

Online Appendix

**IMBALANCE AND CEM MODELS**

**2006**

```
. imb woman ed q2 panista soct2_r , treatment(victim)
```

Multivariate L1 distance: .61786217

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	.15546	.15546	0	0	1	0	0
ed	.14743	1.0866	0	0	0	0	0
q2	.13106	-2.8184	0	-2	-4	-2	-3
panista	.01144	-.01144	0	0	0	0	0
soct2_r	.01648	-.01046	0	0	0	0	0

```
. cem woman (#0) ed (6 9 12 15) q2 (25 34 49 64) panista (#0) soct2_r (#0),
treatment(victim)
(using the scott break method for imbalance)
```

Matching Summary:

-----  
 Number of strata: 202  
 Number of matched strata: 95

	0	1
All	1138	291
Matched	868	280
Unmatched	270	11

Multivariate L1 distance: .50957921

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	4.7e-16	-7.8e-16	0	0	0	0	0
ed	.04162	.01149	0	0	0	0	0
q2	.07536	.39892	0	0	0	2	-3
panista	6.4e-16	1.7e-16	0	0	0	0	0
soct2_r	1.0e-15	3.6e-15	0	0	0	0	0

## 2008-2012

```
. imb woman ed q2 panista soct2_r , treatment(victim)
```

Multivariate L1 distance: .51589965

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	.1035	.1035	0	0	1	0	0
ed	.16313	1.7077	0	2	0	0	0
q2	.07776	-2.9595	0	-1	-2	-3	-9
panista	.02444	-.02444	0	0	0	0	0
soct2_r	.03635	-.03252	0	0	-1	0	0

```
. cem woman (#0) ed (6 9 12 15) q2 (25 34 49 64) panista (#0) soct2_r (#0),  
treatment(victim)  
(using the scott break method for imbalance)
```

Matching Summary:

-----

Number of strata: 245

Number of matched strata: 153

	0	1
All	3514	995
Matched	3237	980
Unmatched	277	15

Multivariate L1 distance: .44075567

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	3.1e-15	1.9e-15	0	0	0	0	0
ed	.0743	.08073	0	1	0	0	0
q2	.04964	.02996	0	0	1	1	-4
panista	9.8e-16	-2.9e-16	0	0	0	0	0
soct2_r	2.1e-15	2.0e-15	0	0	0	0	0

## 2011

```
. imb woman school age panista ecoretro3 , treatment(victim)
```

Multivariate L1 distance: .53187519

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	.05858	-.05858	0	0	-1	0	0
school	.16591	1.2089	0	0	0	1	0
age	.05512	-.77393	0	0	-1	-1	-1

```

    panista  .00311  .00311      0      0      0      0      0
ecoretro3  .03479  -.03097      0      0      0      0      0

```

```

. cem woman (#0) school (3 5 9 12) age (25 34 49 64) panista (#0) ecoretro3 (#0),
treatment(victim)
(using the scott break method for imbalance)

```

Matching Summary:

-----

Number of strata: 236

Number of matched strata: 179

```

          0      1
    All  1579  1121
    Matched  1508  1096
    Unmatched   71   25

```

Multivariate L1 distance: .47626307

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	1.1e-15	-1.9e-15	0	0	0	0	0
school	.05522	.05979	0	0	0	0	0
age	.06085	.04143	0	0	0	0	-1
panista	1.9e-16	1.7e-16	0	0	0	0	0
ecoretro3	8.6e-16	-6.2e-15	0	0	0	0	.

## INSTRUMENTS

### 2006

. regr n11 victim, robust  
Linear regression

Number of obs = 1429  
F( 1, 1427) = 30.52  
Prob > F = 0.0000  
R-squared = 0.0200  
Root MSE = 1.7379

---

		Robust				
n11	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
victim	-.6160564	.111509	-5.52	0.000	-.8347956	-.3973172
_cons	3.657293	.0519215	70.44	0.000	3.555443	3.759144

---

### 2008-2012

. regr n11 victim, robust  
Linear regression

Number of obs = 4509  
F( 1, 4507) = 103.91  
Prob > F = 0.0000  
R-squared = 0.0224  
Root MSE = 1.7433

---

		Robust				
n11	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
victim	-.6367964	.0624715	-10.19	0.000	-.7592712	-.5143215
_cons	4.138304	.0294334	140.60	0.000	4.0806	4.196008

---

### 2011

. regr segretro victima, robust  
Linear regression

Number of obs = 2658  
F( 1, 2656) = 9.83  
Prob > F = 0.0017  
R-squared = 0.0037  
Root MSE = 1.1596

---

		Robust				
segretro	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
victima	-.1433236	.0457246	-3.13	0.002	-.232983	-.0536641
_cons	2.787468	.0292816	95.20	0.000	2.730051	2.844885

---

. regr rally victima, robust  
Linear regression

Number of obs = 2667  
F( 1, 2665) = 10.01  
Prob > F = 0.0016  
R-squared = 0.0038  
Root MSE = 1.0608

---

		Robust				
rally	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
victima	-.1333933	.0421713	-3.16	0.002	-.2160851	-.0507015
_cons	4.278815	.0260408	164.31	0.000	4.227753	4.329877

---

## ROBUSTNESS TEST ON POOLED DATA

### Regression models by Lapop round: 2008, 2010, and 2012

This section presents the replication of our pooled model (2008, 2010, and 2012) for every year in sample.

