```
      name:  <unnamed>
       log:  /Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/log.smcl
  log type:  smcl
 opened on:  21 Oct 2016, 16:15:48

1 . use "/Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/DifferentialEffectWarJLC.d
  > ta"
  no; data in memory would be lost
  r(4);

2 . save "/Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/DifferentialEffectWarJLC.
  > dta", replace
  file /Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/DifferentialEffectWarJLC.dta
  >  saved

3 . do "/var/folders/2v/3nhdznwj36nbdm847fzjsd_c0000gp/T//SD00376.000000"

4 . use "/Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/DifferentialEffectWarJLC.d
  > ta"

5 . xtlogit civLibAndCrim_lib wartime GHP crim wartimeGHP crimGHP wartimeCrim crimWartimeGHP casualties partyca
  > p lowerlib warissue govresp circuit1 circuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit
  > 10 circuit11 circuit12 if year> 1949, vce(robust)

  Fitting comparison model:

  Iteration 0:   log pseudolikelihood = -9115.2733
  Iteration 1:   log pseudolikelihood = -8694.3809
  Iteration 2:   log pseudolikelihood = -8681.2824
  Iteration 3:   log pseudolikelihood = -8681.2734
  Iteration 4:   log pseudolikelihood = -8681.2734

  Fitting full model:

  tau =  0.0     log pseudolikelihood = -8681.2734
  tau =  0.1     log pseudolikelihood = -8640.7113
  tau =  0.2     log pseudolikelihood = -8655.7231

  Iteration 0:   log pseudolikelihood =  -8640.731
  Iteration 1:   log pseudolikelihood =  -8638.687
  Iteration 2:   log pseudolikelihood = -8638.6767
  Iteration 3:   log pseudolikelihood = -8638.6767

  Calculating robust standard errors:

  Random-effects logistic regression              Number of obs      =     16320
  Group variable: codej                           Number of groups   =       472

  Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                                 avg =      34.6
                                                                 max =       218

  Integration method: mvaghermite                 Integration points =        12
```

Wald chi2(**23**) = **638.54**
Log pseudolikelihood = **-8638.6767** Prob > chi2 = **0.0000**

(Std. Err. adjusted for **472** clusters in codej)

civLibAndCrim_lib	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.2652495	.0868939	-3.05	0.002	-.4355584	-.0949407
GHP	-.9662066	.1571449	-6.15	0.000	-1.274205	-.6582082
crim	-.8383306	.0614126	-13.65	0.000	-.9586971	-.7179641
wartimeGHP	.6717851	.2480053	2.71	0.007	.1857037	1.157867
crimGHP	.4022912	.1741059	2.31	0.021	.06105	.7435325
wartimeCrim	.4496142	.094243	4.77	0.000	.2649013	.634327
crimWartimeGHP	-.7401445	.2919909	-2.53	0.011	-1.312436	-.1678527
casualties	-.0114397	.0025683	-4.45	0.000	-.0164735	-.0064058
partycap	.0640907	.0122963	5.21	0.000	.0399905	.088191
lowerlib	-.3110437	.0866105	-3.59	0.000	-.4807972	-.1412902
warissue	.2874538	.1757928	1.64	0.102	-.0570938	.6320013
govrespondent	-.7378471	.081257	-9.08	0.000	-.8971078	-.5785864
circuit1	.3371873	.1360072	2.48	0.013	.0706181	.6037564
circuit2	.0061832	.1437083	0.04	0.966	-.2754799	.2878463
circuit3	.3333486	.1213931	2.75	0.006	.0954224	.5712747
circuit4	.5465553	.1198554	4.56	0.000	.3116431	.7814675
circuit5	.5490983	.1314488	4.18	0.000	.2914634	.8067333
circuit6	.2866986	.1158238	2.48	0.013	.0596883	.513709
circuit7	.4418611	.1212165	3.65	0.000	.2042811	.6794412
circuit9	-.2103247	.1212313	-1.73	0.083	-.4479337	.0272842
circuit10	.3971012	.1197428	3.32	0.001	.1624095	.6317928
circuit11	.1830149	.1094091	1.67	0.094	-.0314231	.3974528
circuit12	.1782755	.2152779	0.83	0.408	-.2436613	.6002124
_cons	.1344552	.1250898	1.07	0.282	-.1107163	.3796266
/lnsig2u	-2.201344	.1819255			-2.557911	-1.844776
sigma_u	.3326475	.0302585			.2783278	.3975684
rho	.0325404	.0057273			.0230053	.0458422

```
6 . xtlogit civLibAndCrim_lib wartime crim wartimeCrim casualties partycap lowerlib warissue govresp circuit1 c
> ircuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 &
>  GHP<=0, vce(robust)

Fitting comparison model:

Iteration 0:   log pseudolikelihood = -4657.0342
Iteration 1:   log pseudolikelihood =  -4433.224
Iteration 2:   log pseudolikelihood = -4429.9374
Iteration 3:   log pseudolikelihood = -4429.9367
Iteration 4:   log pseudolikelihood = -4429.9367

Fitting full model:
```

```
tau =  0.0     log pseudolikelihood = -4429.9367
tau =  0.1     log pseudolikelihood = -4408.8769
tau =  0.2     log pseudolikelihood = -4416.0845

Iteration 0:   log pseudolikelihood = -4408.8953
Iteration 1:   log pseudolikelihood = -4407.9184
Iteration 2:   log pseudolikelihood = -4407.9124
Iteration 3:   log pseudolikelihood = -4407.9124

Calculating robust standard errors:

Random-effects logistic regression              Number of obs      =      7798
Group variable: codej                           Number of groups   =       222

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =      35.1
                                                               max =       218

Integration method: mvaghermite                 Integration points =        12

                                                Wald chi2(19)      =    375.09
Log pseudolikelihood  = -4407.9124              Prob > chi2        =    0.0000

                                  (Std. Err. adjusted for 222 clusters in codej)
```

