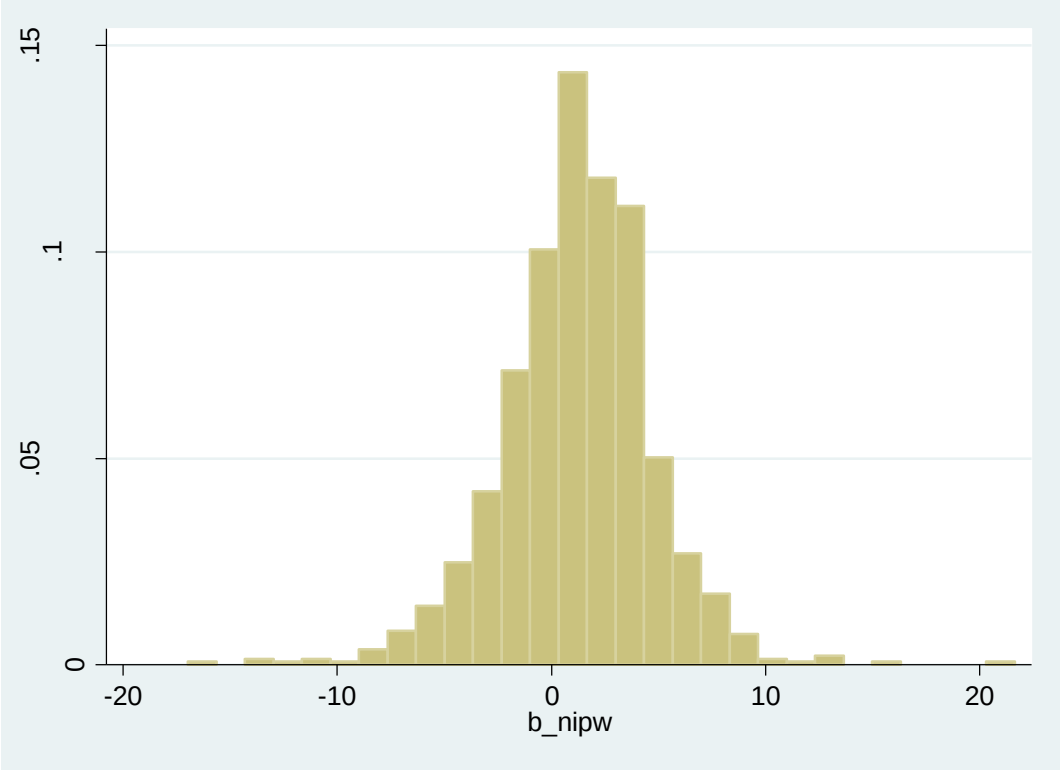
```
. sum b_nipw b_ipw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
      b_nipw |       500    1.377244    3.220295  -8.268559   11.94123
       b_ipw |       500    1.430267    3.726908  -10.24816    13.3274

. hist b_nipw
(bin=22, start=-8.2685585, width=.91862653)

. hist b_ipw
(bin=22, start=-10.248161, width=1.0716162)

.
. ttest b_nipw==b_ipw

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
  b_nipw |     500    1.377244     .144016    3.220295    1.094292    1.660196
   b_ipw |     500    1.430267    .1666724    3.726908    1.102801    1.757733
---------+--------------------------------------------------------------------
    diff |     500   -.0530232    .0246021    .5501201   -.1013597   -.0046866
------------------------------------------------------------------------------
     mean(diff) = mean(b_nipw - b_ipw)                             t =  -2.1552
 Ho: mean(diff) = 0                         degrees of freedom =      499

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0158         Pr(|T| > |t|) = 0.0316          Pr(T > t) = 0.9842
```

Simulation results when dataset includes just dyads and thriads (1000 iterations):

Distribution of estimates of coefficient on cap_ratio from regressions using inverse probability weights



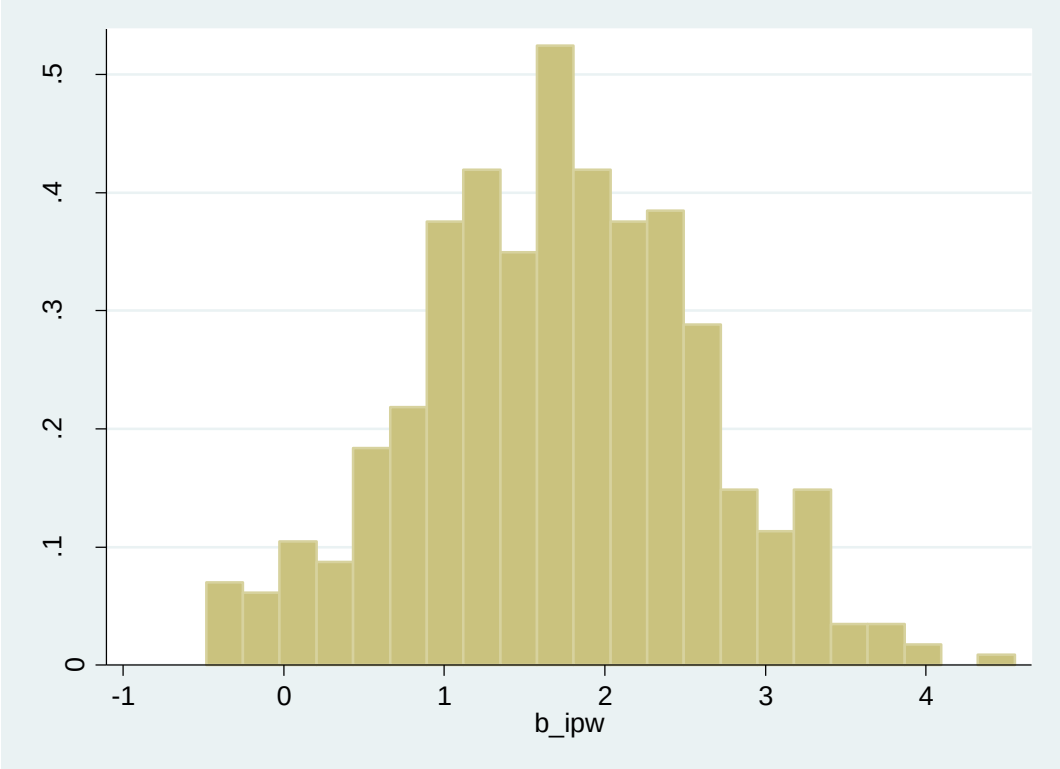
Distribution estimates of coefficient on cap_ratio coefficient from regressions not using inverse probability weights



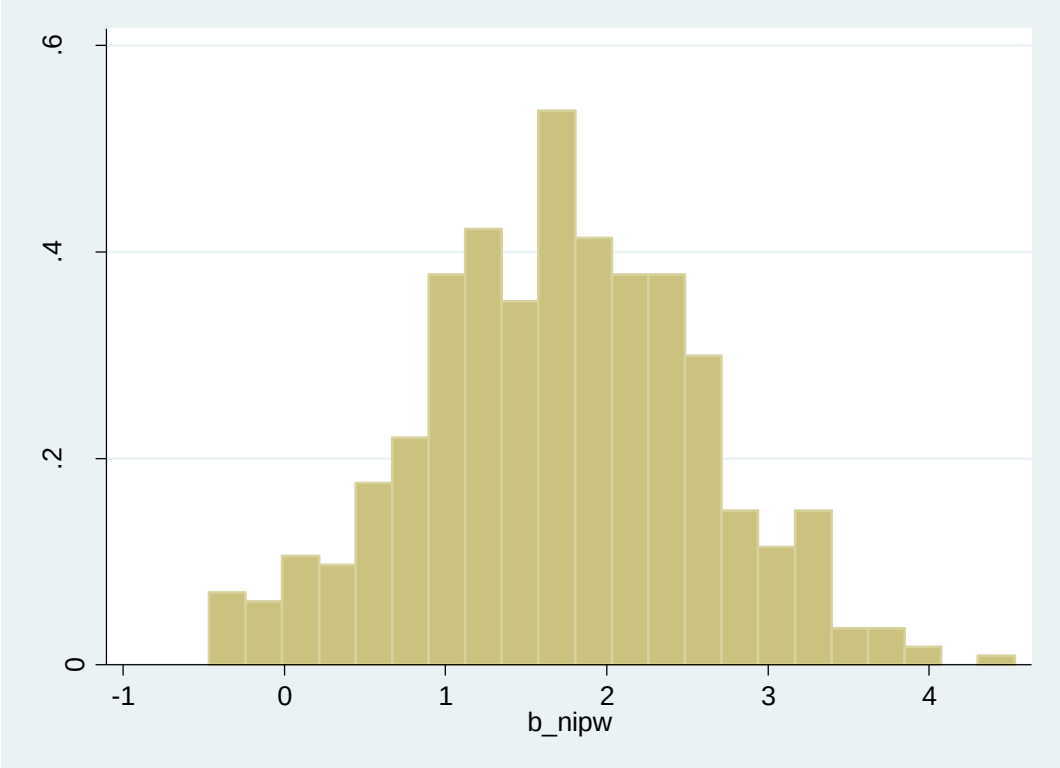
```
. sum b_nipw b_ipw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
      b_nipw |      1000    1.229318    3.493357  -16.97039    21.6324
       b_ipw |      1000    1.265557    4.104735  -19.50317   25.89379

. hist b_nipw
(bin=29, start=-16.970388, width=1.3311307)

. hist b_ipw
(bin=29, start=-19.503172, width=1.5654123)

.
. ttest b_nipw==b_ipw

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
  b_nipw |    1000    1.229318    .1104697    3.493357    1.012539    1.446097
   b_ipw |    1000    1.265557    .1298031    4.104735    1.010839    1.520275
---------+--------------------------------------------------------------------
    diff |    1000   -.0362393     .021581    .6824517   -.0785886    .0061101
------------------------------------------------------------------------------
     mean(diff) = mean(b_nipw - b_ipw)                             t =  -1.6792
 Ho: mean(diff) = 0                              degrees of freedom =      999

 Ha: mean(diff) < 0           Ha: mean(diff) != 0           Ha: mean(diff) > 0
 Pr(T < t) = 0.0467         Pr(|T| > |t|) = 0.0934          Pr(T > t) = 0.9533
```

