Statistics/Data analysis

```
      name:  <unnamed>
       log:  C:\Users\Brady\Dropbox\Econometrics\Conflict Frequency and Cultural Value
> s\con_freq_value_actual.smcl
  log type:  smcl
 opened on:   4 Dec 2023, 23:44:09

1 . use "Datasets\sub_con_m_origin"

2 .
3 . ** Reorder and sort data for easier readability.**
4 . order index country conflict_duration

5 .
6 . ** Further clean data for model building.**
7 .
8 . * Drop missing or unusable Survey Answers.
9 . replace Q1 = . if Q1 < 0
  (25 real changes made, 25 to missing)

10. replace Q176 = . if Q176 < 0
  (0 real changes made)

11. replace Q179 = . if Q179 < 0
  (93 real changes made, 93 to missing)

12. replace Q191 = . if Q191 < 0
  (0 real changes made)

13. replace Q194 = . if Q194 < 0
  (0 real changes made)

14. replace Q262 = . if Q262 < 0
  (0 real changes made)

15.
16. * Create some dummy variables.
17. gen low_inc = (incomeWB == 1)

18. gen lmiddle_inc = (incomeWB == 2)

19. gen umiddle_inc = (incomeWB == 3)

20. gen upper_inc = (incomeWB == 4)

21.
22. ** Summary Statistics **
23. tab Q1
```

Q1	Freq.	Percent	Cum.
1	41,474	91.79	91.79
2	3,360	7.44	99.23
3	266	0.59	99.81
4	84	0.19	100.00
Total	45,184	100.00	

```
24. tab Q176
```

Q176	Freq.	Percent	Cum.
1	6,620	14.64	14.64
2	2,579	5.70	20.35
3	3,713	8.21	28.56
4	3,738	8.27	36.83
5	7,897	17.47	54.30
6	4,987	11.03	65.33
7	4,672	10.33	75.66
8	4,235	9.37	85.03
9	2,125	4.70	89.73
10	4,643	10.27	100.00

Total	**45,209**	**100.00**

25. tab Q179

Q179	Freq.	Percent	Cum.
1	**32,559**	**72.17**	**72.17**
2	**4,350**	**9.64**	**81.81**
3	**2,584**	**5.73**	**87.54**
4	**1,334**	**2.96**	**90.49**
5	**1,620**	**3.59**	**94.08**
6	**747**	**1.66**	**95.74**
7	**560**	**1.24**	**96.98**
8	**449**	**1.00**	**97.98**
9	**271**	**0.60**	**98.58**
10	**642**	**1.42**	**100.00**
Total	**45,116**	**100.00**	

26. tab Q191

Q191	Freq.	Percent	Cum.
1	**30,042**	**66.45**	**66.45**
2	**4,943**	**10.93**	**77.39**
3	**3,097**	**6.85**	**84.24**
4	**1,736**	**3.84**	**88.08**
5	**2,465**	**5.45**	**93.53**
6	**922**	**2.04**	**95.57**
7	**581**	**1.29**	**96.85**
8	**476**	**1.05**	**97.91**
9	**251**	**0.56**	**98.46**
10	**696**	**1.54**	**100.00**
Total	**45,209**	**100.00**	

27. tab Q194

Q194	Freq.	Percent	Cum.
1	**30,419**	**67.29**	**67.29**
2	**4,692**	**10.38**	**77.66**
3	**2,846**	**6.30**	**83.96**
4	**1,674**	**3.70**	**87.66**
5	**2,408**	**5.33**	**92.99**
6	**953**	**2.11**	**95.10**
7	**594**	**1.31**	**96.41**
8	**548**	**1.21**	**97.62**
9	**310**	**0.69**	**98.31**
10	**765**	**1.69**	**100.00**
Total	**45,209**	**100.00**	