civLibAndCrim_lib	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.5243215	.1284376	-4.08	0.000	-.7760546	-.2725884
crim	-1.011872	.0881075	-11.48	0.000	-1.18456	-.8391848
wartimeCrim	.7425654	.1377467	5.39	0.000	.4725867	1.012544
casualties	-.0106088	.0030578	-3.47	0.001	-.0166019	-.0046157
partycap	.0382334	.015474	2.47	0.013	.0079049	.0685619
lowerlib	-.1565621	.1122702	-1.39	0.163	-.3766076	.0634835
warissue	.6174757	.2594289	2.38	0.017	.1090044	1.125947
govrespondent	-.6881108	.106661	-6.45	0.000	-.8971624	-.4790591
circuit1	.411714	.2085307	1.97	0.048	.0030014	.8204266
circuit2	-.1418231	.1922929	-0.74	0.461	-.5187102	.2350641
circuit3	.0704542	.1714123	0.41	0.681	-.2655078	.4064163
circuit4	.2868388	.1611142	1.78	0.075	-.0289393	.6026169
circuit5	.7525216	.1798657	4.18	0.000	.3999914	1.105052
circuit6	-.0740991	.1780927	-0.42	0.677	-.4231544	.2749562
circuit7	.4018432	.1832865	2.19	0.028	.0426082	.7610781
circuit9	-.1568103	.1905555	-0.82	0.411	-.5302921	.2166716
circuit10	.3655134	.186461	1.96	0.050	.0000566	.7309702
circuit11	.1091171	.1700455	0.64	0.521	-.2241659	.4424001
circuit12	.1303856	.3591033	0.36	0.717	-.573444	.8342152
_cons	.4174385	.1802075	2.32	0.021	.0642382	.7706388
/lnsig2u	-2.215053	.2675682			-2.739477	-1.690629
sigma_u	.3303751	.0441989			.2541734	.4294222
rho	.0321116	.0083161			.0192591	.0530769

```
7 . xtlogit civLibAndCrim_lib wartime crim wartimeCrim casualties partycap lowerlib warissue govresp circuit1 c
  > ircuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 &
  >  GHP>0, vce(robust)

  Fitting comparison model:

  Iteration 0:   log pseudolikelihood =  -5689.303
  Iteration 1:   log pseudolikelihood = -5484.6866
  Iteration 2:   log pseudolikelihood = -5474.5763
  Iteration 3:   log pseudolikelihood = -5474.5645
  Iteration 4:   log pseudolikelihood = -5474.5645

  Fitting full model:

  tau =  0.0     log pseudolikelihood = -5474.5645
  tau =  0.1     log pseudolikelihood = -5459.1365
  tau =  0.2     log pseudolikelihood = -5469.8274

  Iteration 0:   log pseudolikelihood = -5459.1395
  Iteration 1:   log pseudolikelihood = -5457.9814
  Iteration 2:   log pseudolikelihood = -5457.9806
  Iteration 3:   log pseudolikelihood = -5457.9806

  Calculating robust standard errors:

  Random-effects logistic regression              Number of obs      =     10979
  Group variable: codej                           Number of groups   =       932

  Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                                 avg =      11.8
                                                                 max =       175

  Integration method: mvaghermite                 Integration points =        12

                                                  Wald chi2(19)      =    366.64
  Log pseudolikelihood  = -5457.9806              Prob > chi2        =    0.0000

                                  (Std. Err. adjusted for 932 clusters in codej)
------------------------------------------------------------------------------
civLibAndCrim_lib |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
          wartime |  -.0555835   .1082249    -0.51   0.608    -.2677005    .1565335
             crim |  -.6378033   .0749981    -8.50   0.000    -.7847969   -.4908097
      wartimeCrim |   .2099802   .1171779     1.79   0.073    -.0196844    .4396447
       casualties |  -.0082286    .004174    -1.97   0.049    -.0164094   -.0000477
         partycap |   .0914034   .0168378     5.43   0.000     .058402    .1244048
         lowerlib |  -.5034487   .1133821    -4.44   0.000    -.7256736   -.2812238
         warissue |   .1643905   .2216674     0.74   0.458    -.2700696    .5988506
    govrespondent |  -.8291116   .1036796    -8.00   0.000     -1.03232   -.6259034
         circuit1 |   .1403329   .1654578     0.85   0.396    -.1839584    .4646241
         circuit2 |   .0557659   .1683937     0.33   0.741    -.2742797    .3858115
         circuit3 |   .3786832   .1659458     2.28   0.022     .0534354    .7039309
```

circuit4	.8214875	.1549484	5.30	0.000	.5177943	1.125181
circuit5	.2915481	.1506307	1.94	0.053	-.0036827	.5867788
circuit6	.304854	.1406873	2.17	0.030	.0291119	.5805961
circuit7	.141401	.1438856	0.98	0.326	-.1406096	.4234116
circuit9	-.4460938	.1411745	-3.16	0.002	-.7227908	-.1693969
circuit10	.1827342	.1384932	1.32	0.187	-.0887075	.454176
circuit11	.0851536	.1440245	0.59	0.554	-.1971292	.3674364
circuit12	.160724	.169084	0.95	0.342	-.1706746	.4921227
_cons	.0907662	.1635422	0.56	0.579	-.2297707	.4113031
/lnsig2u	-2.30858	.2586806			-2.815584	-1.801575
sigma_u	.3152814	.0407786			.2446829	.4062496
rho	.0293285	.0073642			.017873	.0477694

```
8 . xtlogit civLibAndCrim_lib wartime GHP wartimeGHP casualties partycap lowerlib warissue govresp circuit1 cir
  > cuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & c
  > rim==1, vce(robust)
  note: warissue omitted because of collinearity

  Fitting comparison model:

  Iteration 0:   log pseudolikelihood = -6963.6449
  Iteration 1:   log pseudolikelihood = -6817.0023
  Iteration 2:   log pseudolikelihood =  -6814.579
  Iteration 3:   log pseudolikelihood = -6814.5782
  Iteration 4:   log pseudolikelihood = -6814.5782

  Fitting full model:

  tau =  0.0     log pseudolikelihood = -6814.5782
  tau =  0.1     log pseudolikelihood = -6783.9513
  tau =  0.2     log pseudolikelihood = -6793.7454

  Iteration 0:   log pseudolikelihood = -6783.9512
  Iteration 1:   log pseudolikelihood = -6782.1213
  Iteration 2:   log pseudolikelihood = -6782.1114
  Iteration 3:   log pseudolikelihood = -6782.1114

  Calculating robust standard errors:

  Random-effects logistic regression              Number of obs      =     13413
  Group variable: codej                           Number of groups   =       467

  Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                                 avg =      28.7
                                                                 max =       173

  Integration method: mvaghermite                 Integration points =        12

                                                  Wald chi2(18)      =    216.03
  Log pseudolikelihood  = -6782.1114              Prob > chi2        =    0.0000
```