Simulation with dyads, triads, and quad-ads (500 iterations):

Distribution of coefficient from regressions using inverse probability weights



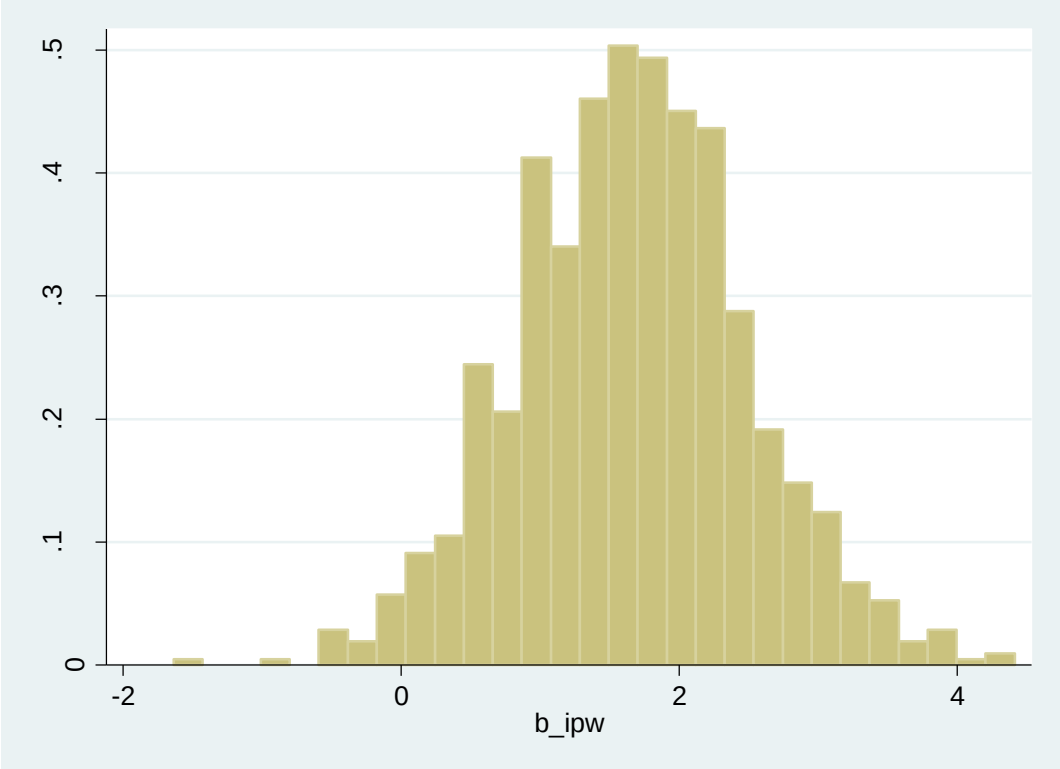
Distribution of coefficient from regressions not using inverse probability weights



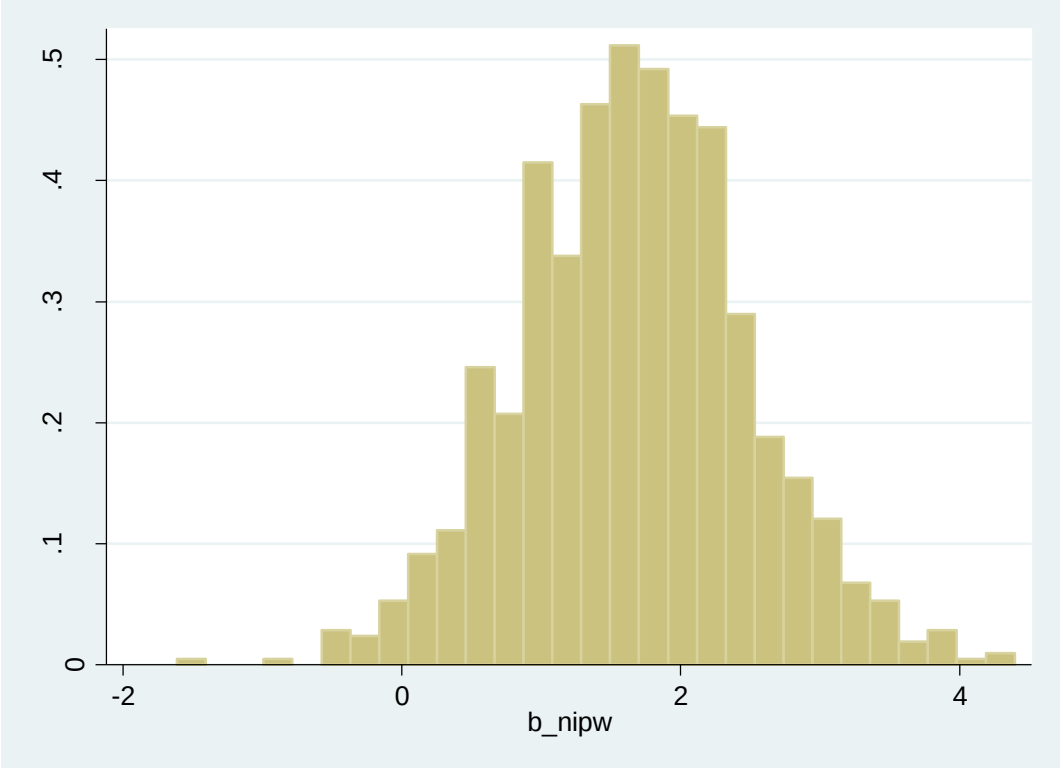
```
. sum b_nipw b_ipw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
      b_nipw |       500    1.710101    .8729113  -.4677179    4.53008
       b_ipw |       500    1.712282    .8792412  -.4826396   4.552428

. hist b_nipw
(bin=22, start=-.46771792, width=.22717265)

. hist b_ipw
(bin=22, start=-.48263955, width=.2288667)

.
. ttest b_nipw==b_ipw

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
  b_nipw |     500    1.710101    .0390378    .8729113    1.633402    1.786799
   b_ipw |     500    1.712282    .0393209    .8792412    1.635027    1.789537
---------+--------------------------------------------------------------------
    diff |     500   -.0021815     .000288    .0064398   -.0027473   -.0016157
------------------------------------------------------------------------------
     mean(diff) = mean(b_nipw - b_ipw)                             t =  -7.5748
 Ho: mean(diff) = 0                         degrees of freedom =      499

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

Simulation with dyads, triads, and quad-ads (1000 iterations):

Distribution of coefficient from regressions using inverse probability weights



Distribution of coefficient from regressions not using inverse probability weights



```
. sum b_nipw b_ipw

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
      b_nipw |      1000    1.661392    .8226816  -1.614166   4.394714
       b_ipw |      1000    1.663286    .8285648   -1.63533   4.415054

. hist b_nipw
(bin=29, start=-1.6141665, width=.20720277)

. hist b_ipw
(bin=29, start=-1.6353304, width=.20863396)

.
. ttest b_nipw==b_ipw

Paired t test
------------------------------------------------------------------------------
Variable |     Obs        Mean    Std. Err.   Std. Dev.   [95% Conf. Interval]
---------+--------------------------------------------------------------------
  b_nipw |    1000    1.661392    .0260155    .8226816    1.610341    1.712444
   b_ipw |    1000    1.663286    .0262015    .8285648     1.61187    1.714702
---------+--------------------------------------------------------------------
    diff |    1000   -.0018934    .0001894    .0059904   -.0022652   -.0015217
------------------------------------------------------------------------------
     mean(diff) = mean(b_nipw - b_ipw)                             t =  -9.9952
 Ho: mean(diff) = 0                         degrees of freedom =      999

