Statistics/Data Analysis

```
      name:  <unnamed>
       log:  D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\v5\
> isq\ISQ log.smcl
  log type:  smcl
 opened on:  11 Jun 2019, 21:52:03

1 .
2 . clear all

3 . set more off

4 . graph drop _all

5 . macro drop _all

6 .
7 . use "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\v5\isq\IS
  > Q.dta"

8 .
9 . stset age, id(id) failure(PB)

                id:  id
     failure event:  PB != 0 & PB < .
obs. time interval:  (age[_n-1], age]
 exit on or before:  failure

------------------------------------------------------------------------------
      1371  total observations
       363  observations begin on or after (first) failure
------------------------------------------------------------------------------
      1008  observations remaining, representing
        36  subjects
        19  failures in single-failure-per-subject data
      1107  total analysis time at risk and under observation
                                        at risk from t =         0
                              earliest observed entry t =         0
                                   last observed exit t =       122

10.
11. *********
12.
13. *summary stats
14.
15. estpost sum PB pooling delegation avgdemocracy demdensity EUengagement regemulation
  > globemulation post90 gnic democratizingHG democraticHG age

             |  e(count)   e(sum_w)    e(mean)     e(Var)      e(sd)     e(min)     e(
> max)     e(sum)
-------------+------------------------------------------------------------------------
             |
          PB |      1371       1371   .2786287   .2011415    .448488          0
>    1        382
     pooling |      1371       1371   .1694395   .0158578   .1259277          0     .5
> 0875   232.3015
  delegation |      1371       1371   .2169996   .0267865   .1636659          0   .787
> 8788   297.5065
avgdemocracy |      1344       1344   12.22876   40.05015   6.328519    .333333   20.3
> 0769   16435.45
  demdensity |      1046       1046   .4534358   .1339262   .3659593          0
>    1   474.2939
EUengagement |      1312       1312   .9946646   2.804701   1.674724          0
>    6       1305
regemulation |      1371       1371   .2516412   .0632042   .2514045          0
>   .8        345
globemulat~n |      1371       1371   .2516411   .0131544   .1146924          0
>   .5        345
      post90 |      1371       1371   .5054705   .2501525   .5001525          0
>    1        693
        gnic |       939        939   14911.49   2.89e+08   17007.28   445.4556   8391
> 5.59   1.40e+07
```

```
  democratiz~G |      1046       1046   .0726577   .0712708    .266966          0
  >    2         76
  democraticHG |      1046       1046   .3709369   .2680158   .5177024          0
  >    2        388
           age |      1371       1371   26.34792   440.2621   20.98242          1
  >  122      36123

16. #delimit ;
  delimiter now ;
17. esttab . using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviva
  > l\v5\isq\pb sum stats.rtf", replace
  >         unstack cells("mean sd min max") nomtitle nonumber onecell nogaps label titl
  > e("")
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb sum stats.rtf)

18.  #delimit cr
  delimiter now cr
19.
20. *correlation matrix
21.
22. estpost correlate PB pooling delegation avgdemocracy demdensity EUengagement regemul
  > ation globemulation post90 gnic democratizingHG democraticHG age, matrix
```

	e(b)	e(rho)	e(p)	e(count)
PB				
PB	1	1		1371
pooling	.2916231	.2916231	2.78e-28	1371
delegation	.7479741	.7479741	5.8e-246	1371
avgdemocracy	.2485415	.2485415	2.27e-20	1344
demdensity	.2458713	.2458713	7.23e-16	1046
EUengagement	.2096014	.2096014	1.72e-14	1312
regemulation	.5744092	.5744092	3.5e-121	1371
globemulat~n	.2363789	.2363789	7.29e-19	1371
post90	.1754275	.1754275	6.13e-11	1371
gnic	.253554	.253554	3.06e-15	939
democratiz~G	.1074435	.1074435	.0004998	1046
democraticHG	-.0599434	-.0599434	.0526098	1046
age	.1411004	.1411004	1.55e-07	1371
pooling				
pooling	1	1		1371
delegation	.34766	.34766	3.13e-40	1371
avgdemocracy	-.228616	-.228616	2.14e-17	1344
demdensity	-.3078673	-.3078673	2.12e-24	1046
EUengagement	.0775445	.0775445	.0049489	1312
regemulation	.2083772	.2083772	6.48e-15	1371
globemulat~n	.2045295	.2045295	2.05e-14	1371
post90	.1661392	.1661392	6.05e-10	1371
gnic	-.0986767	-.0986767	.0024689	939
democratiz~G	.0557157	.0557157	.0716719	1046
democraticHG	-.0663154	-.0663154	.0319877	1046
age	.3096029	.3096029	7.68e-32	1371
delegation				
delegation	1	1		1371
avgdemocracy	.3152503	.3152503	2.15e-32	1344
demdensity	.3666789	.3666789	1.23e-34	1046
EUengagement	.2255788	.2255788	1.34e-16	1312
regemulation	.5764657	.5764657	3.1e-122	1371
globemulat~n	.2970694	.2970694	2.47e-29	1371
post90	.2143698	.2143698	1.03e-15	1371
gnic	.2351595	.2351595	2.90e-13	939
democratiz~G	.0415692	.0415692	.1791422	1046
democraticHG	-.0274072	-.0274072	.3758831	1046
age	.3380922	.3380922	5.22e-38	1371
avgdemocracy				
avgdemocracy	1	1		1344
demdensity	.9078466	.9078466	0	1046
EUengagement	.046928	.046928	.0926633	1285
regemulation	.3552482	.3552482	2.97e-41	1344
globemulat~n	.1283199	.1283199	2.37e-06	1344