28. sum Q262

Variable	Obs	Mean	Std. dev.	Min	Max
Q262	**45,209**	**40.67305**	**15.72635**	**16**	**103**

```
29. tab incomeWB
```

incomeWB	Freq.	Percent	Cum.
1	**2,366**	**5.23**	**5.23**
2	**13,859**	**30.66**	**35.89**
3	**20,585**	**45.53**	**81.42**
4	**8,399**	**18.58**	**100.00**
Total	**45,209**	**100.00**	

```
30. sum conflict_duration
```

Variable	Obs	Mean	Std. dev.	Min	Max
conflict_d~n	**45,209**	**14717.3**	**16221.02**	**0**	**72874**

```
31.
32. ** Generate Models **
33. * First models are based on conflict duration of current country
34. * Question 1 - Is Family Important 1 = Very important 4 = Not important
35. ologit Q1 conflict_duration corrupttransp militaryexp educationexp low_inc  lmiddle_
  > inc upper_inc Q262, robust

  Iteration 0:   log pseudolikelihood =  -14179.39
  Iteration 1:   log pseudolikelihood =  -13925.25
  Iteration 2:   log pseudolikelihood = -13907.014
  Iteration 3:   log pseudolikelihood = -13906.964
  Iteration 4:   log pseudolikelihood = -13906.964

  Ordered logistic regression                       Number of obs = 45,184
                                                    Wald chi2(8)  = 450.90
                                                    Prob > chi2   = 0.0000
  Log pseudolikelihood = -13906.964                 Pseudo R2     = 0.0192
```

Q1	Coefficient	Robust std. err.	z	P>|z|	[95% conf.	interval]
conflict_duration	**-9.02e-06**	**1.52e-06**	**-5.93**	**0.000**	**-.000012**	**-6.04e-06**
corrupttransp	**.0094287**	**.0019703**	**4.79**	**0.000**	**.005567**	**.0132903**
militaryexp	**-.0000991**	**.0000112**	**-8.83**	**0.000**	**-.0001211**	**-.0000771**
educationexp	**.0000717**	**5.77e-06**	**12.42**	**0.000**	**.0000604**	**.000083**
low_inc	**-1.036675**	**.1424697**	**-7.28**	**0.000**	**-1.31591**	**-.7574394**
lmiddle_inc	**.2632159**	**.0454601**	**5.79**	**0.000**	**.1741158**	**.352316**
upper_inc	**.2650751**	**.0697675**	**3.80**	**0.000**	**.1283333**	**.4018169**
Q262	**-.0053517**	**.0011836**	**-4.52**	**0.000**	**-.0076715**	**-.0030319**
/cut1	**2.496502**	**.0954964**			**2.309333**	**2.683671**
/cut2	**4.947568**	**.1043865**			**4.742974**	**5.152162**
/cut3	**6.382135**	**.1427233**			**6.102403**	**6.661868**

```
36.
37. * Question 176 - Trouble deciding which morals are right ones to follow? 1 = complet
  > ely agree 10 = completely disagree
38. ologit Q176 conflict_duration corrupttransp militaryexp educationexp low_inc  lmiddl
  > e_inc upper_inc Q262, robust

  Iteration 0:   log pseudolikelihood = -101171.74
  Iteration 1:   log pseudolikelihood = -100699.66
  Iteration 2:   log pseudolikelihood = -100699.12
  Iteration 3:   log pseudolikelihood = -100699.12

  Ordered logistic regression                       Number of obs =  45,209
                                                    Wald chi2(8)  = 1024.00
                                                    Prob > chi2   =  0.0000
  Log pseudolikelihood = -100699.12                 Pseudo R2     =  0.0047
```