#### 2008 MODEL

```
. imb woman ed q2 panista soct2_r , treatment(victim)
(using the scott break method for L1 distance)
```

Multivariate L1 distance: .65556151

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	.06166	.06166	0	0	1	0	0
ed	.20586	2.0282	0	1	0	0	0
q2	.11683	-1.1267	0	0	1	-3	-6
panista	.01369	-.01369	0	0	0	0	0
soct2_r	.07712	-.08178	0	0	0	0	0

```
. cem woman (#0) ed (6 9 12 15) q2 (25 34 49 64) panista (#0) soct2_r (#0),
treatment(victim)
(using the scott break method for imbalance)
```

Matching Summary:

-----  
Number of strata: 200  
Number of matched strata: 89

	0	1
All	1257	245
Matched	934	232
Unmatched	323	13

Multivariate L1 distance: .54040665

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	4.2e-16	6.7e-16	0	0	0	0	0
ed	.11855	.15913	0	1	0	0	0
q2	.10906	.34899	0	0	1	0	-4
panista	4.6e-16	2.5e-16	0	0	0	0	0
soct2_r	4.3e-16	-4.9e-15	0	0	-1	0	0

```
. logit approve victim woman ed q2 soct2_r n11_resid panista [iweight=cem_weights_08],
robust
```

```
Iteration 0: log pseudolikelihood = -782.41855
Iteration 1: log pseudolikelihood = -674.63375
Iteration 2: log pseudolikelihood = -674.19082
Iteration 3: log pseudolikelihood = -674.19057
Iteration 4: log pseudolikelihood = -674.19057
```

Logistic regression

Number of obs = 1149  
Wald chi2(7) = 100.42  
Prob > chi2 = 0.0000  
Pseudo R2 = 0.1383

Log pseudolikelihood = -674.19057

```

-----+-----
           |               Robust
Approve   |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
Victim    | -1.4872443   .1853849   -2.63  0.009   -1.8505919   -1.1238966
Woman     | -0.0950525   .175226    -0.54  0.588   -0.4384891   .2483842
Education |  .0460652    .0246371    1.87  0.062   -0.0022226   .0943529
Age       |  .001443     .0059825    0.24  0.809   -0.0102826   .0131685
Eco       |  .5870953    .1434717    4.09  0.000   .3058959     .8682946
SegRes1   |  .397448     .0562962    7.06  0.000   .2871094     .5077865
Panista   |  1.035873    .3328675    3.11  0.002   .383465      1.688281
_cons     | -1.70207     .457865    -3.72  0.000   -2.599469   -1.8046708
-----+-----

```

## 2010 MODEL

```
. imb woman ed q2 panista soct2_r , treatment(victim)
```

Multivariate L1 distance: .55896223

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	.1267	.1267	0	0	1	0	0
ed	.19944	1.8547	0	3	1	0	0
q2	.15031	-5.082	0	-4	-6	-5	-9
panista	.00175	-.00175	0	0	0	0	0
soct2_r	.02127	-.00105	0	0	0	0	0

```
. cem woman (#0) ed (6 9 12 15) q2 (25 34 49 64) panista (#0) soct2_r (#0) ,
treatment(victim)
(using the scott break method for imbalance)
```

Matching Summary:

Number of strata: 189  
Number of matched strata: 98

	0	1
All	1105	398
Matched	956	378
Unmatched	149	20

Multivariate L1 distance: .44402845

Univariate imbalance:

	L1	mean	min	25%	50%	75%	max
woman	9.7e-16	-7.8e-16	0	0	0	0	0
ed	.05835	.03257	0	1	-1	0	0
q2	.10202	-.30979	0	0	-1	-1	-9
panista	2.5e-16	-1.7e-16	0	0	0	0	0
soct2_r	7.0e-16	-2.9e-15	0	0	0	0	0

```
. logit approve victim woman ed q2 soct2_r n11_resid panista
[iweight=cem_weights_10], robust
```

```

Iteration 0: log pseudolikelihood = -881.3756
Iteration 1: log pseudolikelihood = -760.60439
Iteration 2: log pseudolikelihood = -759.40849
Iteration 3: log pseudolikelihood = -759.40704
Iteration 4: log pseudolikelihood = -759.40704