post90	.1375796	.1375796	4.12e-07	1344
gnic	.5712898	.5712898	1.87e-82	939
democratiz~G	.0066685	.0066685	.8294416	1046
democraticHG	.3806216	.3806216	2.14e-37	1046
age	.2183999	.2183999	5.63e-16	1344
demdensity				
demdensity	1	1		1046
EUengagement	-.0175232	-.0175232	.582413	987
regemulation	.3229283	.3229283	8.19e-27	1046
globemulat~n	-.0172831	-.0172831	.5766115	1046
post90	-.0162557	-.0162557	.5994805	1046
gnic	.425126	.425126	1.68e-42	939
democratiz~G	.0280144	.0280144	.3653941	1046
democraticHG	.3739174	.3739174	4.72e-36	1046
age	.1167063	.1167063	.000155	1046
EUengagement				
EUengagement	1	1		1312
regemulation	.0732387	.0732387	.0079578	1312
globemulat~n	.1695048	.1695048	6.47e-10	1312
post90	.2419089	.2419089	6.32e-19	1312
gnic	.0230737	.0230737	.4922686	888
democratiz~G	.0379611	.0379611	.2334477	987
democraticHG	-.0532986	-.0532986	.0942239	987
age	.1335318	.1335318	1.21e-06	1312
regemulation				
regemulation	1	1		1371
globemulat~n	.4562067	.4562067	2.01e-71	1371
post90	.3634681	.3634681	4.47e-44	1371
gnic	.5481423	.5481423	9.35e-75	939
democratiz~G	-.0246492	-.0246492	.4258168	1046
democraticHG	-.1015689	-.1015689	.0010036	1046
age	.3569219	.3569219	1.86e-42	1371
globemulat~n				
globemulat~n	1	1		1371
post90	.7967181	.7967181	1.0e-301	1371
gnic	.0647192	.0647192	.0474082	939
democratiz~G	.0618802	.0618802	.0454085	1046
democraticHG	.11171	.11171	.0002947	1046
age	.3666942	.3666942	6.90e-45	1371
post90				
post90	1	1		1371
gnic	.0523805	.0523805	.1086998	939
democratiz~G	.027348	.027348	.376915	1046
democraticHG	.0989314	.0989314	.0013569	1046
age	.3220964	.3220964	1.83e-34	1371
gnic				
gnic	1	1		939
democratiz~G	-.1428912	-.1428912	.0000111	939
democraticHG	.0457281	.0457281	.1614786	939
age	.2302295	.2302295	9.22e-13	939
democratiz~G				
democratiz~G	1	1		1046
democraticHG	.0056	.0056	.8564469	1046
age	-.0750617	-.0750617	.0151755	1046
democraticHG				
democraticHG	1	1		1046
age	.125117	.125117	.0000496	1046
age				
age	1	1		1371

```
23. #delimit ;
  delimiter now ;
24. esttab . using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviva
  > l\v5\isq\pb corr.rtf", replace
  >         unstack b(3) p(3) noobs nostar nonumber onecell nogaps label title("")
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb corr.rtf)

25.  #delimit cr
  delimiter now cr
26.
27. replace delegation=delegation*100
  (1328 real changes made)

28. replace regemulation=regemulation*100
  (893 real changes made)

29. replace globemulation=globemulation*100
  (1362 real changes made)

30.
31. *main table
32.
33. stcox pooling delegation globemulation post90 gdp democratizingHG democraticHG, vce(
  > robust)

           failure _d:  PB
     analysis time _t:  age
                   id:  id

  Iteration 0:   log pseudolikelihood = -32.740333
  Iteration 1:   log pseudolikelihood = -19.604642
  Iteration 2:   log pseudolikelihood = -18.202618
  Iteration 3:   log pseudolikelihood = -17.982088
  Iteration 4:   log pseudolikelihood = -17.979897
  Iteration 5:   log pseudolikelihood = -17.979896
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -17.979896

  Cox regression -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     37.90
  Log pseudolikelihood =   -17.979896                 Prob > chi2     =    0.0000

                                        (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
        pooling |    .006774    .021157    -1.60   0.110     .0000149     3.08591
     delegation |   1.144779   .0351735     4.40   0.000     1.077875    1.215836
  globemulation |   1.025347   .0425851     0.60   0.547     .9451889    1.112304
         post90 |   3.743747   3.223747     1.53   0.125     .6923653    20.24313
            gdp |   1.069559   .2861334     0.25   0.802     .6331221     1.80685
democratizingHG |   5.002715   3.102861     2.60   0.009     1.483407     16.8714
   democraticHG |   .6711902   .5362841    -0.50   0.618     .1401947    3.213362
------------------------------------------------------------------------------
```

```
34. eststo fo1

35.
36. stcox avgdemocracy globemulation post90 gdp democratizingHG democraticHG, vce(robust
  > )

          failure _d:  PB
    analysis time _t:  age
                  id:  id

Iteration 0:   log pseudolikelihood = -32.740333
Iteration 1:   log pseudolikelihood = -26.385474
Iteration 2:   log pseudolikelihood = -25.495486
Iteration 3:   log pseudolikelihood =  -25.46817
Iteration 4:   log pseudolikelihood = -25.468147
Refining estimates:
Iteration 0:   log pseudolikelihood = -25.468147

Cox regression -- Breslow method for ties

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(6)    =     30.48
Log pseudolikelihood =   -25.468147                 Prob > chi2     =    0.0000

                                    (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   avgdemocracy |   1.148371   .1104227     1.44   0.150     .9511173    1.386533
  globemulation |   1.075845   .0417274     1.88   0.059     .9970925    1.160819
         post90 |   1.738443   1.825718     0.53   0.599     .2219352    13.61742
            gdp |   .6855543   .1691733    -1.53   0.126     .4226609    1.111966
democratizingHG |   2.582865   1.096275     2.24   0.025      1.12413    5.934537
   democraticHG |   .2769702   .1997961    -1.78   0.075     .0673609    1.138829
------------------------------------------------------------------------------

37. eststo fo2

38.
39. stcox demdensity globemulation post90 gdp democratizingHG democraticHG, vce(robust)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

Iteration 0:   log pseudolikelihood = -32.740333
Iteration 1:   log pseudolikelihood = -26.470084
Iteration 2:   log pseudolikelihood = -25.690672
Iteration 3:   log pseudolikelihood = -25.675148
Iteration 4:   log pseudolikelihood = -25.675139
Refining estimates:
Iteration 0:   log pseudolikelihood = -25.675139

Cox regression -- Breslow method for ties

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(6)    =     31.23
Log pseudolikelihood =   -25.675139                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
demdensity	**5.938807**	**7.961991**	**1.33**	**0.184**	**.4290593**	**82.20176**
globemulation	**1.070495**	**.0420219**	**1.74**	**0.083**	**.9912226**	**1.156108**
post90	**2.056255**	**2.097296**	**0.71**	**0.480**	**.2785392**	**15.17985**
gdp	**.7328195**	**.1717326**	**-1.33**	**0.185**	**.4629373**	**1.160037**
democratizingHG	**2.882831**	**1.236277**	**2.47**	**0.014**	**1.243909**	**6.681124**
democraticHG	**.2954438**	**.2078979**	**-1.73**	**0.083**	**.0743877**	**1.173406**

```
40. eststo fo3

41.
42. stcox EUengagement regemulation globemulation post90 gdp democratizingHG democraticH
  > G, vce(robust)
```

failure _d: **PB**
analysis time _t: **age**
id: **id**

Iteration 0: log pseudolikelihood = **-32.740333**
Iteration 1: log pseudolikelihood = **-22.47204**
Iteration 2: log pseudolikelihood = **-20.409655**
Iteration 3: log pseudolikelihood = **-20.348503**
Iteration 4: log pseudolikelihood = **-20.348372**
Refining estimates:
Iteration 0: log pseudolikelihood = **-20.348372**

Cox regression -- Breslow method for ties

No. of subjects = **27** Number of obs = **619**
No. of failures = **14**
Time at risk = **646**
Wald chi2(**7**) = **54.58**
Log pseudolikelihood = **-20.348372** Prob > chi2 = **0.0000**

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUengagement	**1.786624**	**.2703699**	**3.83**	**0.000**	**1.32807**	**2.403508**
regemulation	**1.06189**	**.02118**	**3.01**	**0.003**	**1.021179**	**1.104224**
globemulation	**1.044141**	**.0455175**	**0.99**	**0.322**	**.958633**	**1.137275**
post90	**1.697543**	**1.869113**	**0.48**	**0.631**	**.1961501**	**14.69105**
gdp	**.7254817**	**.1733051**	**-1.34**	**0.179**	**.4542439**	**1.158681**
democratizingHG	**2.311796**	**1.050594**	**1.84**	**0.065**	**.9486836**	**5.633491**
democraticHG	**.6906246**	**.4366128**	**-0.59**	**0.558**	**.200038**	**2.384359**

```
43. eststo fo4

44.
45. stcox delegation avgdemocracy EUengagement regemulation globemulation post90 gdp dem
  > ocratizingHG democraticHG, vce(robust)
```

failure _d: **PB**
analysis time _t: **age**
id: **id**

```
Iteration 0:   log pseudolikelihood = -32.740333
Iteration 1:   log pseudolikelihood = -18.050707
Iteration 2:   log pseudolikelihood = -16.886217
Iteration 3:   log pseudolikelihood = -15.827287
Iteration 4:   log pseudolikelihood = -15.778251
Iteration 5:   log pseudolikelihood = -15.777845
Iteration 6:   log pseudolikelihood = -15.777845
Refining estimates:
Iteration 0:   log pseudolikelihood = -15.777845

Cox regression -- Breslow method for ties

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(9)    =     93.24
Log pseudolikelihood =   -15.777845                 Prob > chi2     =    0.0000