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

ROBUSTNESS: RESULTS WITH C-SHAPES MINIMUM DISTANCE

Model 2.1 Redo with Minimum Distance

Corrected logit estimates **Number of obs = 12763**

defpact	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
total_cinc	15.29668	2.522846	6.06	0.000	10.352	20.24137
total_cinc~e	-20.60443	7.270209	-2.83	0.005	-34.85378	-6.355087
nummem	.2551545	.0543832	4.69	0.000	.1485653	.3617437
nummem_squ~e	-.0044395	.0020155	-2.20	0.028	-.0083897	-.0004893
kad_max_di~e	-.0003787	.000061	-6.20	0.000	-.0004983	-.000259
prop_contig	.3785818	.2386446	1.59	0.113	-.0891531	.8463167
noallyrs	-.0814826	.0550846	-1.48	0.139	-.1894464	.0264811
_prefail	-3.24835	.3531925	-9.20	0.000	-3.940595	-2.556106
_spline1	-.0007964	.0003761	-2.12	0.034	-.0015336	-.0000593
_spline2	.0004384	.0001832	2.39	0.017	.0000794	.0007975
_spline3	-.0000731	.0000249	-2.94	0.003	-.0001219	-.0000244
_cons	-3.837688	.3197384	-12.00	0.000	-4.464364	-3.211012

Model 2.3 Redo with Minimum Distance

Corrected logit estimates **Number of obs = 12507**

defpact	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
total_cinc	15.89394	2.359178	6.74	0.000	11.27003	20.51784
total_cinc~e	-21.63378	6.800438	-3.18	0.001	-34.96239	-8.305167
nummem	.1852301	.0803965	2.30	0.021	.0276558	.3428044
nummem_squ~e	-.0048859	.0025759	-1.90	0.058	-.0099345	.0001627
kad_max_di~e	-.0003538	.000062	-5.70	0.000	-.0004754	-.0002322
prop_contig	.280965	.2667755	1.05	0.292	-.2419055	.8038354
max_pol_dif	-.0320631	.016692	-1.92	0.055	-.0647788	.0006526
min_pol	-.0387398	.0185261	-2.09	0.037	-.0750504	-.0024293
average_s	-.1800956	.4703847	-0.38	0.702	-1.102033	.7418414
total_threat	.2489958	.1355747	1.84	0.066	-.0167257	.5147174
noallyrs	-.092268	.0579351	-1.59	0.111	-.2058187	.0212828
_prefail	-3.254711	.3843183	-8.47	0.000	-4.007961	-2.501461
_spline1	-.0008409	.0003914	-2.15	0.032	-.0016081	-.0000738
_spline2	.0004455	.000189	2.36	0.018	.000075	.000816
_spline3	-.0000678	.0000251	-2.70	0.007	-.0001171	-.0000186
_cons	-3.721936	.5421778	-6.86	0.000	-4.784585	-2.659287

ROBUSTNESS: PRE-V-POST WORLD WAR II

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square noallyrs _prefail _spline1
_spline2 _spline3 if year<=1945


Corrected logit estimates                             Number of obs =     9835

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   5.161259   2.092895     2.47   0.014     1.059259    9.263258
total_cinc~e |  -7.909744   4.617936    -1.71   0.087    -16.96073    1.141243
      nummem |   .0557663   .1128985     0.49   0.621    -.1655107    .2770433
nummem_squ~e |  -.0009806   .0057079    -0.17   0.864    -.0121679    .0102067
    noallyrs |  -.0533445   .0646011    -0.83   0.409    -.1799604    .0732715
    _prefail |  -.7074394   .3168204    -2.23   0.026    -1.328396   -.0864827
    _spline1 |  -.0004578   .0004405    -1.04   0.299    -.0013212    .0004055
    _spline2 |   .0002415   .0002166     1.11   0.265    -.0001831     .000666
    _spline3 |  -.0000377    .000031    -1.21   0.225    -.0000985    .0000232
       _cons |  -4.835462   .4456293   -10.85   0.000    -5.708879   -3.962044
------------------------------------------------------------------------------
```

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square noallyrs _prefail _spline1
_spline2 _spline3 if year>1945


Corrected logit estimates                             Number of obs =    13240

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |    17.4155   2.091326     8.33   0.000     13.31658    21.51443
total_cinc~e |  -32.02254   5.683796    -5.63   0.000    -43.16257    -20.8825
      nummem |   .1022269   .0430278     2.38   0.018     .0178939    .1865599
nummem_squ~e |  -.0017547   .0012925    -1.36   0.175     -.004288    .0007786
    noallyrs |  -.1096493   .0504785    -2.17   0.030    -.2085853   -.0107132
    _prefail |  -2.659266   .3576382    -7.44   0.000    -3.360224   -1.958308
    _spline1 |  -.0007998   .0003582    -2.23   0.026    -.0015019   -.0000978
    _spline2 |   .0004001   .0001781     2.25   0.025     .0000511    .0007492
    _spline3 |  -.0000527   .0000261    -2.02   0.043    -.0001039   -1.54e-06
       _cons |  -4.310573   .2510902   -17.17   0.000    -4.802701   -3.818446
------------------------------------------------------------------------------
```

ROBUSTNESS: PROPORTION OF K-AD MEMBERS PREVIOUSLY ALLIED

```
* Control for proportion of k-ad members that were previously part of the same alliance (for model
1.2)

. relogit defpact total_cinc total_cinc_square nummem nummem_square prop_prev_allied noallyrs
_prefail _spline1 _spline2 _spline3
(160 missing values generated)


Corrected logit estimates                             Number of obs =    22915

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.171579   1.574235     4.56   0.000     4.086136    10.25702
total_cinc~e |  -14.08903   4.076996    -3.46   0.001     -22.0798   -6.098269
      nummem |   .1376851   .0697957     1.97   0.049      .000888    .2744822
nummem_squ~e |  -.0028075   .0030756    -0.91   0.361    -.0088356    .0032206
prop_prev_~d |    9.00738   1.506912     5.98   0.000     6.053888    11.96087
    noallyrs |   -.148465   .0408433    -3.63   0.000    -.2285164   -.0684135
    _prefail |  -2.868087   .2480479   -11.56   0.000    -3.354252   -2.381922
    _spline1 |  -.0008399   .0002824    -2.97   0.003    -.0013934   -.0002864
    _spline2 |   .0003932   .0001372     2.87   0.004     .0001244    .0006621
    _spline3 |  -.0000426   .0000182    -2.34   0.019    -.0000784   -6.91e-06
       _cons |   -11.5232   1.562563    -7.37   0.000    -14.58577   -8.460632
------------------------------------------------------------------------------
```

ROBUSTNESS: Including Country Dummy Variables (to account for dependencies)

```
. logit defpact total_cinc total_cinc_square noallyrs _prefail _spline1 _spline2 _spline3 i_*

Iteration 0:   log likelihood = -1365.8356
Iteration 1:   log likelihood =  -1279.522
Iteration 2:   log likelihood = -1220.4826
Iteration 3:   log likelihood = -1213.7622
Iteration 4:   log likelihood =  -1198.779
Iteration 5:   log likelihood = -1198.2485
Iteration 6:   log likelihood = -1198.2442
Iteration 7:   log likelihood = -1198.2442

Logistic regression                               Number of obs   =      17279
                                                  LR chi2(110)    =     335.18
                                                  Prob > chi2     =     0.0000
Log likelihood = -1198.2442                       Pseudo R2       =     0.1227

------------------------------------------------------------------------------
          defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
       total_cinc |   10.91249    2.60694     4.19   0.000      5.80298      16.022
total_cinc_square |  -18.30023   4.149231    -4.41   0.000    -26.43257   -10.16789
         noallyrs |  -.1068868   .0383663    -2.79   0.005    -.1820834   -.0316902
         _prefail |  -2.014214   .2236449    -9.01   0.000     -2.45255   -1.575878
         _spline1 |  -.0008114   .0002708    -3.00   0.003    -.0013423   -.0002806
         _spline2 |   .0003976   .0001334     2.98   0.003     .0001362    .0006591
         _spline3 |  -.0000491   .0000187    -2.62   0.009    -.0000857   -.0000124
              i_2 |   .3625985   .5133947     0.71   0.480    -.6436366    1.368834
             i_20 |    1.01419   .4556606     2.23   0.026     .1211115    1.907268
             i_31 |   2.267724   .7180041     3.16   0.002     .8604622    3.674986
             i_40 |   .5797922   .6012469     0.96   0.335      -.59863    1.758214
             i_41 |   1.143464   .5305677     2.16   0.031     .1035705    2.183358
             i_42 |          0  (omitted)
             i_51 |          0  (omitted)
             i_52 |          0  (omitted)
             i_53 |   1.361801   1.849023     0.74   0.461    -2.262218    4.985819
             i_54 |   .0406821   1.149673     0.04   0.972    -2.212635    2.293999
             i_55 |          0  (omitted)
             i_56 |          0  (omitted)
             i_57 |          0  (omitted)
             i_58 |          0  (omitted)
             i_60 |          0  (omitted)
             i_70 |          0  (omitted)
             i_80 |          0  (omitted)
             i_90 |  -.7927248   1.003023    -0.79   0.429    -2.758615    1.173165
             i_91 |   1.420988     .99694     1.43   0.154    -.5329789    3.374954
             i_92 |  -.6626007   1.331711    -0.50   0.619    -3.272706    1.947505
             i_93 |          0  (omitted)
            i_100 |   3.402181   1.699696     2.00   0.045     .0708373    6.733525
            i_101 |          0  (omitted)
            i_110 |          0  (omitted)
            i_115 |          0  (omitted)
            i_130 |  -1.379934   1.370494    -1.01   0.314    -4.066053    1.306186
            i_135 |   3.269063   1.290491     2.53   0.011     .7397472    5.798378
            i_140 |          0  (omitted)
            i_145 |  -1.374497   1.580432    -0.87   0.384    -4.472086    1.723092
            i_150 |          0  (omitted)
            i_155 |  -1.449033    1.17087    -1.24   0.216    -3.743897    .8458305
            i_160 |   .1268204   1.855964     0.07   0.946    -3.510803    3.764444
            i_165 |          0  (omitted)
            i_200 |  -.1240756   .3816076    -0.33   0.745    -.8720128    .6238616
            i_205 |   .0062094   .8786591     0.01   0.994    -1.715931     1.72835
            i_210 |   .2449782    .619989     0.40   0.693    -.9701779    1.460134
            i_211 |  -.3721512   .7167825    -0.52   0.604    -1.777019    1.032717
            i_212 |          0  (omitted)
            i_220 |   .3828912   .3735146     1.03   0.305     -.349184    1.114966
            i_221 |          0  (omitted)
            i_223 |          0  (omitted)
```