(Std. Err. adjusted for **467** clusters in codej)

civLibAndCrim_lib	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	**.1595189**	**.0575832**	**2.77**	**0.006**	**.0466579**	**.2723799**
GHP	**-.5699628**	**.0995244**	**-5.73**	**0.000**	**-.7650272**	**-.3748985**
wartimeGHP	**-.0951551**	**.1557818**	**-0.61**	**0.541**	**-.4004819**	**.2101717**
casualties	**-.0090848**	**.0026014**	**-3.49**	**0.000**	**-.0141834**	**-.0039861**
partycap	**.0400851**	**.0161777**	**2.48**	**0.013**	**.0083774**	**.0717927**
lowerlib	**-.1509075**	**.124322**	**-1.21**	**0.225**	**-.3945742**	**.0927592**
warissue	**0**	(omitted)				
govrespondent	**-.6684646**	**.120292**	**-5.56**	**0.000**	**-.9042327**	**-.4326966**
circuit1	**.3780381**	**.1615095**	**2.34**	**0.019**	**.0614854**	**.6945909**
circuit2	**.0305641**	**.159839**	**0.19**	**0.848**	**-.2827145**	**.3438427**
circuit3	**.3770261**	**.1345378**	**2.80**	**0.005**	**.1133369**	**.6407153**
circuit4	**.48169**	**.1337995**	**3.60**	**0.000**	**.2194478**	**.7439321**
circuit5	**.6318164**	**.140071**	**4.51**	**0.000**	**.3572823**	**.9063506**
circuit6	**.3358933**	**.1222999**	**2.75**	**0.006**	**.0961899**	**.5755966**
circuit7	**.5435152**	**.1246255**	**4.36**	**0.000**	**.2992537**	**.7877767**
circuit9	**-.1947122**	**.135654**	**-1.44**	**0.151**	**-.4605892**	**.0711649**
circuit10	**.4167562**	**.1291213**	**3.23**	**0.001**	**.1636832**	**.6698292**
circuit11	**.1472969**	**.1187231**	**1.24**	**0.215**	**-.0853961**	**.37999**
circuit12	**.2260091**	**.1991047**	**1.14**	**0.256**	**-.164229**	**.6162473**
_cons	**-.8987559**	**.1769973**	**-5.08**	**0.000**	**-1.245664**	**-.5518476**
/lnsig2u	**-2.101473**	**.2058613**			**-2.504953**	**-1.697992**
sigma_u	**.3496802**	**.0359928**			**.2857961**	**.4278443**
rho	**.0358356**	**.0071128**			**.0242261**	**.052708**

```
9 . xtlogit civLibAndCrim_lib wartime GHP wartimeGHP casualties partycap lowerlib warissue govresp circuit1 cir
> cuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & c
> rim==0, vce(robust)

Fitting comparison model:

Iteration 0:   log pseudolikelihood = -1952.8213
Iteration 1:   log pseudolikelihood = -1854.7852
Iteration 2:   log pseudolikelihood = -1854.2267
Iteration 3:   log pseudolikelihood = -1854.2255
Iteration 4:   log pseudolikelihood = -1854.2255

Fitting full model:

tau =  0.0     log pseudolikelihood = -1854.2255
tau =  0.1     log pseudolikelihood = -1850.8691
tau =  0.2     log pseudolikelihood = -1853.8545

Iteration 0:   log pseudolikelihood = -1850.8691
Iteration 1:   log pseudolikelihood = -1850.5884
Iteration 2:   log pseudolikelihood = -1850.5881
Iteration 3:   log pseudolikelihood = -1850.5881
```

```
Calculating robust standard errors:

Random-effects logistic regression              Number of obs      =      2907
Group variable: codej                           Number of groups   =       423

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       6.9
                                                               max =        45

Integration method: mvaghermite                 Integration points =        12

                                                Wald chi2(19)      =    186.44
Log pseudolikelihood  = -1850.5881              Prob > chi2        =    0.0000

                                  (Std. Err. adjusted for 423 clusters in codej)
------------------------------------------------------------------------------
civLibAndCrim_lib |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
          wartime |   -.168818   .0970735    -1.74   0.082    -.3590786    .0214425
              GHP |  -.9386623   .1593767    -5.89   0.000    -1.251035   -.6262897
       wartimeGHP |   .6092766    .246898     2.47   0.014     .1253655    1.093188
       casualties |  -.0275848   .0075025    -3.68   0.000    -.0422895   -.0128802
         partycap |   .0959688   .0221137     4.34   0.000     .0526268    .1393108
         lowerlib |  -.4530055   .1294043    -3.50   0.000    -.7066333   -.1993777
         warissue |    .280048   .1767178     1.58   0.113    -.0663125    .6264084
    govrespondent |  -.7061788   .1225466    -5.76   0.000    -.9463657   -.4659919
         circuit1 |   .2946427   .1981756     1.49   0.137    -.0937744    .6830598
         circuit2 |    .095296   .2066334     0.46   0.645     -.309698     .50029
         circuit3 |   .2667943   .2150072     1.24   0.215     -.154612    .6882006
         circuit4 |    .78131   .1928536     4.05   0.000     .4033239    1.159296
         circuit5 |   .3340377   .1999766     1.67   0.095    -.0579093    .7259847
         circuit6 |   .2032461   .2032935     1.00   0.317    -.1952019     .601694
         circuit7 |   .0764798   .2372887     0.32   0.747    -.3885974     .541557
         circuit9 |  -.2331322   .1696099    -1.37   0.169    -.5655615    .0992971
        circuit10 |   .3791813   .2128437     1.78   0.075    -.0379847    .7963472
        circuit11 |   .4630412   .2059003     2.25   0.025     .0594839    .8665984
        circuit12 |  -.0098899   .3763549    -0.03   0.979    -.7475319    .7277521
            _cons |   .2376699   .1820028     1.31   0.192     -.119049    .5943888
------------------+-----------------------------------------------------------
        /lnsig2u |  -2.193427    .489628                     -3.153081   -1.233774
------------------+-----------------------------------------------------------
         sigma_u |   .3339668   .0817598                      .2066889    .5396216
             rho |   .0327905   .0155287                       .012819    .0813143
------------------------------------------------------------------------------

10 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP<=0 & crim==1
> , vce(robust)
note: warissue omitted because of collinearity

Fitting comparison model:
```

```
Iteration 0:   log pseudolikelihood = -3578.2577
Iteration 1:   log pseudolikelihood = -3513.3141
Iteration 2:   log pseudolikelihood =  -3512.408
Iteration 3:   log pseudolikelihood = -3512.4079

Fitting full model:

tau =  0.0     log pseudolikelihood = -3512.4079
tau =  0.1     log pseudolikelihood = -3497.3379
tau =  0.2     log pseudolikelihood = -3502.4796

Iteration 0:   log pseudolikelihood = -3497.3431
Iteration 1:   log pseudolikelihood = -3496.4088
Iteration 2:   log pseudolikelihood = -3496.4021
Iteration 3:   log pseudolikelihood = -3496.4021

Calculating robust standard errors:

Random-effects logistic regression              Number of obs      =      6417
Group variable: codej                           Number of groups   =       222

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =      28.9
                                                               max =       173

Integration method: mvaghermite                 Integration points =        12

                                                Wald chi2(16)      =    115.42
Log pseudolikelihood  = -3496.4021              Prob > chi2        =    0.0000

                                  (Std. Err. adjusted for 222 clusters in codej)
------------------------------------------------------------------------------
civLibAndCrim_lib |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
          wartime |   .2050326   .0781119     2.62   0.009      .051936    .3581291
       casualties |  -.0086511   .0030768    -2.81   0.005     -.0146814   -.0026207
          partycap |  -.0072299   .0198971    -0.36   0.716     -.0462274    .0317676
          lowerlib |   .2229244   .1497963     1.49   0.137      -.070671    .5165198
          warissue |          0  (omitted)
     govrespondent |  -.4641249   .1442998    -3.22   0.001     -.7469472   -.1813026
          circuit1 |   .4746063   .2265386     2.10   0.036      .0305988    .9186139
          circuit2 |  -.1074571   .2041639    -0.53   0.599     -.5076109    .2926967
          circuit3 |   .1065553   .1879333     0.57   0.571     -.2617873    .4748979
          circuit4 |   .2055579   .1668719     1.23   0.218     -.1215051    .5326209
          circuit5 |    .784411   .2015728     3.89   0.000      .3893355    1.179487
          circuit6 |  -.0092345   .1927496    -0.05   0.962     -.3870167    .3685477
          circuit7 |   .4877289   .1843616     2.65   0.008      .1263869     .849071
          circuit9 |  -.0711613   .2062312    -0.35   0.730     -.4753671    .3330445
         circuit10 |   .4242458    .200922     2.11   0.035      .0304459    .8180456
         circuit11 |   .1169508   .1838131     0.64   0.525     -.2433163    .4772179
         circuit12 |   .0892751   .3513623     0.25   0.799     -.5993823    .7779325
             _cons |  -1.039408   .2203652    -4.72   0.000     -1.471316   -.6075006
------------------------------------------------------------------------------
```