                                    (Std. Err. adjusted for 27 clusters in id)
```

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
delegation	1.105256	.0335353	3.30	0.001	1.041444	1.172977
avgdemocracy	.9345076	.1005432	-0.63	0.529	.7568373	1.153887
EUengagement	1.677215	.282583	3.07	0.002	1.205522	2.333469
regemulation	1.055863	.0317972	1.81	0.071	.995345	1.12006
globemulation	1.008076	.0613246	0.13	0.895	.8947707	1.135729
post90	2.134355	2.439333	0.66	0.507	.2272149	20.04917
gdp	1.253538	.3856362	0.73	0.463	.6859232	2.290866
democratizingHG	4.251059	2.651543	2.32	0.020	1.251905	14.43521
democraticHG	.5844324	.563842	-0.56	0.578	.0882108	3.872101

```
46. eststo fo5

47.
48. *table
49. *ORDER
50. #delimit ;
  delimiter now ;
51. esttab fo1 fo2 fo3 fo4 fo5
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox main.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(pooling delegation avgdemocracy demdensity EUengagement regemulation g
  > lobemulation post90 gdp democratizingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox main.rtf)

52.  #delimit cr
  delimiter now cr
53.
54. *********
55.
56. *disaggregated EU engagement
57.
```

```
58. stcox EUfund regemulation globemulation post90 gdp democratizingHG democraticHG, vce
  > (robust)

           failure _d:  PB
     analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.740333
  Iteration 1:   log pseudolikelihood = -21.922075
  Iteration 2:   log pseudolikelihood = -19.677853
  Iteration 3:   log pseudolikelihood = -19.603415
  Iteration 4:   log pseudolikelihood = -19.603268
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -19.603268

  Cox regression -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     45.63
  Log pseudolikelihood =   -19.603268                 Prob > chi2     =    0.0000

                                       (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
          EUfund |   2.639484    .748608     3.42   0.001     1.513916    4.601887
    regemulation |   1.068689   .0242368     2.93   0.003     1.022226    1.117263
  globemulation |   1.035357   .0447234     0.80   0.421      .951309    1.126831
          post90 |   1.458232   1.550543     0.35   0.723     .1814434    11.71958
             gdp |   .6555888   .1847947    -1.50   0.134     .3773099    1.139108
democratizingHG |   2.007005   .9239393     1.51   0.130     .8141258    4.947722
   democraticHG |    .799237   .4494482    -0.40   0.690     .2654639    2.406278
------------------------------------------------------------------------------

59. eststo ffa1

60.
61. stcox EUcont regemulation globemulation post90 gdp democratizingHG democraticHG, vce
  > (robust)

           failure _d:  PB
     analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.740333
  Iteration 1:   log pseudolikelihood = -24.224381
  Iteration 2:   log pseudolikelihood = -22.928106
  Iteration 3:   log pseudolikelihood = -22.908943
  Iteration 4:   log pseudolikelihood = -22.908932
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -22.908932

  Cox regression -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     39.77
  Log pseudolikelihood =   -22.908932                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUcont	**2.197919**	**.7663454**	**2.26**	**0.024**	**1.109748**	**4.353103**
regemulation	**1.04564**	**.0172822**	**2.70**	**0.007**	**1.012311**	**1.080068**
globemulation	**1.045895**	**.0423981**	**1.11**	**0.268**	**.9660117**	**1.132384**
post90	**1.792903**	**2.035835**	**0.51**	**0.607**	**.1936513**	**16.59943**
gdp	**.776816**	**.1657123**	**-1.18**	**0.236**	**.511373**	**1.180045**
democratizingHG	**2.948973**	**1.44747**	**2.20**	**0.028**	**1.126856**	**7.717444**
democraticHG	**.6890947**	**.465785**	**-0.55**	**0.582**	**.1831976**	**2.592018**

62. eststo ffa2

63.
64. stcox EUpbcont regemulation globemulation post90 gdp democratizingHG democraticHG, v
> ce(robust)

failure _d: **PB**
analysis time _t: **age**
id: **id**

Iteration 0: log pseudolikelihood = **-32.740333**
Iteration 1: log pseudolikelihood = **-22.100826**
Iteration 2: log pseudolikelihood = **-21.106571**
Iteration 3: log pseudolikelihood = **-21.076638**
Iteration 4: log pseudolikelihood = **-21.076474**
Iteration 5: log pseudolikelihood = **-21.076474**
Refining estimates:
Iteration 0: log pseudolikelihood = **-21.076474**

Cox regression -- Breslow method for ties

No. of subjects = **27** Number of obs = **619**
No. of failures = **14**
Time at risk = **646**
Wald chi2(**7**) = **39.26**
Log pseudolikelihood = **-21.076474** Prob > chi2 = **0.0000**

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUpbcont	**1.027713**	**.0089486**	**3.14**	**0.002**	**1.010323**	**1.045403**
regemulation	**1.023963**	**.0181487**	**1.34**	**0.182**	**.9890032**	**1.060159**
globemulation	**1.076976**	**.0430557**	**1.85**	**0.064**	**.9958103**	**1.164758**
post90	**1.756196**	**1.775251**	**0.56**	**0.577**	**.2421785**	**12.73533**
gdp	**.6650465**	**.1648351**	**-1.65**	**0.100**	**.4091453**	**1.081002**
democratizingHG	**5.70978**	**3.459346**	**2.88**	**0.004**	**1.741436**	**18.72109**
democraticHG	**.6280443**	**.3964656**	**-0.74**	**0.461**	**.1822436**	**2.164354**

65. eststo ffa3

66.
67. *table
68. *ORDER

```
69. #delimit ;
  delimiter now ;
70. esttab ffa1 ffa2 ffa3
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox eu.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(EUfund EUcont EUpbcont regemulation globemulation post90 gdp democrati
  > zingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox eu.rtf)

71.  #delimit cr
  delimiter now cr
72.
73. *strata age
74.
75. stcox delegation pooling globemulation post90 gdp democratizingHG democraticHG, vce(
  > robust) strata(age)

           failure _d:  PB
     analysis time _t:  age
                   id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -19.473793
  Iteration 2:   log pseudolikelihood = -18.057857
  Iteration 3:   log pseudolikelihood = -17.870084
  Iteration 4:   log pseudolikelihood =  -17.86857
  Iteration 5:   log pseudolikelihood =  -17.86857
  Refining estimates:
  Iteration 0:   log pseudolikelihood =  -17.86857

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     34.64
  Log pseudolikelihood =    -17.86857                 Prob > chi2     =    0.0000

                                        (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     delegation |   1.142143   .0353956     4.29   0.000     1.074834    1.213668
        pooling |   .0061869   .0192359    -1.64   0.102      .000014    2.741434
  globemulation |   1.024292   .0413793     0.59   0.552     .9463182    1.108692
         post90 |   3.855615   3.209053     1.62   0.105     .7544545    19.70399
            gdp |    1.04728   .2776912     0.17   0.862     .6228202    1.761014
  democratizingHG |   4.83861   3.024932     2.52   0.012      1.42095     16.4764
   democraticHG |   .6557864   .5175181    -0.53   0.593     .1396469    3.079595
------------------------------------------------------------------------------
                                                                Stratified by age

76. eststo ffc1
```

```
77.
78. stcox avgdemocracy globemulation post90 gdp democratizingHG democraticHG, vce(robust
  > ) strata(age)

           failure _d:  PB
     analysis time _t:  age
                   id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -25.890415
  Iteration 2:   log pseudolikelihood = -25.084295
  Iteration 3:   log pseudolikelihood = -25.062422
  Iteration 4:   log pseudolikelihood = -25.062409
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -25.062409

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27               Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                    Wald chi2(6)    =     31.92
  Log pseudolikelihood =   -25.062409               Prob > chi2     =    0.0000

                                      (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   avgdemocracy |   1.134858   .1068816     1.34   0.179     .9435717    1.364923
  globemulation |   1.068505   .0398784     1.78   0.076      .993135    1.149595
         post90 |   2.065814   2.219724     0.68   0.500     .2514619    16.97111
            gdp |   .6953068   .1577857    -1.60   0.109     .4456702    1.084774
  democratizingHG |   2.496634   1.028085     2.22   0.026     1.113883      5.5959
     democraticHG |   .2835497     .20305    -1.76   0.078      .069676    1.153918
------------------------------------------------------------------------------
                                                          Stratified by age

79. eststo ffc2

80.
81. stcox demdensity globemulation post90 gdp democratizingHG democraticHG, vce(robust)
  > strata(age)

           failure _d:  PB
     analysis time _t:  age
                   id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -25.951267
  Iteration 2:   log pseudolikelihood = -25.254185
  Iteration 3:   log pseudolikelihood = -25.241728
  Iteration 4:   log pseudolikelihood = -25.241722
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -25.241722

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27               Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                    Wald chi2(6)    =     33.44
  Log pseudolikelihood =   -25.241722               Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
demdensity	**5.106169**	**6.830382**	**1.22**	**0.223**	**.3710791**	**70.26257**
globemulation	**1.063269**	**.0397309**	**1.64**	**0.101**	**.9881811**	**1.144062**
post90	**2.423077**	**2.492857**	**0.86**	**0.390**	**.3225914**	**18.20043**
gdp	**.7384041**	**.1632463**	**-1.37**	**0.170**	**.478752**	**1.138879**
democratizingHG	**2.756212**	**1.146154**	**2.44**	**0.015**	**1.21996**	**6.22701**
democraticHG	**.3010781**	**.2099554**	**-1.72**	**0.085**	**.0767534**	**1.181029**

Stratified by age