i_225	0	(omitted)				
i_230	-.090027	.5345712	-0.17	0.866	-1.137767	.9577134
i_232	0	(omitted)				
i_235	-1.09904	.7548223	-1.46	0.145	-2.578464	.380385
i_240	-.1010878	.7299517	-0.14	0.890	-1.531767	1.329591
i_245	1.250712	.7240552	1.73	0.084	-.1684104	2.669834
i_255	-.2102413	.3979361	-0.53	0.597	-.9901817	.5696992
i_260	2.029059	1.208817	1.68	0.093	-.3401787	4.398297
i_265	1.454582	.4928887	2.95	0.003	.4885379	2.420626
i_267	-.5920709	1.046475	-0.57	0.572	-2.643123	1.458982
i_269	0	(omitted)				
i_271	.1436229	.9400787	0.15	0.879	-1.698898	1.986143
i_275	.659346	1.12966	0.58	0.559	-1.554747	2.873439
i_280	.4355388	1.260644	0.35	0.730	-2.035279	2.906357
i_290	.9215408	.4241316	2.17	0.030	.0902581	1.752824
i_300	1.460485	.4278292	3.41	0.001	.621955	2.299015
i_305	0	(omitted)				
i_310	.7007422	.4309564	1.63	0.104	-.1439168	1.545401
i_315	1.438165	.4115658	3.49	0.000	.6315114	2.24482
i_316	-.5761964	1.267805	-0.45	0.649	-3.061049	1.908656
i_317	1.905343	1.168131	1.63	0.103	-.3841525	4.194839
i_325	-.1264902	.4992019	-0.25	0.800	-1.104908	.8519276
i_327	0	(omitted)				
i_329	0	(omitted)				
i_331	0	(omitted)				
i_332	.9020418	1.099035	0.82	0.412	-1.252028	3.056111
i_335	0	(omitted)				
i_338	1.561601	.7189033	2.17	0.030	.1525759	2.970625
i_339	1.112107	.6742929	1.65	0.099	-.2094829	2.433697
i_343	0	(omitted)				
i_344	1.976355	1.14873	1.72	0.085	-.2751151	4.227825
i_345	.6489049	.4225926	1.54	0.125	-.1793614	1.477171
i_349	0	(omitted)				
i_350	.6884991	.5600648	1.23	0.219	-.4092078	1.786206
i_352	0	(omitted)				
i_355	.9946311	.3960418	2.51	0.012	.2184034	1.770859
i_359	0	(omitted)				
i_360	1.385178	.4115516	3.37	0.001	.5785519	2.191805
i_365	.5654748	.3783744	1.49	0.135	-.1761254	1.307075
i_366	.5527289	.781392	0.71	0.479	-.9787713	2.084229
i_367	1.138678	.7899115	1.44	0.149	-.4095198	2.686876
i_368	-1.661704	1.305329	-1.27	0.203	-4.220102	.8966933
i_369	0	(omitted)				
i_370	1.614339	.6599988	2.45	0.014	.3207651	2.907913
i_371	1.799593	.6446196	2.79	0.005	.5361614	3.063024
i_372	.8707249	1.157146	0.75	0.452	-1.39724	3.13869
i_373	.7818206	.830371	0.94	0.346	-.8456767	2.409318
i_375	-.3984403	1.08009	-0.37	0.712	-2.515377	1.718497
i_385	0	(omitted)				
i_390	0	(omitted)				
i_395	0	(omitted)				
i_402	1.178083	1.350649	0.87	0.383	-1.46914	3.825306
i_403	.8372254	1.203297	0.70	0.487	-1.521193	3.195643
i_404	1.507108	1.025887	1.47	0.142	-.5035931	3.51781
i_411	.3427237	1.175078	0.29	0.771	-1.960387	2.645834
i_420	.5443522	.8429817	0.65	0.518	-1.107862	2.196566
i_432	1.002487	.7682558	1.30	0.192	-.5032665	2.508241
i_433	1.947056	.6605812	2.95	0.003	.6523404	3.241771
i_434	.1537243	.9295431	0.17	0.869	-1.668147	1.975595
i_435	-.28685	1.080362	-0.27	0.791	-2.404322	1.830621
i_436	-.5200804	1.117092	-0.47	0.642	-2.709541	1.66938
i_438	2.344577	.7819833	3.00	0.003	.8119182	3.877237
i_451	.6537903	1.21334	0.54	0.590	-1.724312	3.031892
i_461	0	(omitted)				
i_471	0	(omitted)				
i_475	3.329901	1.110438	3.00	0.003	1.153483	5.506319
i_481	0	(omitted)				