/lnsig2u	**-2.136785**	**.3075873**	**-2.739645**	**-1.533925**
sigma_u	**.3435603**	**.0528374**	**.2541521**	**.4644216**
rho	**.0346353**	**.0102844**	**.0192559**	**.0615273**

11 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP<=0 & crim==(
> , vce(robust)

Fitting comparison model:

Iteration 0: log pseudolikelihood = **-953.82686**
Iteration 1: log pseudolikelihood = **-907.17056**
Iteration 2: log pseudolikelihood = **-907.02237**
Iteration 3: log pseudolikelihood = **-907.02236**

Fitting full model:

tau = **0.0** log pseudolikelihood = **-907.02236**
tau = **0.1** log pseudolikelihood = **-904.74562**
tau = **0.2** log pseudolikelihood = **-905.91337**

Iteration 0: log pseudolikelihood = **-904.74562**
Iteration 1: log pseudolikelihood = **-904.54958**
Iteration 2: log pseudolikelihood = **-904.54916**
Iteration 3: log pseudolikelihood = **-904.54916**

Calculating robust standard errors:

Random-effects logistic regression — Number of obs = **1381**
Group variable: **codej** — Number of groups = **194**

Random effects u_i ~ **Gaussian** — Obs per group: min = **1**
avg = **7.1**
max = **45**

Integration method: **mvaghermite** — Integration points = **12**

Wald chi2(**17**) = **124.84**
Log pseudolikelihood = **-904.54916** — Prob > chi2 = **0.0000**

(Std. Err. adjusted for **194** clusters in codej)

civLibAndCrim_lib	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	**-.4634218**	**.1439442**	**-3.22**	**0.001**	**-.7455473**	**-.1812963**
casualties	**-.0184854**	**.0085664**	**-2.16**	**0.031**	**-.0352753**	**-.0016956**
partycap	**.1062364**	**.030017**	**3.54**	**0.000**	**.0474042**	**.1650686**
lowerlib	**-.5225919**	**.1926056**	**-2.71**	**0.007**	**-.9000919**	**-.1450919**
warissue	**.6133117**	**.2565955**	**2.39**	**0.017**	**.1103938**	**1.11623**
govrespondent	**-.7256345**	**.1782157**	**-4.07**	**0.000**	**-1.074931**	**-.3763382**
circuit1	**.2239256**	**.3347143**	**0.67**	**0.503**	**-.4321024**	**.8799535**

circuit2	-.2395457	.3451357	-0.69	0.488	-.9159993	.4369078
circuit3	-.0331419	.3280232	-0.10	0.920	-.6760555	.6097717
circuit4	.4890513	.3085265	1.59	0.113	-.1156496	1.093752
circuit5	.6313657	.304452	2.07	0.038	.0346508	1.228081
circuit6	-.3366808	.3323294	-1.01	0.311	-.9880344	.3146729
circuit7	-.0468853	.3959966	-0.12	0.906	-.8230243	.7292538
circuit9	-.5742535	.2983313	-1.92	0.054	-1.158972	.010465
circuit10	.0366675	.3534036	0.10	0.917	-.6559909	.7293259
circuit11	.0185166	.2958348	0.06	0.950	-.561309	.5983422
circuit12	.3984499	.6480081	0.61	0.539	-.8716225	1.668522
_cons	.8320029	.3203406	2.60	0.009	.2041469	1.459859
/lnsig2u	-2.049995	.6782146			-3.379271	-.7207188
sigma_u	.3587974	.1216708			.1845868	.6974256
rho	.0376573	.024578			.0102506	.128805

```
12 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP>0 & crim==1,
>  vce(robust)
note: warissue omitted because of collinearity

Fitting comparison model:

Iteration 0:   log pseudolikelihood = -4381.4699
Iteration 1:   log pseudolikelihood = -4296.2227
Iteration 2:   log pseudolikelihood = -4291.4551
Iteration 3:   log pseudolikelihood = -4291.4482
Iteration 4:   log pseudolikelihood = -4291.4482

Fitting full model:

tau =  0.0     log pseudolikelihood = -4291.4482
tau =  0.1     log pseudolikelihood = -4279.4329
tau =  0.2     log pseudolikelihood = -4286.2301

Iteration 0:   log pseudolikelihood = -4279.4336
Iteration 1:   log pseudolikelihood = -4278.9414
Iteration 2:   log pseudolikelihood = -4278.9408
Iteration 3:   log pseudolikelihood = -4278.9408

Calculating robust standard errors:

Random-effects logistic regression              Number of obs      =      9089
Group variable: codej                           Number of groups   =       856

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =      10.6
                                                               max =       148

Integration method: mvaghermite                 Integration points =        12

                                                Wald chi2(16)      =    124.49
```