```

```

Logistic regression      Number of obs =      1325
                        Wald chi2(7) =      123.22
                        Prob > chi2 =      0.0000
Log pseudolikelihood = -759.40704      Pseudo R2 =      0.1384

```

```

-----+-----
               |               Robust
           Approve |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
           Victim |   -.1523927   .1490557   -1.02  0.307   - .4445365   .1397511
           Woman  |    .0083986   .1451782    0.06  0.954   - .2761454   .2929425
 Education |    .0510673   .022164   2.30  0.021    .0076267   .0945079
           Age   |    .0002623   .0054755    0.05  0.962   - .0104695   .0109941
           Eco   |    .3046146   .1146426    2.66  0.008    .0799193    .52931
 SegRes1 |    .498537    .0501202    9.95  0.000    .4003033   .5967707
 Panista |    1.753649   .4351483    4.03  0.000    .900774    2.606524
           _cons |   -1.559426   .3871674   -4.03  0.000   -2.318261  -.8005923
-----+-----

```

## 2012 MODEL

```
. imb woman ed q2 panista soct2_r , treatment(victim)
```

```
Multivariate L1 distance: .56912879
```

```
Univariate imbalance:
```

	L1	mean	min	25%	50%	75%	max
woman	.11166	.11166	0	0	1	0	0
ed	.11845	1.1467	0	0	0	0	0
q2	.08467	-1.7012	0	0	0	-2	-12
panista	.04656	-.04656	0	0	0	0	0
soct2_r	.01357	.0191	0	0	0	0	0

```
. cem woman (#0) ed (6 9 12 15) q2 (25 34 49 64) panista (#0) soct2_r (#0) ,
treatment(victim)
(using the scott break method for imbalance)
```

```
Matching Summary:
```

```
-----
Number of strata: 203
Number of matched strata: 87
```

	0	1
All	1152	352
Matched	937	320
Unmatched	215	32

```
Multivariate L1 distance: .45407093
```

```
Univariate imbalance:
```

	L1	mean	min	25%	50%	75%	max
--	----	------	-----	-----	-----	-----	-----

```

woman 1.9e-15 1.1e-15 0 0 0 0 0
ed .0678 .08392 0 0 0 0 0
q2 .08888 .19881 0 1 1 1 -4
panista 2.4e-16 3.6e-16 0 0 0 0 0
soct2_r 2.4e-15 3.3e-15 0 0 0 0 0

. logit approve victim woman ed q2 soct2_r n11_resid panista [iweight=cem_weights_12],
robust

```

```

Iteration 0: log pseudolikelihood = -850.36045
Iteration 1: log pseudolikelihood = -725.08692
Iteration 2: log pseudolikelihood = -724.38543
Iteration 3: log pseudolikelihood = -724.38459
Iteration 4: log pseudolikelihood = -724.38459

```

```

Logistic regression                               Number of obs   =       1248
Wald chi2(7)                                     =       150.38
Prob > chi2                                       =       0.0000
Pseudo R2                                         =       0.1481

Log pseudolikelihood = -724.38459

```

Approve	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
Victim	-.5280413	.1533584	-3.44	0.001	-.8286182	-.2274645
Woman	-.2311941	.1408553	-1.64	0.101	-.5072655	.0448772
Education	-.000534	.0205823	-0.03	0.979	-.0408746	.0398066
Age	-.0031678	.0052446	-0.60	0.546	-.0134471	.0071115
Eco	.1064738	.1298522	0.82	0.412	-.1480319	.3609795
SegRes1	.5265145	.0489353	10.76	0.000	.4306031	.6224258
Panista	1.497553	.3409747	4.39	0.000	.8292547	2.165851
_cons	-.1812439	.391743	-0.46	0.644	-.9490461	.5865583

**Summary Table 2008- 2012**  
**Approve is the dependent variable**

Variable	Pooled 08-12	yr2008	yr2010	yr2012
Victim	-.29813962***	-.48724429***	-.15239267	-.52804133***
Woman	-.10283603*	-.09505246	.00839857	-.23119411
Education	.02377498	.04606517*	.0510673**	-.000534
Age	-.00234138	.00144296	.00026229	-.00316781
Eco	.3255759***	.58709528***	.30461461***	.10647381
SegRes1	.46522653***	.39744795***	.498537***	.52651449***
Panista	1.2324889***	1.0358733***	1.753649***	1.4975528***
yr2010	-.11865658***			
yr2012	.0589299***			
_cons	-1.0001423***	-1.7020697***	-1.5594265***	-.18124393

legend: \* p<.1; \*\* p<.05; \*\*\* p<.01