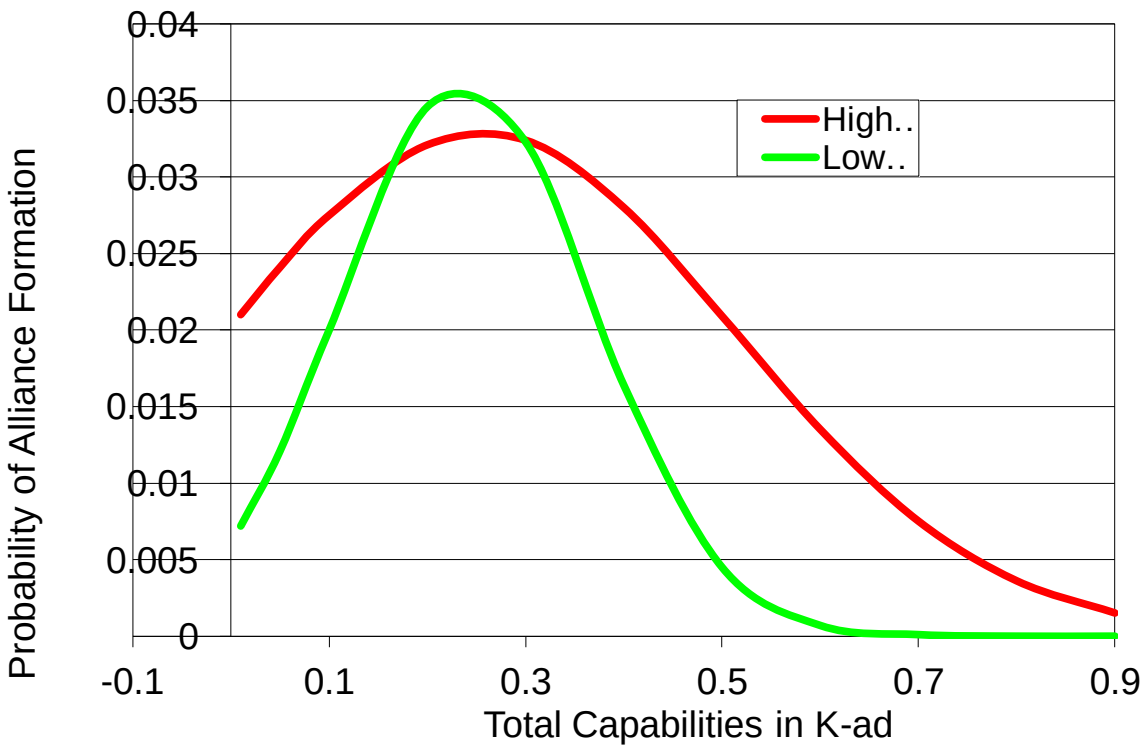
```
       i_482 |  -.3590638   .8330413    -0.43   0.666    -1.991795    1.273667
       i_483 |   .5084637   .8004323     0.64   0.525    -1.060355    2.077282
       i_484 |          0  (omitted)
       i_490 |   1.085855   1.204063     0.90   0.367    -1.274065    3.445776
       i_500 |   3.013219   1.336719     2.25   0.024     .3932986     5.63314
       i_501 |   .3717897   1.215911     0.31   0.760    -2.011351    2.754931
       i_511 |          0  (omitted)
       i_516 |          0  (omitted)
       i_517 |          0  (omitted)
       i_520 |   1.118036   .7236051     1.55   0.122    -.3002043    2.536276
       i_522 |   1.313124   .7660363     1.71   0.086    -.1882799    2.814527
       i_530 |    1.13134     .67701     1.67   0.095     -.195575    2.458255
       i_531 |          0  (omitted)
       i_540 |   2.105451   1.618957     1.30   0.193    -1.067646    5.278547
       i_541 |          0  (omitted)
       i_552 |          0  (omitted)
       i_560 |   .6717297   1.073485     0.63   0.531    -1.432263    2.775722
       i_565 |          0  (omitted)
       i_570 |          0  (omitted)
       i_571 |          0  (omitted)
       i_580 |          0  (omitted)
       i_581 |   .2624449   1.147327     0.23   0.819    -1.986275    2.511165
       i_591 |          0  (omitted)
       i_600 |   1.337058   .5594728     2.39   0.017     .2405112    2.433604
       i_615 |   1.722032   .6760412     2.55   0.011     .3970155    3.047048
       i_616 |   .9987681   1.232406     0.81   0.418    -1.416703    3.414239
       i_620 |   1.379048   .4818569     2.86   0.004     .4346257     2.32347
       i_625 |  -.6105885   .8931344    -0.68   0.494      -2.3611    1.139923
       i_640 |  -.3257932   .4456442    -0.73   0.465     -1.19924    .5476534
       i_645 |   1.053808   .5558142     1.90   0.058    -.0355674    2.143184
       i_651 |   1.250047   .4705953     2.66   0.008     .3276975    2.172397
       i_652 |   1.245475   .5549506     2.24   0.025     .1577923    2.333159
       i_660 |  -.4816104   1.124565    -0.43   0.668    -2.685718    1.722497
       i_663 |   1.509262   .7534523     2.00   0.045     .0325222    2.986001
       i_670 |   1.275498   .6901489     1.85   0.065    -.0771687    2.628165
       i_679 |          0  (omitted)
       i_680 |          0  (omitted)
       i_690 |  -.5886924   1.247116    -0.47   0.637    -3.032996    1.855611
       i_694 |          0  (omitted)
       i_696 |          0  (omitted)
       i_703 |   4.387646   1.299198     3.38   0.001     1.841265    6.934027
       i_704 |   1.764196   .8198767     2.15   0.031     .1572672    3.371125
       i_705 |   1.743416   .7220017     2.41   0.016     .3283182    3.158513
       i_710 |  -.3058136   .6034992    -0.51   0.612     -1.48865     .877023
       i_713 |   .3345763   1.085413     0.31   0.758    -1.792795    2.461947
       i_730 |   .4313632   1.092216     0.39   0.693     -1.70934    2.572067
       i_740 |  -.4121076   .5182735    -0.80   0.427    -1.427905    .6036899
       i_770 |   1.118057   1.094187     1.02   0.307    -1.026509    3.262624
       i_790 |          0  (omitted)
       i_800 |   1.212359   1.146678     1.06   0.290    -1.035089    3.459808
       i_812 |          0  (omitted)
       i_820 |   1.832363   .9804953     1.87   0.062    -.0893722    3.754099
       i_835 |          0  (omitted)
       i_910 |          0  (omitted)
       i_935 |          0  (omitted)
       i_940 |          0  (omitted)
       i_946 |          0  (omitted)
       i_947 |          0  (omitted)
       i_970 |          0  (omitted)
       i_983 |          0  (omitted)
       _cons |  -5.083112   .5320234    -9.55   0.000    -6.125859   -4.040366
------------------------------------------------------------------------------
```

ROBUSTNESS: Conditioning on the Size of the Threat

```
. * Normal Model
. logit defpact total_cinc total_cinc_square noallyrs _prefail _spline1 _spline2 _spline3

Iteration 0:   log likelihood = -1442.7108
Iteration 1:   log likelihood = -1383.3027
Iteration 2:   log likelihood = -1370.9245
Iteration 3:   log likelihood = -1370.1957
Iteration 4:   log likelihood = -1370.1881
Iteration 5:   log likelihood = -1370.1881

Logit estimates                                   Number of obs   =      23075
                                                  LR chi2(7)      =     145.05
                                                  Prob > chi2     =     0.0000
Log likelihood = -1370.1881                       Pseudo R2       =     0.0503

------------------------------------------------------------------------------
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   9.668159   1.268448     7.62   0.000     7.182046    12.15427
total_cinc~e |  -16.70782   2.825494    -5.91   0.000    -22.24568   -11.16995
    noallyrs |  -.1363911   .0366523    -3.72   0.000    -.2082282    -.064554
    _prefail |  -1.471865   .2039224    -7.22   0.000    -1.871546   -1.072185
    _spline1 |  -.0008146   .0002594    -3.14   0.002    -.0013231   -.0003062
    _spline2 |   .0003803   .0001275     2.98   0.003     .0001303    .0006302
    _spline3 |  -.0000404   .0000177    -2.29   0.022    -.0000751   -5.78e-06
       _cons |  -3.957077   .1668297   -23.72   0.000    -4.284057   -3.630097
------------------------------------------------------------------------------

.
```

```
. * Model with threat above mean
. logit defpact total_cinc total_cinc_square noallyrs _prefail _spline1 _spline2 _spline3 if
> total_threat>=`mean'

Iteration 0:   log likelihood = -596.64126
Iteration 1:   log likelihood = -574.39865
Iteration 2:   log likelihood = -570.28472
Iteration 3:   log likelihood = -569.94694
Iteration 4:   log likelihood = -569.94294
Iteration 5:   log likelihood = -569.94294

Logit estimates                                   Number of obs   =       6647
                                                  LR chi2(7)      =      53.40
                                                  Prob > chi2     =     0.0000
Log likelihood = -569.94294                       Pseudo R2       =     0.0447

------------------------------------------------------------------------------
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   3.954117   1.702042     2.32   0.020     .6181761    7.290057
total_cinc~e |  -7.899017   3.162613    -2.50   0.013    -14.09762   -1.700409
    noallyrs |   -.060504   .0548289    -1.10   0.270    -.1679667    .0469588
    _prefail |   -1.59474   .3138555    -5.08   0.000    -2.209886   -.9795946
    _spline1 |  -.0001921   .0004027    -0.48   0.633    -.0009814    .0005972
    _spline2 |   .0000409    .000205     0.20   0.842    -.0003609    .0004426
    _spline3 |   .0000185   .0000324     0.57   0.567     -.000045    .0000821
       _cons |  -3.462707   .2629358   -13.17   0.000    -3.978052   -2.947362
------------------------------------------------------------------------------

.
```

```
. * Model with threat below mean
. logit defpact total_cinc total_cinc_square noallyrs _prefail _spline1 _spline2 _spline3 if
> total_threat<`mean'

Iteration 0:   log likelihood = -830.20946
Iteration 1:   log likelihood =   -794.501
Iteration 2:   log likelihood = -782.79343
Iteration 3:   log likelihood = -782.12034
Iteration 4:   log likelihood = -782.11228
Iteration 5:   log likelihood = -782.11228

Logit estimates                                   Number of obs   =      16428
                                                  LR chi2(7)      =      96.19
                                                  Prob > chi2     =     0.0000
Log likelihood = -782.11228                       Pseudo R2       =     0.0579

------------------------------------------------------------------------------
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   14.96729    2.34566     6.38   0.000     10.36988     19.5647
total_cinc~e |  -32.05448   7.408054    -4.33   0.000      -46.574   -17.53496
    noallyrs |  -.1875469   .0503449    -3.73   0.000     -.286221   -.0888728
    _prefail |  -1.406173   .2687561    -5.23   0.000    -1.932925   -.8794203
    _spline1 |  -.0012005   .0003537    -3.39   0.001    -.0018937   -.0005072
    _spline2 |   .0005764   .0001722     3.35   0.001      .000239    .0009139
    _spline3 |  -.0000681   .0000229    -2.97   0.003     -.000113   -.0000231
       _cons |  -4.127125   .2188225   -18.86   0.000    -4.556009   -3.698241
------------------------------------------------------------------------------
```


Threats, Total Capabilities, and Alliance Formation
Probability of Alliance Formation
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
-0.1
0.1
0.3
0.5
0.7
0.9
Total Capabilities in K-ad
High..
Low..