```
82. eststo ffc3

83.
84. stcox EUengagement regemulation globemulation post90 gdp democratizingHG democraticH
  > G, vce(robust) strata(age)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -22.209451
  Iteration 2:   log pseudolikelihood = -20.306001
  Iteration 3:   log pseudolikelihood = -20.254795
  Iteration 4:   log pseudolikelihood = -20.254662
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -20.254662

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     54.66
  Log pseudolikelihood =   -20.254662                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUengagement	**1.762346**	**.2775906**	**3.60**	**0.000**	**1.294246**	**2.399748**
regemulation	**1.060299**	**.0216219**	**2.87**	**0.004**	**1.018756**	**1.103535**
globemulation	**1.042048**	**.0451616**	**0.95**	**0.342**	**.9571882**	**1.134431**
post90	**1.762983**	**1.954928**	**0.51**	**0.609**	**.2006191**	**15.4926**
gdp	**.7247748**	**.171577**	**-1.36**	**0.174**	**.4557188**	**1.152681**
democratizingHG	**2.276934**	**1.02152**	**1.83**	**0.067**	**.9450801**	**5.485703**
democraticHG	**.6844486**	**.432003**	**-0.60**	**0.548**	**.19865**	**2.358268**

Stratified by age

```
85. eststo ffc4

86.
87. stcox delegation avgdemocracy EUengagement regemulation globemulation post90 gdp dem
  > ocratizingHG democraticHG, vce(robust) strata(age)

          failure _d:  PB
    analysis time _t:  age
                  id:  id
```

```
Iteration 0:   log pseudolikelihood = -32.273338
Iteration 1:   log pseudolikelihood = -18.032692
Iteration 2:   log pseudolikelihood = -16.925111
Iteration 3:   log pseudolikelihood = -15.801647
Iteration 4:   log pseudolikelihood = -15.749638
Iteration 5:   log pseudolikelihood = -15.749178
Iteration 6:   log pseudolikelihood = -15.749178
Refining estimates:
Iteration 0:   log pseudolikelihood = -15.749178

Stratified Cox regr. -- Breslow method for ties

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(9)    =     91.54
Log pseudolikelihood =   -15.749178                 Prob > chi2     =    0.0000

                                  (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     delegation |   1.104427   .0333261     3.29   0.001     1.041003    1.171715
   avgdemocracy |   .9345054   .0997373    -0.63   0.526     .7581155    1.151936
   EUengagement |   1.669162   .2811985     3.04   0.002     1.199773     2.32219
   regemulation |   1.055368   .0313924     1.81   0.070     .9955991    1.118725
  globemulation |   1.007337   .0610139     0.12   0.904     .8945778     1.13431
         post90 |   2.168301   2.477391     0.68   0.498     .2309827    20.35446
            gdp |    1.24522   .3819277     0.72   0.475     .6826056    2.271551
democratizingHG |   4.194328   2.615212     2.30   0.021     1.235743    14.23628
   democraticHG |   .5888399   .5671936    -0.55   0.582     .0891429    3.889626
------------------------------------------------------------------------------
                                                              Stratified by age

88. eststo ffc5

89.
90. *table
91. *ORDER
92. #delimit ;
  delimiter now ;
93. esttab ffc1 ffc2 ffc3 ffc4 ffc5
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox age.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(pooling delegation avgdemocracy demdensity EUengagement regemulation g
  > lobemulation post90 gdp democratizingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox age.rtf)

94.  #delimit cr
  delimiter now cr
95.
96. *strata age year
97.
98. stcox delegation pooling year gdp democratizingHG democraticHG, vce(robust) strata(a
  > ge)

        failure _d:  PB
  analysis time _t:  age
                id:  id
```

```
Iteration 0:   log pseudolikelihood = -32.273338
Iteration 1:   log pseudolikelihood = -20.272086
Iteration 2:   log pseudolikelihood = -19.346041
Iteration 3:   log pseudolikelihood = -19.142813
Iteration 4:   log pseudolikelihood = -19.140493
Iteration 5:   log pseudolikelihood = -19.140493
Refining estimates:
Iteration 0:   log pseudolikelihood = -19.140493

Stratified Cox regr. -- Breslow method for ties

No. of subjects      =           27               Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                  Wald chi2(6)    =     40.82
Log pseudolikelihood =   -19.140493               Prob > chi2     =    0.0000

                                      (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     delegation |   1.133522   .0277983     5.11   0.000     1.080327    1.189336
        pooling |   .0117044   .0358977    -1.45   0.147     .0000287    4.775249
           year |   1.036477   .0341246     1.09   0.277     .9717064    1.105565
            gdp |    1.05035   .2580945     0.20   0.842     .6488953    1.700173
democratizingHG |   5.359089   3.260893     2.76   0.006     1.626121    17.66156
   democraticHG |   .7052469   .5084325    -0.48   0.628     .1716666    2.897321
------------------------------------------------------------------------------
                                                              Stratified by age

99. eststo ffcx1

100
101 stcox avgdemocracy year gdp democratizingHG democraticHG, vce(robust) strata(age)

           failure _d:  PB
     analysis time _t:  age
                  id:  id

Iteration 0:   log pseudolikelihood = -32.273338
Iteration 1:   log pseudolikelihood = -27.656909
Iteration 2:   log pseudolikelihood =  -26.92114
Iteration 3:   log pseudolikelihood = -26.894292
Iteration 4:   log pseudolikelihood = -26.894278
Refining estimates:
Iteration 0:   log pseudolikelihood = -26.894278

Stratified Cox regr. -- Breslow method for ties

No. of subjects      =           27               Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                  Wald chi2(5)    =     27.27
Log pseudolikelihood =   -26.894278               Prob > chi2     =    0.0001

                                      (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   avgdemocracy |   1.143977   .0981231     1.57   0.117     .9669558    1.353406
           year |   1.058956    .038535     1.57   0.115     .9860593    1.137242
            gdp |   .6670531   .1483761    -1.82   0.069     .4313434    1.031567
democratizingHG |   2.760278   1.161115     2.41   0.016     1.210302    6.295235
   democraticHG |   .3306353   .2167772    -1.69   0.091     .0914679     1.19517
------------------------------------------------------------------------------
                                                              Stratified by age
```

```
102 eststo ffcx2

103
104 stcox demdensity year gdp democratizingHG democraticHG, vce(robust) strata(age)

           failure _d:  PB
     analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -27.842855
  Iteration 2:   log pseudolikelihood = -27.175519
  Iteration 3:   log pseudolikelihood =   -27.1591
  Iteration 4:   log pseudolikelihood = -27.159093
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -27.159093

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(5)    =     23.12
  Log pseudolikelihood =   -27.159093                 Prob > chi2     =    0.0003

                                      (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     demdensity |   6.000773   7.936523     1.35   0.175     .4491819    80.16637
           year |   1.061237   .0357868     1.76   0.078     .9933639    1.133748
            gdp |   .7215522   .1523791    -1.55   0.122     .4769897    1.091507
democratizingHG |   3.050217    1.30442     2.61   0.009     1.319215    7.052543
   democraticHG |   .3366163   .2231427    -1.64   0.100     .0918067     1.23423
------------------------------------------------------------------------------
                                                                Stratified by age

105 eststo ffcx3

106
107 stcox EUengagement regemulation year gdp democratizingHG democraticHG, vce(robust) s
  > trata(age)

           failure _d:  PB
     analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -22.921053
  Iteration 2:   log pseudolikelihood = -21.440704
  Iteration 3:   log pseudolikelihood = -21.410066
  Iteration 4:   log pseudolikelihood = -21.410044
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -21.410044

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(6)    =     29.60
  Log pseudolikelihood =   -21.410044                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUengagement	**1.719641**	**.2352039**	**3.96**	**0.000**	**1.315269**	**2.248334**
regemulation	**1.063892**	**.0208054**	**3.17**	**0.002**	**1.023886**	**1.105461**
year	**1.011557**	**.0433979**	**0.27**	**0.789**	**.929977**	**1.100294**
gdp	**.5966287**	**.1459914**	**-2.11**	**0.035**	**.3693349**	**.9638023**
democratizingHG	**1.919875**	**.9088062**	**1.38**	**0.168**	**.7591748**	**4.855165**
democraticHG	**1.045717**	**.6404806**	**0.07**	**0.942**	**.3148258**	**3.473425**

Stratified by age