Q176	Coefficient	Robust std. err.	z	P>|z|	[95% conf.	interval]
conflict_duration	-6.47e-07	6.85e-07	-0.94	0.345	-1.99e-06	6.96e-07
corrupttransp	-.0203798	.0009312	-21.89	0.000	-.0222049	-.0185548
militaryexp	.000016	4.66e-06	3.43	0.001	6.85e-06	.0000251
educationexp	-.0000157	2.37e-06	-6.61	0.000	-.0000203	-.000011
low_inc	.0271212	.0490229	0.55	0.580	-.0689619	.1232043
lmiddle_inc	-.4048315	.0223061	-18.15	0.000	-.4485506	-.3611123
upper_inc	.6295846	.0374804	16.80	0.000	.5561244	.7030448
Q262	.000052	.0005469	0.10	0.924	-.0010199	.0011239
/cut1	-2.565255	.0462727			-2.655947	-2.474562
/cut2	-2.163085	.0455241			-2.25231	-2.073859
/cut3	-1.709231	.0449348			-1.797302	-1.621161
/cut4	-1.3257	.0445608			-1.413037	-1.238362
/cut5	-.6024386	.0441522			-.6889754	-.5159018
/cut6	-.1350676	.0440486			-.2214013	-.0487339
/cut7	.3714955	.044113			.2850356	.4579554
/cut8	.9798098	.0446805			.8922376	1.067382
/cut9	1.413121	.045376			1.324186	1.502057

```
39.
40. * Question 179 - Is stealing property justifialbe 1 = never 10 = always
41. ologit Q179 conflict_duration corrupttransp militaryexp educationexp low_inc  lmiddl
  > e_inc upper_inc Q262, robust

  Iteration 0:   log pseudolikelihood = -49978.924
  Iteration 1:   log pseudolikelihood = -49540.303
  Iteration 2:   log pseudolikelihood = -49536.217
  Iteration 3:   log pseudolikelihood = -49536.216

  Ordered logistic regression                       Number of obs =  45,116
                                                    Wald chi2(8)  = 1012.68
                                                    Prob > chi2   =  0.0000
  Log pseudolikelihood = -49536.216                 Pseudo R2     =  0.0089
```

Q179	Coefficient	Robust std. err.	z	P>|z|	[95% conf.	interval]
conflict_duration	-.0000145	8.98e-07	-16.14	0.000	-.0000163	-.0000127
corrupttransp	.0085444	.0013238	6.45	0.000	.0059499	.011139
militaryexp	.0000129	5.74e-06	2.24	0.025	1.63e-06	.0000241
educationexp	-.0000243	3.07e-06	-7.91	0.000	-.0000303	-.0000183
low_inc	.731525	.0510772	14.32	0.000	.6314155	.8316346
lmiddle_inc	-.008148	.0284521	-0.29	0.775	-.0639132	.0476171
upper_inc	-.8448635	.0516012	-16.37	0.000	-.946	-.7437271
Q262	-.0086074	.0007136	-12.06	0.000	-.0100061	-.0072086
/cut1	.6686984	.0617166			.5477361	.7896607
/cut2	1.228936	.0619715			1.107474	1.350398
/cut3	1.678775	.0623063			1.556657	1.800893
/cut4	1.984861	.0626366			1.862096	2.107627
/cut5	2.500782	.0639279			2.375486	2.626078
/cut6	2.847875	.0647573			2.720953	2.974797
/cut7	3.206043	.0661905			3.076312	3.335774
/cut8	3.6168	.0687059			3.482139	3.751461
/cut9	3.975297	.0716229			3.834919	4.115676

```
42.
43. * Question 191 - Violence against other people 1 = never, 10 = always
44. ologit Q191 conflict_duration corrupttransp militaryexp educationexp low_inc  lmiddl
  > e_inc upper_inc Q262, robust

  Iteration 0:   log pseudolikelihood = -56845.811
  Iteration 1:   log pseudolikelihood = -56506.422
  Iteration 2:   log pseudolikelihood = -56505.173
  Iteration 3:   log pseudolikelihood = -56505.173

  Ordered logistic regression                             Number of obs = 45,209
                                                          Wald chi2(8)  = 729.27
                                                          Prob > chi2   = 0.0000
  Log pseudolikelihood = -56505.173                       Pseudo R2     = 0.0060
```