ROBUSTNESS: Controlling for Average Distance, not Maximum Distance

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square avg_distance prop_contig
> noallyrs _prefail _spline1 _spline2 _spline3
(10312 missing values generated)


Corrected logit estimates                           Number of obs =    12763

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   17.19958   2.502471     6.87   0.000     12.29482    22.10433
total_cinc~e |  -29.13995   6.929627    -4.21   0.000    -42.72177   -15.55813
      nummem |    .088535   .0564148     1.57   0.117     -.022036    .1991059
nummem_squ~e |  -.0021847   .0019493    -1.12   0.262    -.0060052    .0016358
avg_distance |  -.0002426   .0000457    -5.30   0.000    -.0003322   -.0001529
 prop_contig |   .2647896   .2555633     1.04   0.300    -.2361054    .7656845
    noallyrs |  -.0791441   .0544965    -1.45   0.146    -.1859552     .027667
    _prefail |   -3.34111   .3573758    -9.35   0.000    -4.041554   -2.640667
    _spline1 |  -.0007759   .0003729    -2.08   0.037    -.0015068    -.000045
    _spline2 |   .0004254   .0001817     2.34   0.019     .0000692    .0007817
    _spline3 |  -.0000703   .0000248    -2.84   0.005    -.0001188   -.0000217
       _cons |   -3.43838   .3541516    -9.71   0.000    -4.132505   -2.744256
------------------------------------------------------------------------------
```

ROBUSTNESS: Alternative Draws of ``Non-Event'' *K*-ads

Variable	Obs	Mean	Std. Dev.	Min	Max
b1	1000	8.579632	.5171634	6.902876	10.0971
s1	1000	1.260284	.0283795	1.157086	1.358039
b2	1000	-14.19395	.9605884	-17.03249	-10.94605
s2	1000	2.996689	.104717	2.627972	3.363551

Note 1: ``bl'' corresponds to the coefficient on the *Total Capabilities* variable, ``s1'' corresponds to the coefficient on the *Total Capabilities* variable, ``b2'' corresponds to the coefficient on the *Total Capabilities Square* variable, and ``s2'' corresponds to the coefficient on the *Total Capabilities Square* variable.

The results show that regardless of the draw, our substantive findings hold (though the size of the exact values of the coefficients do change). Specifically, the coefficient on Total Capabilities ranges from 6.9 to 10.1 with a mean value of 8.58 (and a standard error ranging from 1.16 to 1.35 with a mean value of 1.26) and the coefficient on Total Capabilities Square ranges from -17.03 to -10.94, with a mean value of -14.19 (and a standard error ranging from 2.62 to 3.3, with a mean value 2.99)

ROBUSTNESS: Alternative Measures of Threat

```
. ** Model with Average Threat

. relogit defpact total_cinc total_cinc_square nummem nummem_square  kad_max_distance prop_c
> ontig max_pol_dif avg_threat min_pol average_s noallyrs _prefail _spline1 _spline2 _spline
> 3


Corrected logit estimates                           Number of obs =    22355

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.468606   1.481951     4.36   0.000     3.564035    9.373177
total_cinc~e |  -10.94737     3.3442    -3.27   0.001    -17.50188   -4.392856

      nummem |   .3490662   .0698688     5.00   0.000     .2121258    .4860065
nummem_squ~e |  -.0078214   .0024076    -3.25   0.001    -.0125402   -.0031025
kad_max_di~e |  -.0001895   .0000372    -5.09   0.000    -.0002625   -.0001165
 prop_contig |   .5039056   .1866006     2.70   0.007     .1381752    .8696361
 max_pol_dif |   -.004565   .0124486    -0.37   0.714    -.0289637    .0198338

  avg_threat |   .6869199   .3963232     1.73   0.083    -.0898593    1.463699

     min_pol |  -3.31e-07   .0155978    -0.00   1.000    -.0305714    .0305707
   average_s |   1.005734   .3838682     2.62   0.009     .2533661    1.758102
    noallyrs |  -.1430661   .0392184    -3.65   0.000    -.2199328   -.0661994
    _prefail |  -1.710344   .2324093    -7.36   0.000    -2.165858    -1.25483
    _spline1 |  -.0009309    .000275    -3.38   0.001    -.0014699   -.0003918
    _spline2 |   .0004421   .0001341     3.30   0.001     .0001792     .000705
    _spline3 |  -.0000496   .0000179    -2.77   0.006    -.0000847   -.0000145
       _cons |  -5.424082   .4710227   -11.52   0.000     -6.34727   -4.500895
------------------------------------------------------------------------------
```

```
. ** Model with Maximum Threat

. relogit defpact total_cinc total_cinc_square nummem nummem_square  kad_max_distance prop_c
> ontig max_pol_dif max_threat min_pol average_s noallyrs _prefail _spline1 _spline2 _spline
> 3


Corrected logit estimates                             Number of obs =    22355

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.951406   1.459087     4.76   0.000     4.091648    9.811165
total_cinc~e |  -11.60376   3.350007    -3.46   0.001    -18.16965   -5.037863

      nummem |   .3360037    .069345     4.85   0.000     .2000901    .4719174
nummem_squ~e |  -.0074668   .0023673    -3.15   0.002    -.0121067   -.0028269
kad_max_di~e |  -.0001914   .0000369    -5.19   0.000    -.0002637   -.0001192
 prop_contig |   .5277784   .1858493     2.84   0.005     .1635206    .8920363
 max_pol_dif |  -.0103976   .0123089    -0.84   0.398    -.0345226    .0137274

  max_threat |  -.0284221   .3291574    -0.09   0.931    -.6735588    .6167145

     min_pol |  -.0105277    .015291    -0.69   0.491    -.0404975    .0194421
   average_s |   .9156146    .401706     2.28   0.023     .1282852    1.702944
    noallyrs |  -.1389817   .0393395    -3.53   0.000    -.2160857   -.0618778
    _prefail |  -1.722356   .2328418    -7.40   0.000    -2.178717   -1.265994
    _spline1 |   -.000908   .0002748    -3.30   0.001    -.0014465   -.0003695
    _spline2 |   .0004316   .0001339     3.22   0.001     .0001692    .0006939
    _spline3 |  -.0000486   .0000178    -2.72   0.006    -.0000835   -.0000136
       _cons |  -5.154038   .4887195   -10.55   0.000    -6.111911   -4.196165
------------------------------------------------------------------------------
```

```
. ** Model with Minimum Threat
. relogit defpact total_cinc total_cinc_square nummem nummem_square  kad_max_distance prop_c
> ontig max_pol_dif min_threat min_pol average_s noallyrs _prefail _spline1 _spline2 _spline
> 3


Corrected logit estimates                         Number of obs =    21532

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   6.831915   1.499263     4.56   0.000     3.893413    9.770417
total_cinc~e |  -11.63559   3.439413    -3.38   0.001    -18.37672   -4.894462

      nummem |   .3453139   .0688414     5.02   0.000     .2103871    .4802406
nummem_squ~e |  -.0077413   .0023896    -3.24   0.001    -.0124248   -.0030577
kad_max_di~e |  -.0001948   .0000391    -4.98   0.000    -.0002714   -.0001182
 prop_contig |   .4890815    .189824     2.58   0.010     .1170334    .8611297
 max_pol_dif |    -.00023   .0124413    -0.02   0.985    -.0246145    .0241546