```
108 eststo ffcx4

109
110 stcox delegation avgdemocracy EUengagement regemulation year gdp democratizingHG dem
  > ocraticHG, vce(robust) strata(age)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Iteration 0:   log pseudolikelihood = -32.273338
  Iteration 1:   log pseudolikelihood = -17.971573
  Iteration 2:   log pseudolikelihood = -16.964135
  Iteration 3:   log pseudolikelihood =  -16.11233
  Iteration 4:   log pseudolikelihood = -16.075526
  Iteration 5:   log pseudolikelihood = -16.075328
  Iteration 6:   log pseudolikelihood = -16.075328
  Refining estimates:
  Iteration 0:   log pseudolikelihood = -16.075328

  Stratified Cox regr. -- Breslow method for ties

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(8)    =     33.35
  Log pseudolikelihood =   -16.075328                 Prob > chi2     =    0.0001
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
delegation	**1.111502**	**.0338647**	**3.47**	**0.001**	**1.047071**	**1.179897**
avgdemocracy	**.916542**	**.0871297**	**-0.92**	**0.359**	**.7607362**	**1.104258**
EUengagement	**1.67497**	**.2475612**	**3.49**	**0.000**	**1.253716**	**2.237767**
regemulation	**1.062999**	**.0302044**	**2.15**	**0.032**	**1.005417**	**1.123878**
year	**.985592**	**.0286583**	**-0.50**	**0.618**	**.9309933**	**1.043393**
gdp	**1.144026**	**.3487456**	**0.44**	**0.659**	**.6294411**	**2.079298**
democratizingHG	**3.960577**	**2.543531**	**2.14**	**0.032**	**1.124881**	**13.94474**
democraticHG	**.8606087**	**.6109239**	**-0.21**	**0.833**	**.2140719**	**3.459806**