Log pseudolikelihood = **-4278.9408** Prob > chi2 = **0.0000**

(Std. Err. adjusted for **856** clusters in codej)

civLibAndCrim_lib	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.1307023	.0759657	1.72	0.085	-.0181877	.2795923
casualties	-.0054235	.0042907	-1.26	0.206	-.013833	.002986
partycap	.0910484	.0232901	3.91	0.000	.0454007	.1366962
lowerlib	-.6398552	.1701766	-3.76	0.000	-.9733953	-.3063152
warissue	0	(omitted)				
govrespondent	-1.015546	.1658977	-6.12	0.000	-1.3407	-.6903926
circuit1	.1955818	.2136558	0.92	0.360	-.2231758	.6143395
circuit2	.0876824	.1926286	0.46	0.649	-.2898627	.4652275
circuit3	.4401997	.1802658	2.44	0.015	.0868852	.7935143
circuit4	.8666238	.1771493	4.89	0.000	.5194175	1.21383
circuit5	.4050276	.1627604	2.49	0.013	.086023	.7240322
circuit6	.347105	.1501596	2.31	0.021	.0527976	.6414123
circuit7	.2815029	.1547227	1.82	0.069	-.0217481	.5847538
circuit9	-.4520884	.1553635	-2.91	0.004	-.7565953	-.1475815
circuit10	.1839324	.1469895	1.25	0.211	-.1041618	.4720265
circuit11	.0167273	.1609816	0.10	0.917	-.2987908	.3322454
circuit12	.2696845	.167944	1.61	0.108	-.0594798	.5988488
_cons	-.4105497	.2530189	-1.62	0.105	-.9064577	.0853582
/lnsig2u	-2.208348	.2813235			-2.759732	-1.656964
sigma_u	.3314846	.0466272			.2516123	.4367117
rho	.0323206	.0087987			.0188802	.0547946

```
13 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP>00 & crim==(
> , vce(robust)

Fitting comparison model:

Iteration 0:   log pseudolikelihood = -1209.8245
Iteration 1:   log pseudolikelihood = -1166.1119
Iteration 2:   log pseudolikelihood = -1165.5428
Iteration 3:   log pseudolikelihood = -1165.5404
Iteration 4:   log pseudolikelihood = -1165.5404

Fitting full model:

tau =  0.0     log pseudolikelihood = -1165.5404
tau =  0.1     log pseudolikelihood = -1166.2714

Iteration 0:   log pseudolikelihood = -1166.2714
Iteration 1:   log pseudolikelihood = -1165.5021
Iteration 2:   log pseudolikelihood = -1165.4058
Iteration 3:   log pseudolikelihood = -1165.3982
Iteration 4:   log pseudolikelihood = -1165.3982
```

```
Calculating robust standard errors:

Random-effects logistic regression              Number of obs      =      1890
Group variable: codej                           Number of groups   =       431

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       4.4
                                                               max =        28

Integration method: mvaghermite                 Integration points =        12

                                                Wald chi2(17)      =     85.45
Log pseudolikelihood  = -1165.3982              Prob > chi2        =    0.0000

                                 (Std. Err. adjusted for 431 clusters in codej)
------------------------------------------------------------------------------
civLibAndCrim_lib |      Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
------------------+-----------------------------------------------------------
          wartime |   .0543225   .1254302     0.43   0.665    -.191516    .3001611
       casualties |  -.0355186   .0129015    -2.75   0.006    -.0608051   -.0102321
          partycap |   .1117094   .0286657     3.90   0.000     .0555256    .1678932
          lowerlib |  -.3806055   .1545037    -2.46   0.014    -.6834272   -.0777839
          warissue |   .1694512   .2221603     0.76   0.446    -.2659749    .6048774
     govrespondent |  -.6114902   .1466074    -4.17   0.000    -.8988355   -.3241448
          circuit1 |   .0492072   .2171437     0.23   0.821    -.3763866    .4748009
          circuit2 |   .2193315   .2144915     1.02   0.307    -.2010641    .6397271
          circuit3 |   .3016116   .2671737     1.13   0.259    -.2220392    .8252623
          circuit4 |   .7992871   .2259818     3.54   0.000     .3563709    1.242203
          circuit5 |  -.0134065   .2229245    -0.06   0.952    -.4503304    .4235174
          circuit6 |   .3005004   .2323866     1.29   0.196     -.154969    .7559698
          circuit7 |  -.1936134   .2570515    -0.75   0.451    -.6974251    .3101982
          circuit9 |  -.2190373   .1911722    -1.15   0.252    -.5937279    .1556533
         circuit10 |   .3939846   .2488409     1.58   0.113    -.0937346    .8817039
         circuit11 |   .6275088   .2463149     2.55   0.011     .1447406    1.110277
         circuit12 |  -.0952223   .2493329    -0.38   0.703    -.5839057    .3934612
             _cons |  -.0425527   .2012376    -0.21   0.833    -.4369712    .3518657
------------------+-----------------------------------------------------------
         /lnsig2u |   -3.52649   1.991695                     -7.430141    .3771616
------------------+-----------------------------------------------------------
          sigma_u |   .1714875   .1707754                      .0243537    1.207535
              rho |   .0088598   .0174896                      .0001802    .3071056
------------------------------------------------------------------------------

14 .
15 . /*Table A2 (fixed effects model)*/
16 .
17 . xtlogit civLibAndCrim_lib wartime GHP crim wartimeGHP crimGHP wartimeCrim crimWartimeGHP casualties partyca
   > p lowerlib warissue govresp circuit1 circuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit
   > 10 circuit11 circuit12 if year> 1949, fe
   note: multiple positive outcomes within groups encountered.
   note: 30 groups (137 obs) dropped because of all positive or
         all negative outcomes.
```

```
note: GHP omitted because of no within-group variance.

Iteration 0:   log likelihood = -7538.6886
Iteration 1:   log likelihood = -7511.6357
Iteration 2:   log likelihood = -7511.5578
Iteration 3:   log likelihood = -7511.5577

Conditional fixed-effects logistic regression   Number of obs      =     16183
Group variable: codej                           Number of groups   =       442

                                                Obs per group: min =         2
                                                               avg =      36.6
                                                               max =       218

                                                LR chi2(22)        =    558.73
Log likelihood  = -7511.5577                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.2285142	.0857092	-2.67	0.008	-.3965011	-.0605274
GHP	0	(omitted)				
crim	-.8281188	.0612576	-13.52	0.000	-.9481816	-.708056
wartimeGHP	.6283738	.2462342	2.55	0.011	.1457636	1.110984
crimGHP	.3789785	.1618518	2.34	0.019	.0617547	.6962023
wartimeCrim	.4334768	.0936712	4.63	0.000	.2498846	.6170691
crimWartimeGHP	-.6998927	.2737928	-2.56	0.011	-1.236517	-.1632686
casualties	-.0117403	.0025018	-4.69	0.000	-.0166437	-.0068368
partycap	.0654521	.0127705	5.13	0.000	.0404224	.0904818
lowerlib	-.3322693	.083893	-3.96	0.000	-.4966966	-.167842
warissue	.2913552	.1780651	1.64	0.102	-.0576461	.6403565
govrespondent	-.7768742	.0806374	-9.63	0.000	-.9349206	-.6188277
circuit1	-.0366405	.6562505	-0.06	0.955	-1.322868	1.249587
circuit2	-.4239444	.4770169	-0.89	0.374	-1.35888	.5109916
circuit3	.3836226	.5596442	0.69	0.493	-.7132598	1.480505
circuit4	-.3773826	.5286796	-0.71	0.475	-1.413575	.6588104
circuit5	.7336512	.6621811	1.11	0.268	-.5641999	2.031502
circuit6	.0533271	.5195639	0.10	0.918	-.9649995	1.071654
circuit7	.4743636	.5415094	0.88	0.381	-.5869753	1.535702
circuit9	-.2440285	.4652454	-0.52	0.600	-1.155893	.6678358
circuit10	.1516933	.4963933	0.31	0.760	-.8212197	1.124606
circuit11	-.0011476	.5611675	-0.00	0.998	-1.101016	1.09872
circuit12	.6437084	.4962839	1.30	0.195	-.3289901	1.616407