Q191	Coefficient	Robust std. err.	z	P>|z|	[95% conf.	interval]
conflict_duration	-9.31e-06	8.50e-07	-10.95	0.000	-.000011	-7.64e-06
corrupttransp	.0138326	.0012096	11.44	0.000	.0114619	.0162034
militaryexp	-.0000246	5.57e-06	-4.42	0.000	-.0000355	-.0000137
educationexp	-.0000143	2.89e-06	-4.95	0.000	-.0000199	-8.62e-06
low_inc	.2761893	.0500862	5.51	0.000	.1780222	.3743564
lmiddle_inc	.1065033	.0262695	4.05	0.000	.0550162	.1579905
upper_inc	-.7146227	.0469254	-15.23	0.000	-.8065947	-.6226507
Q262	-.008805	.0006591	-13.36	0.000	-.0100967	-.0075132
/cut1	.7016023	.056818			.5902412	.8129635
/cut2	1.255685	.0570232			1.143921	1.367448
/cut3	1.705065	.0574799			1.592407	1.817724
/cut4	2.030677	.0578628			1.917268	2.144086
/cut5	2.704366	.0591508			2.588432	2.820299
/cut6	3.105414	.0601267			2.987567	3.22326
/cut7	3.461859	.0613268			3.341661	3.582057
/cut8	3.880479	.0637553			3.755521	4.005437
/cut9	4.194329	.0665389			4.063915	4.324743

```
45.
46. * Question 194 - Political Violence 1 = Never 10 = always
47. ologit Q194 conflict_duration corrupttransp militaryexp educationexp low_inc  lmiddl
  > e_inc upper_inc Q262, robust

  Iteration 0:   log pseudolikelihood = -56466.381
  Iteration 1:   log pseudolikelihood = -56247.309
  Iteration 2:   log pseudolikelihood =  -56246.69
  Iteration 3:   log pseudolikelihood =  -56246.69

  Ordered logistic regression                             Number of obs = 45,209
                                                          Wald chi2(8)  = 481.44
                                                          Prob > chi2   = 0.0000
  Log pseudolikelihood = -56246.69                        Pseudo R2     = 0.0039
```

Q194	Coefficient	Robust std. err.	z	P>|z|	[95% conf.	interval]
conflict_duration	-.0000102	8.60e-07	-11.85	0.000	-.0000119	-8.51e-06
corrupttransp	.0038728	.0012036	3.22	0.001	.0015137	.0062319
militaryexp	4.23e-06	5.50e-06	0.77	0.442	-6.54e-06	.000015
educationexp	-.0000181	2.90e-06	-6.24	0.000	-.0000238	-.0000124
low_inc	.3742241	.0503807	7.43	0.000	.2754796	.4729685
lmiddle_inc	-.0771681	.0264811	-2.91	0.004	-.1290701	-.0252661
upper_inc	-.5045227	.0472076	-10.69	0.000	-.597048	-.4119975
Q262	-.0065674	.0006615	-9.93	0.000	-.0078639	-.0052709
/cut1	.4028922	.0567155			.2917318	.5140525
/cut2	.9327231	.0568519			.8212953	1.044151
/cut3	1.343632	.057158			1.231604	1.455659
/cut4	1.65032	.0574891			1.537644	1.762997
/cut5	2.276042	.0587645			2.160866	2.391218

/cut6	**2.65656**	**.0597206**	**2.53951**	**2.77361**
/cut7	**2.982463**	**.0608952**	**2.863111**	**3.101816**
/cut8	**3.407165**	**.0632023**	**3.283291**	**3.531039**
/cut9	**3.754449**	**.0658304**	**3.625424**	**3.883475**

48.
49. log close
name: **<unnamed>**
log: **C:\Users\Brady\Dropbox\Econometrics\Conflict Frequency and Cultural Value**
> s\con_freq_value_actual.smcl
log type: **smcl**
closed on: **4 Dec 2023, 23:44:12**