Stratified by age

```
111 eststo ffcx5
```

```
112
113 *table
114 *ORDER
115 #delimit ;
  delimiter now ;
116 esttab ffcx1 ffcx2 ffcx3 ffcx4 ffcx5
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox age year.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(pooling delegation avgdemocracy demdensity EUengagement regemulation y
  > ear gdp democratizingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox age year.rtf)

117  #delimit cr
  delimiter now cr
118
119 *weibull
120
121 streg pooling delegation globemulation post90 gdp democratizingHG democraticHG, vce(
  > robust) d(w)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358325
  Iteration 1:   log pseudolikelihood = -26.318197
  Iteration 2:   log pseudolikelihood = -26.318184
  Iteration 3:   log pseudolikelihood = -26.318184

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.318184
  Iteration 1:   log pseudolikelihood = -26.244589
  Iteration 2:   log pseudolikelihood = -4.0045782
  Iteration 3:   log pseudolikelihood = -3.4612697
  Iteration 4:   log pseudolikelihood = -3.4416598
  Iteration 5:   log pseudolikelihood = -3.4416007
  Iteration 6:   log pseudolikelihood = -3.4416007

  Weibull regression -- log relative-hazard form

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     84.54
  Log pseudolikelihood =   -3.4416007                 Prob > chi2     =    0.0000

                                       (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
        pooling |   .0254104   .0613456    -1.52   0.128     .0002239    2.883892
     delegation |   1.154631   .0378761     4.38   0.000     1.082731    1.231305
  globemulation |   1.029154   .0449062     0.66   0.510      .944798    1.121042
         post90 |    3.13246    3.58016     1.00   0.318     .3334477    29.42681
            gdp |   1.132225   .3641179     0.39   0.699     .6028243    2.126547
democratizingHG |   5.137785   2.842588     2.96   0.003     1.737123    15.19572
   democraticHG |   1.141174   .7724937     0.20   0.845      .302795    4.300856
          _cons |   .0005021   .0015837    -2.41   0.016     1.04e-06     .243161
----------------+-------------------------------------------------------------
          /ln_p |  -.6003723   .3007206    -2.00   0.046    -1.189774   -.0109706
----------------+-------------------------------------------------------------
              p |   .5486074   .1649776                      .3042901    .9890893
            1/p |   1.822797   .5481528                      1.011031    3.286338
------------------------------------------------------------------------------
```

```
122 eststo ffd1

123
124 streg avgdemocracy globemulation post90 gdp democratizingHG democraticHG, vce(robust
  > ) d(w)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358325
  Iteration 1:   log pseudolikelihood = -26.318197
  Iteration 2:   log pseudolikelihood = -26.318184
  Iteration 3:   log pseudolikelihood = -26.318184

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.318184
  Iteration 1:   log pseudolikelihood = -19.924262
  Iteration 2:   log pseudolikelihood = -17.781209
  Iteration 3:   log pseudolikelihood = -17.744425
  Iteration 4:   log pseudolikelihood =  -17.74429
  Iteration 5:   log pseudolikelihood =  -17.74429

  Weibull regression -- log relative-hazard form

  No. of subjects      =           27               Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                    Wald chi2(6)    =     43.17
  Log pseudolikelihood =    -17.74429               Prob > chi2     =    0.0000

                                       (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   avgdemocracy |   1.077651   .0949021     0.85   0.396     .9068134    1.280673
  globemulation |   1.070741   .0357682     2.05   0.041     1.002882    1.143191
         post90 |   1.487617   1.667859     0.35   0.723     .1652559    13.39139
            gdp |   .7408985   .1771234    -1.25   0.210     .4637305    1.183728
democratizingHG |   3.901764   1.633366     3.25   0.001     1.717627    8.863253
   democraticHG |   .5144914   .3255918    -1.05   0.294     .1488339    1.778502
          _cons |   .0172691    .033555    -2.09   0.037     .0003831     .778408
----------------+-------------------------------------------------------------
          /ln_p |  -.1099897   .2559563    -0.43   0.667    -.6116548    .3916754
----------------+-------------------------------------------------------------
              p |   .8958434   .2292968                      .5424525    1.479457
            1/p |   1.116267   .2857155                      .6759235     1.84348
------------------------------------------------------------------------------

125 eststo ffd2

126
127 streg demdensity globemulation post90 gdp democratizingHG democraticHG, vce(robust)
  > d(w)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358325
  Iteration 1:   log pseudolikelihood = -26.318197
  Iteration 2:   log pseudolikelihood = -26.318184
  Iteration 3:   log pseudolikelihood = -26.318184
```

```
Fitting full model:

Iteration 0:   log pseudolikelihood = -26.318184
Iteration 1:   log pseudolikelihood = -19.970252
Iteration 2:   log pseudolikelihood = -17.647163
Iteration 3:   log pseudolikelihood = -17.596528
Iteration 4:   log pseudolikelihood = -17.596348
Iteration 5:   log pseudolikelihood = -17.596348

Weibull regression -- log relative-hazard form

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(6)    =     44.42
Log pseudolikelihood =   -17.596348                 Prob > chi2     =    0.0000

                                       (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     demdensity |   3.816944   5.281829     0.97   0.333      .253417    57.49045
  globemulation |   1.072628   .0360679     2.09   0.037     1.004216    1.145701
         post90 |   1.610016   1.748963     0.44   0.661     .1914999    13.53604
            gdp |   .7377278   .1734376    -1.29   0.196     .4653515    1.169529
democratizingHG |   4.029583    1.66306     3.38   0.001     1.794562    9.048192
   democraticHG |   .4755759   .2923153    -1.21   0.227     .1425687     1.58641
          _cons |   .0206902   .0423823    -1.89   0.058     .0003734    1.146528
----------------+-------------------------------------------------------------
          /ln_p |  -.0769372   .2465954    -0.31   0.755    -.5602553    .4063809
----------------+-------------------------------------------------------------
              p |    .925948   .2283345                      .5710633    1.501374
            1/p |   1.079974   .2663167                      .6660564    1.751119
------------------------------------------------------------------------------

128 eststo ffd3

129
130 streg EUengagement regemulation globemulation post90 gdp democratizingHG democraticH
  > G, vce(robust) d(w)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

Fitting constant-only model:

Iteration 0:   log pseudolikelihood = -26.358325
Iteration 1:   log pseudolikelihood = -26.318197
Iteration 2:   log pseudolikelihood = -26.318184
Iteration 3:   log pseudolikelihood = -26.318184

Fitting full model:

Iteration 0:   log pseudolikelihood = -26.318184
Iteration 1:   log pseudolikelihood = -16.728081
Iteration 2:   log pseudolikelihood =  -11.12607
Iteration 3:   log pseudolikelihood = -11.055284
Iteration 4:   log pseudolikelihood = -11.055028
Iteration 5:   log pseudolikelihood = -11.055028

Weibull regression -- log relative-hazard form

No. of subjects      =           27                 Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                    Wald chi2(7)    =     44.74
Log pseudolikelihood =   -11.055028                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
EUengagement	**1.711838**	**.2655128**	**3.47**	**0.001**	**1.263101**	**2.319997**
regemulation	**1.046113**	**.0156587**	**3.01**	**0.003**	**1.015869**	**1.077258**
globemulation	**1.04235**	**.0302587**	**1.43**	**0.153**	**.9846999**	**1.103376**
post90	**1.148579**	**1.417181**	**0.11**	**0.911**	**.1023058**	**12.895**
gdp	**.6846351**	**.1745615**	**-1.49**	**0.137**	**.4153633**	**1.12847**
democratizingHG	**2.579858**	**1.41081**	**1.73**	**0.083**	**.8833061**	**7.534948**
democraticHG	**1.272306**	**.8504002**	**0.36**	**0.719**	**.343285**	**4.715508**
_cons	**.0314537**	**.0563982**	**-1.93**	**0.054**	**.0009363**	**1.056628**
/ln_p	**-.2181815**	**.2707352**	**-0.81**	**0.420**	**-.7488127**	**.3124496**
p	**.8039795**	**.2176655**			**.4729277**	**1.366769**
1/p	**1.243813**	**.3367439**			**.7316525**	**2.114488**

```
131 eststo ffd4

132
133 streg delegation avgdemocracy EUengagement regemulation globemulation post90 gdp dem
  > ocratizingHG democraticHG, vce(robust) d(w)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358325
  Iteration 1:   log pseudolikelihood = -26.318197
  Iteration 2:   log pseudolikelihood = -26.318184
  Iteration 3:   log pseudolikelihood = -26.318184

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.318184
  Iteration 1:   log pseudolikelihood = -9.6830063
  Iteration 2:   log pseudolikelihood =   -2.95981
  Iteration 3:   log pseudolikelihood = -1.0853992
  Iteration 4:   log pseudolikelihood = -1.0554411
  Iteration 5:   log pseudolikelihood = -1.0553133
  Iteration 6:   log pseudolikelihood = -1.0553132

  Weibull regression -- log relative-hazard form

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(9)    =     85.72
  Log pseudolikelihood =   -1.0553132                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
delegation	**1.130239**	**.0370625**	**3.73**	**0.000**	**1.059883**	**1.205265**
avgdemocracy	**.9315969**	**.0906635**	**-0.73**	**0.467**	**.7698192**	**1.127372**
EUengagement	**1.454625**	**.1988331**	**2.74**	**0.006**	**1.112756**	**1.901525**
regemulation	**1.040338**	**.021197**	**1.94**	**0.052**	**.9996112**	**1.082724**
globemulation	**.9801782**	**.050657**	**-0.39**	**0.698**	**.8857552**	**1.084667**
post90	**2.482121**	**3.024727**	**0.75**	**0.456**	**.2277948**	**27.04594**
gdp	**1.054669**	**.3556933**	**0.16**	**0.875**	**.5445572**	**2.042626**
democratizingHG	**2.796097**	**1.784736**	**1.61**	**0.107**	**.8002659**	**9.769455**
democraticHG	**1.523672**	**1.332288**	**0.48**	**0.630**	**.2745407**	**8.456215**
_cons	**.0024975**	**.0076542**	**-1.96**	**0.051**	**6.15e-06**	**1.014507**
/ln_p	**-.7416382**	**.3376747**	**-2.20**	**0.028**	**-1.403468**	**-.0798079**

p	**.476333**	**.1608456**	**.2457431**	**.9232937**
1/p	**2.099372**	**.7089048**	**1.083079**	**4.06929**

```
134 eststo ffd5

135
136 *table
137 *ORDER
138 #delimit ;
  delimiter now ;
139 esttab ffd1 ffd2 ffd3 ffd4 ffd5
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox weibull.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(pooling delegation avgdemocracy demdensity EUengagement regemulation g
  > lobemulation post90 gdp democratizingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox weibull.rtf)

140  #delimit cr
  delimiter now cr
141
142 *gompertz
143
144 streg pooling delegation globemulation post90 gdp democratizingHG democraticHG, vce(
  > robust) d(gompertz)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358352
  Iteration 1:   log pseudolikelihood = -26.316058
  Iteration 2:   log pseudolikelihood = -26.315876
  Iteration 3:   log pseudolikelihood = -26.315876

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.315876
  Iteration 1:   log pseudolikelihood = -10.603054
  Iteration 2:   log pseudolikelihood = -5.0408705
  Iteration 3:   log pseudolikelihood = -3.3104816
  Iteration 4:   log pseudolikelihood = -3.2743136
  Iteration 5:   log pseudolikelihood = -3.2741632
  Iteration 6:   log pseudolikelihood = -3.2741632

  Gompertz regression -- log relative-hazard form

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(7)    =     81.53
  Log pseudolikelihood =   -3.2741632                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
pooling	**.0308113**	**.0813003**	**-1.32**	**0.187**	**.0001749**	**5.429196**
delegation	**1.153678**	**.0353012**	**4.67**	**0.000**	**1.086523**	**1.224984**
globemulation	**1.024661**	**.0452966**	**0.55**	**0.582**	**.9396187**	**1.1174**
post90	**3.421818**	**4.112807**	**1.02**	**0.306**	**.3244645**	**36.08667**
gdp	**1.169932**	**.3509331**	**0.52**	**0.601**	**.6498813**	**2.10614**
democratizingHG	**5.229572**	**2.925432**	**2.96**	**0.003**	**1.747039**	**15.65416**
democraticHG	**1.179551**	**.8175533**	**0.24**	**0.812**	**.3032106**	**4.588695**
_cons	**.0001301**	**.0003859**	**-3.02**	**0.003**	**3.89e-07**	**.0435204**
/gamma	**-.0307225**	**.0199729**	**-1.54**	**0.124**	**-.0698686**	**.0084237**