```
18 . xtlogit civLibAndCrim_lib wartime crim wartimeCrim casualties partycap lowerlib warissue govresp circuit1 c
> ircuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 &
>  GHP<=0, fe
note: multiple positive outcomes within groups encountered.
note: 10 groups (32 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -3865.4505
Iteration 1:   log likelihood = -3856.5169
```

```
Iteration 2:   log likelihood =  -3856.387
Iteration 3:   log likelihood = -3856.3866
Iteration 4:   log likelihood = -3856.3866

Conditional fixed-effects logistic regression   Number of obs      =      7766
Group variable: codej                           Number of groups   =       212

                                                Obs per group: min =         2
                                                               avg =      36.6
                                                               max =       218

                                                LR chi2(19)        =    345.66
Log likelihood  = -3856.3866                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.4950963	.1224547	-4.04	0.000	-.7351032	-.2550895
crim	-1.005826	.086619	-11.61	0.000	-1.175596	-.8360561
wartimeCrim	.7190302	.1321817	5.44	0.000	.4599589	.9781016
casualties	-.0104651	.0030223	-3.46	0.001	-.0163887	-.0045415
partycap	.0400415	.0176408	2.27	0.023	.0054663	.0746168
lowerlib	-.1892516	.1151139	-1.64	0.100	-.4148707	.0363675
warissue	.6591866	.2583153	2.55	0.011	.1528979	1.165475
govrespondent	-.720084	.1104812	-6.52	0.000	-.9366231	-.5035449
circuit1	-.3093357	.8511652	-0.36	0.716	-1.977589	1.358917
circuit2	-.4219865	.5801249	-0.73	0.467	-1.55901	.7150374
circuit3	.0742178	.6886151	0.11	0.914	-1.275443	1.423878
circuit4	-.8232287	.6714094	-1.23	0.220	-2.139167	.4927095
circuit5	2.141987	1.243151	1.72	0.085	-.2945437	4.578518
circuit6	-.7176364	.6819283	-1.05	0.293	-2.054191	.6189185
circuit7	1.021305	.6987465	1.46	0.144	-.3482128	2.390823
circuit9	-.0185343	.5662428	-0.03	0.974	-1.12835	1.091281
circuit10	-.0727264	.6279036	-0.12	0.908	-1.303395	1.157942
circuit11	1.009248	.7913626	1.28	0.202	-.5417936	2.560291
circuit12	.4971085	.6295942	0.79	0.430	-.7368735	1.731091

```
19 . xtlogit civLibAndCrim_lib wartime crim wartimeCrim casualties partycap lowerlib warissue govresp circuit1 c
> ircuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 &
>  GHP>0, fe
note: multiple positive outcomes within groups encountered.
note: 531 groups (874 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -4329.5842
Iteration 1:   log likelihood = -4320.3493
Iteration 2:   log likelihood = -4320.3309
Iteration 3:   log likelihood = -4320.3309

Conditional fixed-effects logistic regression   Number of obs      =     10105
Group variable: codej                           Number of groups   =       401

                                                Obs per group: min =         2
```

```
                                                      avg =      25.2
                                                      max =       175

                                        LR chi2(19)       =    289.96
Log likelihood  = -4320.3309            Prob > chi2       =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.0504006	.1130819	0.45	0.656	-.1712357	.272037
crim	-.6284511	.0791244	-7.94	0.000	-.783532	-.4733702
wartimeCrim	.1653021	.1240193	1.33	0.183	-.0777714	.4083755
casualties	-.007351	.0036458	-2.02	0.044	-.0144967	-.0002054
partycap	.0975687	.0167257	5.83	0.000	.064787	.1303503
lowerlib	-.5428381	.1105256	-4.91	0.000	-.7594643	-.3262118
warissue	.0643417	.2312729	0.28	0.781	-.3889449	.5176283
govrespondent	-.8877459	.106912	-8.30	0.000	-1.09729	-.6782021
circuit1	-.2320409	.5483441	-0.42	0.672	-1.306776	.8426937
circuit2	-.5232854	.4989251	-1.05	0.294	-1.501161	.4545899
circuit3	-.1701818	.5609829	-0.30	0.762	-1.269688	.9293245
circuit4	.0154059	.5294455	0.03	0.977	-1.022288	1.0531
circuit5	-.4138518	.6075809	-0.68	0.496	-1.604688	.7769848
circuit6	.7318119	.5497237	1.33	0.183	-.3456268	1.809251
circuit7	-.650193	.58216	-1.12	0.264	-1.791206	.4908196
circuit9	-.5305242	.5278521	-1.01	0.315	-1.565095	.5040469
circuit10	.1098729	.4889105	0.22	0.822	-.8483741	1.06812
circuit11	-.5835245	.5478055	-1.07	0.287	-1.657204	.4901547
circuit12	.2980258	.5150111	0.58	0.563	-.7113775	1.307429

```
20 . xtlogit civLibAndCrim_lib wartime GHP wartimeGHP casualties partycap lowerlib warissue govresp circuit1 cir
> cuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & c
> rim==1, fe
note: warissue omitted because of collinearity
note: multiple positive outcomes within groups encountered.
note: 38 groups (232 obs) dropped because of all positive or
      all negative outcomes.
note: GHP omitted because of no within-group variance.