  min_threat |   1.156641   .4095101     2.82   0.005     .3540162    1.959266

     min_pol |   .0055342   .0153502     0.36   0.718    -.0245517    .0356201
   average_s |   .8887907   .3731306     2.38   0.017     .1574681    1.620113
    noallyrs |  -.1587522   .0401444    -3.95   0.000    -.2374337   -.0800707
    _prefail |  -1.728693   .2410877    -7.17   0.000    -2.201216    -1.25617
    _spline1 |  -.0010558   .0002798    -3.77   0.000    -.0016042   -.0005074
    _spline2 |    .000504   .0001362     3.70   0.000     .0002372    .0007709
    _spline3 |  -.0000575   .0000181    -3.18   0.001    -.0000929    -.000022
       _cons |  -5.387871   .4622762   -11.66   0.000    -6.293916   -4.481827
------------------------------------------------------------------------------
```

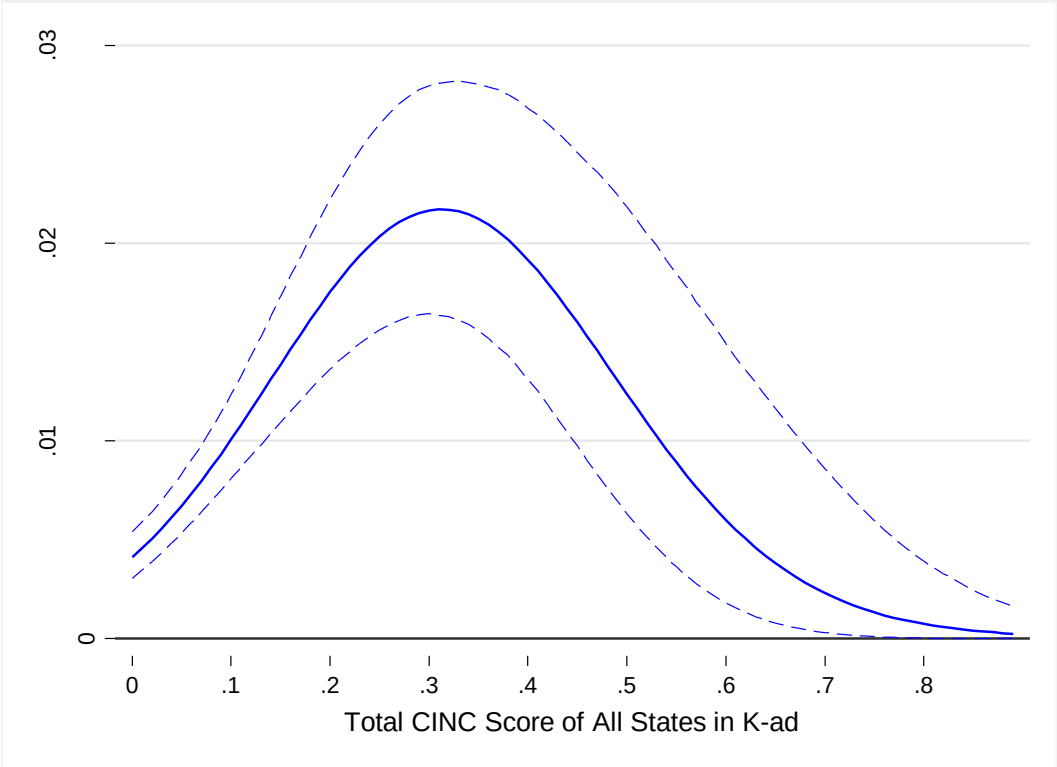
ROBUSTNESS: USE ALL ALLIANCES (NOT JUST DEFENSE PACTS)

NOTE: Results produced using a sample of `non-event' k-ads that is twice the size of event k-ads.

Corrected logit estimates — Number of obs = 33779

defpact	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
total_cinc	9.624374	1.099248	8.76	0.000	7.469887	11.77886
total_cinc~e	-16.47723	2.67302	-6.16	0.000	-21.71625	-11.2382
nummem	.0741879	.0296294	2.50	0.012	.0161153	.1322606
nummem_squ~e	-.0011472	.0009111	-1.26	0.208	-.0029329	.0006385
noallyrs	-.121435	.0337209	-3.60	0.000	-.1875268	-.0553432
_prefail	-1.123335	.177461	-6.33	0.000	-1.471152	-.7755177
_spline1	-.000477	.0002645	-1.80	0.071	-.0009954	.0000414
_spline2	.0001606	.0001372	1.17	0.242	-.0001082	.0004295
_spline3	.000013	.000019	0.68	0.495	-.0000243	.0000502
_cons	-4.257447	.165915	-25.66	0.000	-4.582635	-3.93226

The above regression output produces the following graph, which is very similar to the graph produced using just defensive pacts.



ROBUSTNESS: Over Sample for Major Power Presence

Note on Procedure for Oversampling: Creating a dataset that ``oversamples'' on the major powers is a very interesting suggestion. To accomplish this, we ran a new test in which the non-event observations are randomly generated as before, but with a small adjustment. Specifically, when the algorithm identifies the first member of a k-ad, it generates a random number between 0 and 1. If the number is greater than or equal to 0.5, the first member of the k-ad is drawn from a list exclusively comprised of the major powers. If the number is less than 0.5, the first member of the k-ad is drawn from the regular list of countries (which includes the major powers).

With Random Number threshold set to 0.5

```
** Summary of Major Power Presence:

. sum prop_majpow
    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     26582    .3384574      .31129          0          1

. sum prop_majpow if prop_majpow>0
    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     16559    .5433224    .2103428   .0208333          1
. local N2 = r(N)

. di "Proportion with Major Power = " `N2'/`N1'
Proportion with Major Power = .62294034

* Results Using Oversampled Dataset

. relogit defpact total_cinc total_cinc_square nummem nummem_square /*prop_majpow*/ noallyrs
_prefail _spline1 _spline2 _spline3

Corrected logit estimates                           Number of obs =    26582

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   2.752366     1.2455     2.21   0.027     .3112308    5.193501
total_cinc~e |  -5.070599   2.322237    -2.18   0.029      -9.6221   -.5190978
     nummem |   .1357147   .0358268     3.79   0.000     .0654954    .2059339
nummem_squ~e |  -.0023708   .0011575    -2.05   0.041    -.0046395   -.0001021
    noallyrs |  -.0851473   .0368796    -2.31   0.021    -.1574299   -.0128647
    _prefail |  -1.140116   .2273261    -5.02   0.000    -1.585667   -.6945655
    _spline1 |  -.0004803   .0002331    -2.06   0.039    -.0009372   -.0000233
    _spline2 |   .0002557   .0001258     2.03   0.042     9.14e-06    .0005022
    _spline3 |  -.0000341   .0000185    -1.84   0.066    -.0000703    2.19e-06
       _cons |  -4.511503   .2224338   -20.28   0.000    -4.947465   -4.075541
------------------------------------------------------------------------------
```

Probability when using results from oversampled data

					-
2.75	-5.07	-4.51	0.01	4.48301	0.011173
					-
			0.05	4.38518	0.012307
			0.1	-4.2857	0.013577
			0.2	-4.1628	0.015325
			0.3	-4.1413	0.015653
			0.4	-4.2212	0.014469
			0.5	-4.4025	0.012099
			0.6	-4.6852	0.009146
			0.7	-5.0693	0.006248
			0.8	-5.5548	0.003854
			0.9	-6.1417	0.002147

With Random Number threshold set to 0.6

```
** Summary of Major Power Presence:

. sum prop_majpow
    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     25471    .3046614    .3210562          0          1

. sum prop_majpow if prop_majpow>0
    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     14102    .5502788    .2258669   .0208333          1

. di "Proportion with Major Power = " `N2'/`N1'
Proportion with Major Power = .55364925

* Results Using Oversampled Dataset
. relogit defpact total_cinc total_cinc_square nummem nummem_square /*prop_majpow*/ noal
> lyrs _prefail _spline1 _spline2 _spline3


Corrected logit estimates                           Number of obs =    25471

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   3.932052   1.183484     3.32   0.001     1.612467    6.251638
total_cinc~e |  -6.889216   2.271791    -3.03   0.002    -11.34184   -2.436588
      nummem |   .1162626   .0346328     3.36   0.001     .0483835    .1841416
nummem_squ~e |   -.001994   .0010953    -1.82   0.069    -.0041408    .0001529
    noallyrs |  -.0937963   .0396312    -2.37   0.018     -.171472   -.0161205
    _prefail |  -1.192709   .2255904    -5.29   0.000    -1.634858   -.7505604
    _spline1 |  -.0005694   .0002731    -2.08   0.037    -.0011048    -.000034
    _spline2 |   .0002619   .0001328     1.97   0.049     1.61e-06    .0005222
    _spline3 |  -.0000258   .0000177    -1.46   0.145    -.0000606    8.87e-06
       _cons |  -4.477905   .2190885   -20.44   0.000    -4.907311   -4.048499
------------------------------------------------------------------------------
```

With Random Number threshold set to 0.4

** Summary of Major Power Presence:

```
. sum prop_majpow
    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     25198    .3474309    .3104148          0          1

. sum prop_majpow if prop_majpow>0
   Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     16228    .5394727    .2145094   .0208333          1


. di "Proportion with Major Power = " `N2'/`N1'
Proportion with Major Power = .64401937

* Results Using Oversampled Dataset
. relogit defpact total_cinc total_cinc_square nummem nummem_square /*prop_majpow*/ noal
> lyrs _prefail _spline1 _spline2 _spline3


Corrected logit estimates                           Number of obs =    25198

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   1.333561   1.238609     1.08   0.282    -1.094069    3.761191
total_cinc~e |   -2.84707   2.250062    -1.27   0.206     -7.25711    1.562971
      nummem |   .1303678   .0362593     3.60   0.000     .0593009    .2014348
nummem_squ~e |   -.002319   .0012044    -1.93   0.054    -.0046796    .0000416
    noallyrs |  -.0917691   .0400992    -2.29   0.022     -.170362   -.0131762
    _prefail |   -1.19076   .2287471    -5.21   0.000    -1.639096   -.7424235
    _spline1 |  -.0005817   .0002789    -2.09   0.037    -.0011283   -.0000351
    _spline2 |   .0002765   .0001376     2.01   0.045     6.77e-06    .0005463
    _spline3 |  -.0000323   .0000196    -1.64   0.100    -.0000708    6.20e-06
       _cons |  -4.403298   .2246155   -19.60   0.000    -4.843536    -3.96306
------------------------------------------------------------------------------
```

With Random Number threshold set to 0.3