```
145 eststo ffe1

146
147 streg avgdemocracy globemulation post90 gdp democratizingHG democraticHG, vce(robust
  > ) d(gompertz)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358352
  Iteration 1:   log pseudolikelihood = -26.316058
  Iteration 2:   log pseudolikelihood = -26.315876
  Iteration 3:   log pseudolikelihood = -26.315876

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.315876
  Iteration 1:   log pseudolikelihood = -19.593256
  Iteration 2:   log pseudolikelihood = -17.655069
  Iteration 3:   log pseudolikelihood = -17.623415
  Iteration 4:   log pseudolikelihood = -17.623315
  Iteration 5:   log pseudolikelihood = -17.623315

  Gompertz regression -- log relative-hazard form

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(6)    =     41.59
  Log pseudolikelihood =   -17.623315                 Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
avgdemocracy	**1.079425**	**.096378**	**0.86**	**0.392**	**.9061324**	**1.285858**
globemulation	**1.07148**	**.0360563**	**2.05**	**0.040**	**1.003091**	**1.144532**
post90	**1.484483**	**1.664481**	**0.35**	**0.725**	**.1648782**	**13.36556**
gdp	**.7561745**	**.178999**	**-1.18**	**0.238**	**.4754759**	**1.202584**
democratizingHG	**3.900908**	**1.684024**	**3.15**	**0.002**	**1.673793**	**9.091379**
democraticHG	**.5275777**	**.3326096**	**-1.01**	**0.310**	**.1533378**	**1.815196**
_cons	**.0116138**	**.02035**	**-2.54**	**0.011**	**.0003745**	**.3601432**
/gamma	**-.0087886**	**.0144863**	**-0.61**	**0.544**	**-.0371812**	**.0196041**

```
148 eststo ffe2

149
150 streg demdensity globemulation post90 gdp democratizingHG democraticHG, vce(robust)
  > d(gompertz)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358352
  Iteration 1:   log pseudolikelihood = -26.316058
  Iteration 2:   log pseudolikelihood = -26.315876
  Iteration 3:   log pseudolikelihood = -26.315876

  Fitting full model:

  Iteration 0:   log pseudolikelihood = -26.315876
  Iteration 1:   log pseudolikelihood = -19.668162
  Iteration 2:   log pseudolikelihood =  -17.54952
  Iteration 3:   log pseudolikelihood = -17.503772
  Iteration 4:   log pseudolikelihood = -17.503601
  Iteration 5:   log pseudolikelihood = -17.503601

  Gompertz regression -- log relative-hazard form

  No. of subjects      =           27                 Number of obs   =       619
  No. of failures      =           14
  Time at risk         =          646
                                                      Wald chi2(6)    =     45.04
  Log pseudolikelihood =   -17.503601                 Prob > chi2     =    0.0000

                                       (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
     demdensity |   3.782708   5.108051     0.99   0.325      .2681431    53.36284
  globemulation |   1.073561   .0362576     2.10   0.036      1.004798    1.147029
         post90 |   1.609351   1.747249     0.44   0.661       .191652    13.51413
            gdp |   .7532205   .1738308    -1.23   0.219      .4791583    1.184037
democratizingHG |   4.023582   1.708536     3.28   0.001      1.750518    9.248241
   democraticHG |    .488582   .3006414    -1.16   0.244      .1462729    1.631966
          _cons |   .0152151   .0284404    -2.24   0.025      .0003901    .5934146
----------------+-------------------------------------------------------------
         /gamma |  -.0071602    .013361    -0.54   0.592     -.0333472    .0190268
------------------------------------------------------------------------------

151 eststo ffe3

152
153 streg EUengagement regemulation globemulation post90 gdp democratizingHG democraticH
  > G, vce(robust) d(gompertz)

          failure _d:  PB
    analysis time _t:  age
                  id:  id

  Fitting constant-only model:

  Iteration 0:   log pseudolikelihood = -26.358352
  Iteration 1:   log pseudolikelihood = -26.316058
  Iteration 2:   log pseudolikelihood = -26.315876
  Iteration 3:   log pseudolikelihood = -26.315876

  Fitting full model:
```

```
Iteration 0:   log pseudolikelihood = -26.315876
Iteration 1:   log pseudolikelihood = -15.951173
Iteration 2:   log pseudolikelihood = -10.750526
Iteration 3:   log pseudolikelihood = -10.707423
Iteration 4:   log pseudolikelihood = -10.707307
Iteration 5:   log pseudolikelihood = -10.707307

Gompertz regression -- log relative-hazard form

No. of subjects      =           27               Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                  Wald chi2(7)    =     48.78
Log pseudolikelihood =   -10.707307               Prob > chi2     =    0.0000

                                      (Std. Err. adjusted for 27 clusters in id)
------------------------------------------------------------------------------
             _t | Haz. Ratio   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
----------------+-------------------------------------------------------------
   EUengagement |   1.731114   .2543617     3.73   0.000     1.297939    2.308858
    regemulation |   1.046725   .0150109     3.18   0.001     1.017714    1.076564
  globemulation |   1.046743   .0313356     1.53   0.127      .987093    1.109997
         post90 |   1.135236   1.376736     0.10   0.917      .105392    12.22826
            gdp |   .7383324   .1952964    -1.15   0.251     .4396433    1.239948
democratizingHG |    2.75136    1.53965     1.81   0.071      .918795    8.239033
   democraticHG |   1.276063   .8154149     0.38   0.703     .3647098    4.464748
          _cons |   .0109401   .0214747    -2.30   0.021     .0002334     .512716
----------------+-------------------------------------------------------------
         /gamma |  -.0202874   .0164577    -1.23   0.218    -.0525439    .0119691
------------------------------------------------------------------------------

154 eststo ffe4

155
156 streg delegation avgdemocracy EUengagement regemulation globemulation post90 gdp dem
  > ocratizingHG democraticHG, vce(robust) d(gompertz)

        failure _d:  PB
  analysis time _t:  age
               id:  id

Fitting constant-only model:

Iteration 0:   log pseudolikelihood = -26.358352
Iteration 1:   log pseudolikelihood = -26.316058
Iteration 2:   log pseudolikelihood = -26.315876
Iteration 3:   log pseudolikelihood = -26.315876

Fitting full model:

Iteration 0:   log pseudolikelihood = -26.315876
Iteration 1:   log pseudolikelihood = -9.2340865
Iteration 2:   log pseudolikelihood = -2.5548796
Iteration 3:   log pseudolikelihood = -.59827512
Iteration 4:   log pseudolikelihood = -.55181394
Iteration 5:   log pseudolikelihood = -.55161237
Iteration 6:   log pseudolikelihood = -.55161236

Gompertz regression -- log relative-hazard form

No. of subjects      =           27               Number of obs   =       619
No. of failures      =           14
Time at risk         =          646
                                                  Wald chi2(9)    =     95.78
Log pseudolikelihood =   -.55161236               Prob > chi2     =    0.0000
```