Iteration 0:   log likelihood = -5749.4882
Iteration 1:   log likelihood = -5737.8978
Iteration 2:   log likelihood = -5737.8573
Iteration 3:   log likelihood = -5737.8573

Conditional fixed-effects logistic regression   Number of obs      =     13181
Group variable: codej                           Number of groups   =       429

                                                Obs per group: min =         2
                                                               avg =      30.7
                                                               max =       173

                                                LR chi2(17)       =     98.33
Log likelihood  = -5737.8573                    Prob > chi2       =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.1955664	.0549196	3.56	0.000	.0879259	.3032069
GHP	0	(omitted)				
wartimeGHP	-.1066857	.1482949	-0.72	0.472	-.3973383	.1839669
casualties	-.0090806	.0025737	-3.53	0.000	-.0141249	-.0040363
partycap	.0389765	.0170771	2.28	0.022	.005506	.0724469
lowerlib	-.1928656	.1277334	-1.51	0.131	-.4432185	.0574873
warissue	0	(omitted)				
govrespondent	-.724898	.1241267	-5.84	0.000	-.9681819	-.4816141
circuit1	.3514501	.8313935	0.42	0.672	-1.278051	1.980951
circuit2	.2905376	.5607702	0.52	0.604	-.8085518	1.389627
circuit3	.8778203	.6763584	1.30	0.194	-.4478178	2.203458
circuit4	.1396012	.6325437	0.22	0.825	-1.100162	1.379364
circuit5	1.611707	.7758524	2.08	0.038	.0910644	3.13235
circuit6	.7492152	.6438511	1.16	0.245	-.5127099	2.01114
circuit7	1.355566	.6905849	1.96	0.050	.0020448	2.709088
circuit9	.4482413	.594573	0.75	0.451	-.7171004	1.613583
circuit10	.6305826	.5987132	1.05	0.292	-.5428736	1.804039
circuit11	.8347937	.662569	1.26	0.208	-.4638177	2.133405
circuit12	.9598425	.6066283	1.58	0.114	-.2291272	2.148812

```
21 . xtlogit civLibAndCrim_lib wartime GHP wartimeGHP casualties partycap lowerlib warissue govresp circuit1 cir
> cuit2 circuit3 circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & c
> rim==0, fe
note: multiple positive outcomes within groups encountered.
note: 107 groups (253 obs) dropped because of all positive or
      all negative outcomes.
note: GHP omitted because of no within-group variance.

Iteration 0:   log likelihood = -1219.5408
Iteration 1:   log likelihood = -1207.2306
Iteration 2:   log likelihood = -1207.0897
Iteration 3:   log likelihood = -1207.0894
Iteration 4:   log likelihood = -1207.0894

Conditional fixed-effects logistic regression   Number of obs      =      2654
Group variable: codej                           Number of groups   =       316

                                                Obs per group: min =         2
                                                               avg =       8.4
                                                               max =        45

                                                LR chi2(18)        =    105.72
Log likelihood  = -1207.0894                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.1621165	.1116031	-1.45	0.146	-.3808546	.0566216
GHP	0	(omitted)				
wartimeGHP	.4068054	.2793049	1.46	0.145	-.1406222	.9542329

casualties	-.0329184	.0099219	-3.32	0.001	-.0523649	-.0134719
partycap	.0970145	.0246828	3.93	0.000	.0486372	.1453919
lowerlib	-.4681823	.1292227	-3.62	0.000	-.7214541	-.2149105
warissue	.173411	.1959921	0.88	0.376	-.2107266	.5575485
govrespondent	-.760415	.1225046	-6.21	0.000	-1.00052	-.5203103
circuit1	-.5000217	1.382682	-0.36	0.718	-3.210028	2.209984
circuit2	-1.589807	1.114706	-1.43	0.154	-3.774591	.5949777
circuit3	.1683759	1.299038	0.13	0.897	-2.377692	2.714444
circuit4	-.5658822	1.198841	-0.47	0.637	-2.915568	1.783804
circuit5	-2.29936	1.670844	-1.38	0.169	-5.574154	.975435
circuit6	-1.884086	1.316575	-1.43	0.152	-4.464525	.6963543
circuit7	-2.094276	1.307755	-1.60	0.109	-4.657429	.468876
circuit9	-1.460783	.9179078	-1.59	0.112	-3.259849	.3382836
circuit10	-.9610701	1.140253	-0.84	0.399	-3.195925	1.273785
circuit11	-1.777695	1.555198	-1.14	0.253	-4.825827	1.270436
circuit12	.7048819	1.278134	0.55	0.581	-1.800214	3.209978

```
22 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP<=0 & crim==1
> , fe
note: warissue omitted because of collinearity
note: multiple positive outcomes within groups encountered.
note: 15 groups (83 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -2987.9461
Iteration 1:   log likelihood =  -2978.761
Iteration 2:   log likelihood = -2978.5558
Iteration 3:   log likelihood = -2978.5549
Iteration 4:   log likelihood = -2978.5549

Conditional fixed-effects logistic regression   Number of obs      =      6334
Group variable: codej                           Number of groups   =       207

                                                Obs per group: min =         2
                                                               avg =      30.6
                                                               max =       173

                                                LR chi2(16)        =     73.81
Log likelihood  = -2978.5549                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.2225354	.0764389	2.91	0.004	.0727178	.3723529
casualties	-.0081418	.0031109	-2.62	0.009	-.014239	-.0020446
partycap	-.0117864	.0236032	-0.50	0.618	-.0580478	.0344751
lowerlib	.2040955	.1767619	1.15	0.248	-.1423515	.5505425
warissue	0	(omitted)				
govrespondent	-.4945038	.1716228	-2.88	0.004	-.8308783	-.1581292
circuit1	-.4266455	1.105717	-0.39	0.700	-2.593812	1.740521
circuit2	.1304	.6896644	0.19	0.850	-1.221318	1.482117
circuit3	.2023196	.8552864	0.24	0.813	-1.474011	1.87865