```
** Summary of Major Power Presence:


. sum prop_majpow

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     27164    .3619895    .2982876          0          1

. local N1 = r(N)

.
. sum prop_majpow if prop_majpow>0

    Variable |       Obs        Mean    Std. Dev.       Min        Max
-------------+--------------------------------------------------------
 prop_majpow |     18719    .5252996     .208152   .0208333          1

. local N2 = r(N)

.
. di "Proportion with Major Power = " `N2'/`N1'
Proportion with Major Power = .68911059

* Results Using Oversampled Dataset
. relogit defpact total_cinc total_cinc_square nummem nummem_square /*prop_majpow*/ noal
> lyrs _prefail _spline1 _spline2 _spline3


Corrected logit estimates                           Number of obs =    27164

------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   .3981145   1.243563     0.32   0.749    -2.039223    2.835452
total_cinc~e |  -.9010252   2.167018    -0.42   0.678    -5.148302    3.346251
      nummem |   .1291851   .0389474     3.32   0.001     .0528496    .2055206
nummem_squ~e |  -.0024264   .0012958    -1.87   0.061    -.0049661    .0001132
    noallyrs |  -.0919525   .0362752    -2.53   0.011    -.1630506   -.0208543
    _prefail |  -1.068609   .2247864    -4.75   0.000    -1.509183   -.6280362
    _spline1 |  -.0004896   .0002265    -2.16   0.031    -.0009336   -.0000457
    _spline2 |   .0002441     .00012     2.03   0.042     8.83e-06    .0004793
    _spline3 |  -.0000243   .0000163    -1.49   0.136    -.0000563    7.66e-06
       _cons |  -4.364357   .2258475   -19.32   0.000     -4.80701   -3.921704
------------------------------------------------------------------------------
```

DISTRIBUTION OF K-ADS:

Distribution of ``Event'' k-ads

. tab nummem

nummem	Freq.	Percent	Cum.
2	155	58.27	58.27
3	29	10.90	69.17
4	12	4.51	73.68
5	10	3.76	77.44
6	6	2.26	79.70
7	4	1.50	81.20
8	2	0.75	81.95
9	3	1.13	83.08
10	3	1.13	84.21
11	1	0.38	84.59
12	3	1.13	85.71
13	2	0.75	86.47
14	3	1.13	87.59
15	2	0.75	88.35
16	2	0.75	89.10
17	1	0.38	89.47
18	1	0.38	89.85
19	3	1.13	90.98
20	3	1.13	92.11
21	3	1.13	93.23
22	2	0.75	93.98
23	1	0.38	94.36
24	1	0.38	94.74
25	1	0.38	95.11
27	2	0.75	95.86
29	1	0.38	96.24
30	1	0.38	96.62
31	1	0.38	96.99
32	2	0.75	97.74
34	2	0.75	98.50
43	1	0.38	98.87
45	1	0.38	99.25
47	1	0.38	99.62
48	1	0.38	100.00
Total	266	100.00	

Distribution of ``Non-event'' k-ads

. tab nummem

nummem	Freq.	Percent	Cum.
2	310	58.27	58.27
3	58	10.90	69.17
4	24	4.51	73.68
5	20	3.76	77.44
6	12	2.26	79.70
7	8	1.50	81.20
8	4	0.75	81.95
9	6	1.13	83.08
10	6	1.13	84.21
11	2	0.38	84.59
12	6	1.13	85.71
13	4	0.75	86.47
14	6	1.13	87.59
15	4	0.75	88.35
16	4	0.75	89.10
17	2	0.38	89.47
18	2	0.38	89.85
19	6	1.13	90.98
20	6	1.13	92.11
21	6	1.13	93.23
22	4	0.75	93.98
23	2	0.38	94.36
24	2	0.38	94.74
25	2	0.38	95.11
27	4	0.75	95.86
29	2	0.38	96.24
30	2	0.38	96.62
31	2	0.38	96.99
32	4	0.75	97.74
34	4	0.75	98.50
43	2	0.38	98.87
45	2	0.38	99.25
47	2	0.38	99.62
48	2	0.38	100.00
Total	532	100.00	

Main Results using alternative sized samples of ``non-event'' k-ads

Results using ``Non-Event'' K-ads Sample that is 3 times the ``Event'' K-ads Sample

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square max_pol_dif min_pol noal
> lyrs _prefail _spline1 _spline2 _spline3
(1567 missing values generated)

Corrected logit estimates                             Number of obs =    30769
------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   9.848314   1.233376     7.98   0.000     7.430942    12.26569
total_cinc~e |  -16.41044    2.79391    -5.87   0.000     -21.8864   -10.93447

      nummem |   .1329084   .0396994     3.35   0.001      .055099    .2107178
nummem_squ~e |  -.0021343    .001189    -1.80   0.073    -.0044646    .0001961
 max_pol_dif |  -.0665107   .0107782    -6.17   0.000    -.0876356   -.0453858
     min_pol |  -.0845097   .0114801    -7.36   0.000    -.1070102   -.0620091
    noallyrs |  -.1126434   .0399456    -2.82   0.005    -.1909354   -.0343515
    _prefail |  -1.114959   .2240907    -4.98   0.000    -1.554168    -.675749
    _spline1 |  -.0006641   .0002766    -2.40   0.016    -.0012062    -.000122
    _spline2 |   .0003048   .0001352     2.25   0.024     .0000398    .0005697
    _spline3 |  -.0000306   .0000184    -1.66   0.097    -.0000667    5.53e-06
       _cons |  -4.885803   .2334204   -20.93   0.000    -5.343299   -4.428308
------------------------------------------------------------------------------
```

Results using ``Non-Event'' K-ads Sample that is 4 times the ``Event'' K-ads Sample

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square noallyrs _prefail _splin
> e1 _spline2 _spline3

Corrected logit estimates                           Number of obs =    37652
------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   8.996874   1.142445     7.88   0.000     6.757723    11.23603
total_cinc~e |  -14.41763   2.648204    -5.44   0.000    -19.60802   -9.227247

      nummem |   .1116863   .0329396     3.39   0.001     .0471258    .1762468
nummem_squ~e |  -.0019228   .0010461    -1.84   0.066     -.003973    .0001275
    noallyrs |  -.0955308   .0414133    -2.31   0.021    -.1766994   -.0143622
    _prefail |  -.9511965   .2251383    -4.22   0.000     -1.39246   -.5099335
    _spline1 |  -.0006383   .0003099    -2.06   0.039    -.0012457    -.000031
    _spline2 |   .0003134   .0001569     2.00   0.046     5.95e-06    .0006209
    _spline3 |  -.0000327   .0000199    -1.64   0.100    -.0000716    6.30e-06
       _cons |  -5.160267   .2191765   -23.54   0.000    -5.589845   -4.730689
------------------------------------------------------------------------------
```

Results using ``Non-Event'' K-ads Sample that is 5 times the ``Event'' K-ads Sample

```
. relogit defpact total_cinc total_cinc_square nummem nummem_square noallyrs _prefail _splin
> e1 _spline2 _spline3

Corrected logit estimates                           Number of obs =    45902
------------------------------------------------------------------------------
             |               Robust
     defpact |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
  total_cinc |   7.286977   1.094086     6.66   0.000     5.142606    9.431347
total_cinc~e |  -11.00083   2.426244    -4.53   0.000    -15.75618   -6.245482

      nummem |   .1361533   .0342426     3.98   0.000      .069039    .2032677
nummem_squ~e |  -.0024456    .001109    -2.21   0.027    -.0046192    -.000272
    noallyrs |  -.0845232   .0400608    -2.11   0.035    -.1630409   -.0060055
    _prefail |  -.6864366   .2219709    -3.09   0.002    -1.121491   -.2513816
    _spline1 |   -.000523   .0002738    -1.91   0.056    -.0010596    .0000136
    _spline2 |   .0002507    .000133     1.88   0.060    -.0000101    .0005115
    _spline3 |  -.0000294   .0000178    -1.65   0.098    -.0000644    5.47e-06
       _cons |  -5.417313   .2252829   -24.05   0.000    -5.858859   -4.975767
------------------------------------------------------------------------------
```

Summary Statistics of Control Variables

Variable	Obs	Mean	Std. Dev.	Min	Max
Number of Members	38074	3.146951	4.125544	2	48
Number of Members^2	38074	26.92297	137.2913	4	2304
Max Distance	34118	4110.008	3277.357	0	12244
Prop. Contiguous	37896	.1308817	.322245	0	1
Max Polity Diff.	38074	6.851867	7.34936	0	20
Average Threat	38074	.8517615	1.156511	0	18.84993
Minimum Polity	36204	-2.831041	6.979847	-10	10
Average S Score	37896	.5483516	.3462469	-.168831	1
Non-alliance Years	38074	27.71069	28.91733	0	184