(Std. Err. adjusted for **27** clusters in id)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
delegation	**1.129628**	**.0351723**	**3.91**	**0.000**	**1.062753**	**1.200711**
avgdemocracy	**.9184154**	**.0953778**	**-0.82**	**0.413**	**.7492755**	**1.125737**
EUengagement	**1.486828**	**.2239187**	**2.63**	**0.008**	**1.106798**	**1.997344**
regemulation	**1.042215**	**.0211807**	**2.03**	**0.042**	**1.001518**	**1.084566**
globemulation	**.9768796**	**.0523904**	**-0.44**	**0.663**	**.8794088**	**1.085154**
post90	**3.029349**	**3.679235**	**0.91**	**0.361**	**.2802462**	**32.74606**
gdp	**1.140324**	**.3743987**	**0.40**	**0.689**	**.5991783**	**2.170203**
democratizingHG	**2.973689**	**1.882124**	**1.72**	**0.085**	**.8600985**	**10.28118**
democraticHG	**1.64702**	**1.513048**	**0.54**	**0.587**	**.2721047**	**9.969233**
_cons	**.0003839**	**.0011228**	**-2.69**	**0.007**	**1.24e-06**	**.1184835**
/gamma	**-.0402085**	**.0191878**	**-2.10**	**0.036**	**-.0778158**	**-.0026011**

```
157 eststo ffe5

158
159 *table
160 *ORDER
161 #delimit ;
  delimiter now ;
162 esttab ffe1 ffe2 ffe3 ffe4 ffe5
  >         using "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival
  > \v5\isq\pb cox gompertz.rtf"
  >         ,star(* 0.1 ** 0.05 *** 0.01) b(3) se(3) label nomtitle onecell nogaps title
  > ("") replace
  >         order(pooling delegation avgdemocracy demdensity EUengagement regemulation g
  > lobemulation post90 gdp democratizingHG democraticHG)
  >         stats(N chi2 p, fmt(3) label("N" "Wald chi2" "Prob > chi2")) eform
  > ;
  (output written to D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\surviv
  > al\v5\isq\pb cox gompertz.rtf)

163  #delimit cr
  delimiter now cr
164
165 *********
166
167 *figures
168
169 *count
170
171 egen ttl=count(id), by(year)

172 xtset id year, yearly
         panel variable:  id (unbalanced)
          time variable:  year, 1950 to 2010
                  delta:  1 year

173 #delimit ;
  delimiter now ;
174 graph twoway
  >         tsline PBcount, lw(medthick) lc("120 120 120")
  >         || tsline ttl, lw(medthick) lc("0 0 0")
  >         ||, tlabel(1950(10)2010) ylabel(0(5)35, grid glw(vthin) glc("200 200 200"))
  > xtitle("Year", margin(2 2 2 2)) ytitle("Number of ROs", margin(2 2 2 2))
  >         legend(size(medlarge) order(1 "with parliament" 2 "total") keygap(0.5) bm(ze
  > ro))
  >         graphregion(margin(l=2 r=8 b=2 t=8)) graphregion(color(white) lwidth(vthick)
  > ) plotregion(icolor(white) m(zero)) name(ttl, replace) xsize(6) ysize(4)
  > ;
```

```
175  #delimit cr
  delimiter now cr
176 graph export "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\
  > v5\isq\ISQ fig1.png", replace width(600) height(400)
  (file D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\v5\isq\ISQ
  >  fig1.png written in PNG format)

177 xtset, clear

178 drop ttl

179
180 *survival functions
181
182 replace delegation=delegation/100
  (1328 real changes made)

183 sum delegation EUengagement regemulation

    Variable |        Obs        Mean    Std. Dev.       Min        Max
-------------+---------------------------------------------------------
  delegation |       1371    .2169996    .1636659          0   .7878788
EUengagement |       1312    .9946646    1.674724          0          6
regemulation |       1371    25.16411    25.14045          0         80

184 egen delx=cut(delegation), icodes at(-0.1,0.21,1.1)

185 egen pbeux=cut(EUengagement), icodes at(-0.1,1,6.1)
  (59 missing values generated)

186 egen pbrx=cut(regemulation), icodes at(-0.1,25.1,80.1)

187
188 #delimit ;
  delimiter now ;
189 sts graph, failure by(delx) tmax(60) xtitle("RO age", c(black) size(medlarge) margin
  > (0 0 2 2)) title("Delegation", c(black) margin(0 0 2 0)) yscale(r(., 1))
  > tlabel(0(5)60) ylabel(0(0.1)1, grid glw(vthin) glc("200 200 200") format(%4.2g))
  > legend(size(medlarge) order(1 "low" 2 "high") keygap(0.5) bm(zero))
  > plot1(lw(medthick) lc("0 0 0")) plot2(lw(medthick) lc("120 120 120"))
  > graphregion(margin(l=2 r=8 b=2 t=2)) graphregion(color(white) lwidth(vthick)) plotre
  > gion(icolor(white) m(zero)) name(delx, replace)
  > ;

           failure _d:  PB
     analysis time _t:  age
                   id:  id

190  #delimit cr
  delimiter now cr
191 #delimit ;
  delimiter now ;
192 sts graph, failure by(pbeux) tmax(60) xtitle("RO age", c(black) size(medlarge) margi
  > n(0 0 2 2)) title("EU engagement", c(black) margin(0 0 2 0)) yscale(r(., 1))
  > tlabel(0(5)60) ylabel(0(0.1)1, grid glw(vthin) glc("200 200 200") format(%4.2g))
  > legend(size(medlarge) order(1 "low" 2 "high") keygap(0.5) bm(zero))
  > plot1(lw(medthick) lc("0 0 0")) plot2(lw(medthick) lc("120 120 120"))
  > graphregion(margin(l=2 r=8 b=2 t=2)) graphregion(color(white) lwidth(vthick)) plotre
  > gion(icolor(white) m(zero)) name(pbeux, replace)
  > ;

           failure _d:  PB
     analysis time _t:  age
                   id:  id
```

```
193  #delimit cr
  delimiter now cr
194 #delimit ;
  delimiter now ;
195 sts graph, failure by(pbrx) tmax(60) xtitle("RO age", c(black) size(medlarge) margin
  > (0 0 2 2)) title("Regional emulation", c(black) margin(0 0 2 0)) yscale(r(., 1))
  > tlabel(0(5)60) ylabel(0(0.1)1, grid glw(vthin) glc("200 200 200") format(%4.2g))
  > legend(size(medlarge) order(1 "low" 2 "high") keygap(0.5) bm(zero))
  > plot1(lw(medthick) lc("0 0 0")) plot2(lw(medthick) lc("120 120 120"))
  > graphregion(margin(l=2 r=8 b=2 t=2)) graphregion(color(white) lwidth(vthick)) plotre
  > gion(icolor(white) m(zero)) name(pbrx, replace)
  > ;

           failure _d:  PB
     analysis time _t:  age
                   id:  id

196  #delimit cr
  delimiter now cr
197 graph combine delx pbeux pbrx, xsize(12) ysize(4) graphregion(margin(l=2 r=2 b=4 t=4
  > )) graphregion(color(white) lwidth(vthick)) iscale(0.9) rows(1)

198 graph export "D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\
  > v5\isq\ISQ fig2.png", replace width(1200) height(400)
  (file D:\Dropbox\0 project\crepuscular 2 B\00 data raw\parliaments\survival\v5\isq\ISQ
  >  fig2.png written in PNG format)

199
200 drop delx pbeux pbrx

201
202 *********
203
204 *CLEANUP
205 macro drop _all

206
207 #delimit ;
  delimiter now ;
```