circuit4	-.1996015	.8348907	-0.24	0.811	-1.835957	1.436754
circuit5	2.761499	1.366523	2.02	0.043	.0831627	5.439835
circuit6	-.7186468	.8567755	-0.84	0.402	-2.397896	.9606022
circuit7	1.847488	.8794477	2.10	0.036	.1238023	3.571174
circuit9	.8486423	.7643893	1.11	0.267	-.6495332	2.346818
circuit10	.5087138	.749426	0.68	0.497	-.9601342	1.977562
circuit11	2.065478	.9294816	2.22	0.026	.243727	3.887228
circuit12	.5935274	.804048	0.74	0.460	-.9823776	2.169432

```
23 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP<=0 & crim==(
> , fe
note: multiple positive outcomes within groups encountered.
note: 48 groups (120 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -601.26409
Iteration 1:   log likelihood = -594.86822
Iteration 2:   log likelihood =  -594.0364
Iteration 3:   log likelihood = -593.79328
Iteration 4:   log likelihood = -593.74331
Iteration 5:   log likelihood = -593.73162
Iteration 6:   log likelihood = -593.72875
Iteration 7:   log likelihood = -593.72818
Iteration 8:   log likelihood = -593.72809
Iteration 9:   log likelihood = -593.72807

Conditional fixed-effects logistic regression   Number of obs      =      1261
Group variable: codej                           Number of groups   =       146

                                                 Obs per group: min =         2
                                                               avg =       8.6
                                                               max =        45

                                                 LR chi2(17)        =     78.48
Log likelihood  = -593.72807                     Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	-.3892516	.1658916	-2.35	0.019	-.7143932	-.0641099
casualties	-.0269982	.0122143	-2.21	0.027	-.0509378	-.0030586
partycap	.1175545	.0358466	3.28	0.001	.0472965	.1878126
lowerlib	-.5765233	.1864961	-3.09	0.002	-.9420488	-.2109977
warissue	.4608364	.2881517	1.60	0.110	-.1039306	1.025603
govrespondent	-.8126887	.1764362	-4.61	0.000	-1.158497	-.4668801
circuit1	12.53684	796.9687	0.02	0.987	-1549.493	1574.567
circuit2	-.792478	1.297816	-0.61	0.541	-3.336151	1.751195
circuit3	13.12965	796.9678	0.02	0.987	-1548.899	1575.158
circuit4	-14.30468	766.074	-0.02	0.985	-1515.782	1487.173
circuit5	14.80258	2637.095	0.01	0.996	-5153.809	5183.415
circuit6	-.8876209	3.055869	-0.29	0.771	-6.877015	5.101773
circuit7	-.2159527	3.060025	-0.07	0.944	-6.213492	5.781587

circuit9	-1.468547	1.000712	-1.47	0.142	-3.429906	.4928128
circuit10	-14.70579	766.074	-0.02	0.985	-1516.183	1486.772
circuit11	-15.60431	2568.569	-0.01	0.995	-5049.908	5018.699
circuit12	15.19886	1638.644	0.01	0.993	-3196.484	3226.881

```
24 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP>0 & crim==1,
>  fe
note: warissue omitted because of collinearity
note: multiple positive outcomes within groups encountered.
note: 489 groups (865 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -3278.5697
Iteration 1:   log likelihood = -3272.4317
Iteration 2:   log likelihood = -3272.4114
Iteration 3:   log likelihood = -3272.4114

Conditional fixed-effects logistic regression   Number of obs      =      8224
Group variable: codej                           Number of groups   =       367

                                                Obs per group: min =         2
                                                              avg =      22.4
                                                              max =       148

                                                LR chi2(16)        =     70.67
Log likelihood  = -3272.4114                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.2006063	.0735581	2.73	0.006	.0564351	.3447776
casualties	-.0039264	.0037058	-1.06	0.289	-.0111897	.0033368
partycap	.099081	.0225741	4.39	0.000	.0548366	.1433254
lowerlib	-.6943529	.1682588	-4.13	0.000	-1.024134	-.3645717
warissue	0	(omitted)				
govrespondent	-1.082342	.1639284	-6.60	0.000	-1.403636	-.761048
circuit1	-.4181298	.696069	-0.60	0.548	-1.7824	.9461405
circuit2	-.4777488	.5830462	-0.82	0.413	-1.620498	.6650008
circuit3	-.1955362	.6645943	-0.29	0.769	-1.498117	1.107045
circuit4	-.1807063	.6179265	-0.29	0.770	-1.39182	1.030407
circuit5	.2631395	.6706852	0.39	0.695	-1.051379	1.577658
circuit6	.681076	.6506665	1.05	0.295	-.5942068	1.956359
circuit7	-.3273137	.6715294	-0.49	0.626	-1.643487	.9888598
circuit9	-.4072185	.6161404	-0.66	0.509	-1.614832	.8003945
circuit10	.0029879	.5630892	0.01	0.996	-1.100647	1.106622
circuit11	-.3433931	.6290536	-0.55	0.585	-1.576316	.8895294
circuit12	.3491315	.5983691	0.58	0.560	-.8236503	1.521913

```
25 . xtlogit civLibAndCrim_lib wartime casualties partycap lowerlib warissue govresp circuit1 circuit2 circuit3
> circuit4 circuit5 circuit6 circuit7 circuit9 circuit10 circuit11 circuit12 if year> 1949 & GHP>00 & crim==0
> , fe
```

```
note: multiple positive outcomes within groups encountered.
note: 224 groups (319 obs) dropped because of all positive or
      all negative outcomes.

Iteration 0:   log likelihood = -680.81076
Iteration 1:   log likelihood = -671.44047
Iteration 2:   log likelihood = -670.78404
Iteration 3:   log likelihood = -670.64091
Iteration 4:   log likelihood = -670.61744
Iteration 5:   log likelihood = -670.61202
Iteration 6:   log likelihood =  -670.6107
Iteration 7:   log likelihood = -670.61044
Iteration 8:   log likelihood =  -670.6104
Iteration 9:   log likelihood = -670.61039

Conditional fixed-effects logistic regression   Number of obs      =      1571
Group variable: codej                           Number of groups   =       207

                                                Obs per group: min =         2
                                                               avg =       7.6
                                                               max =        28

                                                LR chi2(17)        =     62.41
Log likelihood  = -670.61039                    Prob > chi2        =    0.0000
```

civLibAndCrim_lib	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
wartime	.1122173	.1466345	0.77	0.444	-.1751811	.3996157
casualties	-.0405799	.016405	-2.47	0.013	-.0727331	-.0084266
partycap	.1118543	.0327056	3.42	0.001	.0477524	.1759561
lowerlib	-.5067418	.1714782	-2.96	0.003	-.842833	-.1706506
warissue	-.0086769	.2602782	-0.03	0.973	-.5188129	.5014591
govrespondent	-.6934062	.1635041	-4.24	0.000	-1.013868	-.3729441
circuit1	-.1415871	1.436981	-0.10	0.922	-2.958019	2.674844
circuit2	.3768565	1.544557	0.24	0.807	-2.650419	3.404132
circuit3	-.3325002	1.676439	-0.20	0.843	-3.61826	2.953259
circuit4	2.242155	1.815452	1.24	0.217	-1.316066	5.800376
circuit5	-16.12079	931.9212	-0.02	0.986	-1842.653	1810.411
circuit6	1.133391	1.552927	0.73	0.465	-1.91029	4.177073
circuit7	-16.03544	1229.385	-0.01	0.990	-2425.585	2393.515
circuit9	-.7897749	1.556611	-0.51	0.612	-3.840677	2.261127
circuit10	.0259368	1.693036	0.02	0.988	-3.292352	3.344226
circuit11	-.7919587	1.947081	-0.41	0.684	-4.608167	3.02425
circuit12	-.4759081	1.764117	-0.27	0.787	-3.933515	2.981698

```
26 .
   end of do-file

27 . log close
       name:  <unnamed>
        log:  /Volumes/Rugged_Key/Hope/2017_JLC_WarCOAJudge/War_JudgeLevel/FinalDraftData/log.smcl
   log type:  smcl
```

```
closed on:  21 Oct 2016, 16:24:54
-------------------------------------------------------------------------------
```