

```

name: <unnamed>
log: /Users/elisabethgidengil/Documents/Blais MCRI/Region/BC MNL.smcl
log type: smcl
opened on: 1 Sep 2016, 17:31:40

```

```

1 . do "/var/folders/16/42410mvx0xn3d_mb9nryycwr0000gn/T//SD03576.000000"
2 .
3 . *** BRITISH COLUMBIA
4 .
5 . gen BCvote=1 if PQ6==3
(4,301 missing values generated)
6 . replace BCvote=2 if PQ6==1
(905 real changes made)
7 . replace BCvote=3 if PQ6==2
(891 real changes made)
8 . lab def BCvote 1 "Liberal" 2 "Conservative" 3 "NDP"
9 .
10 . *** Social background
11 .
12 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb if Province==59 [iweight=regionWT
> ], robust

```

```

Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -942.51534
Iteration 2: log pseudolikelihood = -941.61478
Iteration 3: log pseudolikelihood = -941.61409
Iteration 4: log pseudolikelihood = -941.61409

```

```

Multinomial logistic regression      Number of obs      =      983
                                     Wald chi2(22)      =      96.28
                                     Prob > chi2        =      0.0000
Log pseudolikelihood = -941.61409   Pseudo R2          =      0.0640

```

| BCvote    | Robust         |           |       |       |                      |           |
|-----------|----------------|-----------|-------|-------|----------------------|-----------|
|           | Coef.          | Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
| <b>1</b>  | (base outcome) |           |       |       |                      |           |
| <b>2</b>  |                |           |       |       |                      |           |
| 1.female  | -.3756491      | .1828641  | -2.05 | 0.040 | -.7340562            | -.017242  |
| 1.younger | -.7779206      | .2983812  | -2.61 | 0.009 | -1.362737            | -.1931042 |

|          |                 |           |          |       |       |           |           |
|----------|-----------------|-----------|----------|-------|-------|-----------|-----------|
|          | 1.lowinc        | -.3958074 | .2037083 | -1.94 | 0.052 | -.7950682 | .0034534  |
|          | 1.missingincome | -.3669425 | .3290702 | -1.12 | 0.265 | -1.011908 | .2780233  |
|          | 1.visible       | -.5918444 | .2550392 | -2.32 | 0.020 | -1.091712 | -.0919767 |
|          | 1.catholic      | -.5372541 | .2838689 | -1.89 | 0.058 | -1.093627 | .0191187  |
|          | 1.noreligion    | -.825892  | .2007371 | -4.11 | 0.000 | -1.219329 | -.4324546 |
|          | 1.working       | -.1946625 | .1999127 | -0.97 | 0.330 | -.5864842 | .1971592  |
|          | 1.union         | -.3298821 | .2253509 | -1.46 | 0.143 | -.7715617 | .1117975  |
|          | 1.bigcity       | -.3509809 | .2539887 | -1.38 | 0.167 | -.8487897 | .1468279  |
|          | 1.suburb        | -.120635  | .2152448 | -0.56 | 0.575 | -.542507  | .3012371  |
|          | _cons           | 1.210833  | .2558297 | 4.73  | 0.000 | .7094156  | 1.71225   |
| <b>3</b> |                 |           |          |       |       |           |           |
|          | 1.female        | -.1082634 | .1774695 | -0.61 | 0.542 | -.4560972 | .2395703  |
|          | 1.younger       | -.0204056 | .2295823 | -0.09 | 0.929 | -.4703785 | .4295674  |
|          | 1.lowinc        | .5138743  | .19102   | 2.69  | 0.007 | .1394819  | .8882667  |
|          | 1.missingincome | -.1177853 | .3442765 | -0.34 | 0.732 | -.7925548 | .5569842  |
|          | 1.visible       | -.3780708 | .2345317 | -1.61 | 0.107 | -.8377445 | .0816028  |
|          | 1.catholic      | -.2500978 | .3034323 | -0.82 | 0.410 | -.8448141 | .3446186  |
|          | 1.noreligion    | .0955688  | .1883361 | 0.51  | 0.612 | -.2735631 | .4647008  |
|          | 1.working       | .4108997  | .1926683 | 2.13  | 0.033 | .0332768  | .7885226  |
|          | 1.union         | .2910819  | .1938084 | 1.50  | 0.133 | -.0887757 | .6709394  |
|          | 1.bigcity       | -.6006812 | .2359462 | -2.55 | 0.011 | -1.063127 | -.1382352 |
|          | 1.suburb        | -.4203286 | .2097854 | -2.00 | 0.045 | -.8315005 | -.0091567 |
|          | _cons           | -.5298493 | .2569743 | -2.06 | 0.039 | -1.03351  | -.026189  |

```
13 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb if Province==59 [iweight=regionWT
> ], baseoutcome(2) robust
```

```
Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -942.51534
Iteration 2: log pseudolikelihood = -941.61478
Iteration 3: log pseudolikelihood = -941.61409
Iteration 4: log pseudolikelihood = -941.61409
```

```
Multinomial logistic regression          Number of obs   =      983
                                         Wald chi2(22)   =      96.28
                                         Prob > chi2     =      0.0000
Log pseudolikelihood = -941.61409       Pseudo R2      =      0.0640
```

|          | BCvote    | Coef.    | Robust Std. Err. | z    | P> z  | [95% Conf. Interval] |          |
|----------|-----------|----------|------------------|------|-------|----------------------|----------|
| <b>1</b> |           |          |                  |      |       |                      |          |
|          | 1.female  | .3756491 | .1828641         | 2.05 | 0.040 | .017242              | .7340562 |
|          | 1.younger | .7779206 | .2983812         | 2.61 | 0.009 | .1931042             | 1.362737 |
|          | 1.lowinc  | .3958074 | .2037083         | 1.94 | 0.052 | -.0034534            | .7950682 |

|                 |                |          |       |       |           |           |
|-----------------|----------------|----------|-------|-------|-----------|-----------|
| 1.missingincome | .3669425       | .3290702 | 1.12  | 0.265 | -.2780233 | 1.011908  |
| 1.visible       | .5918444       | .2550392 | 2.32  | 0.020 | .0919767  | 1.091712  |
| 1.catholic      | .5372541       | .2838689 | 1.89  | 0.058 | -.0191187 | 1.093627  |
| 1.noreligion    | .825892        | .2007371 | 4.11  | 0.000 | .4324546  | 1.219329  |
| 1.working       | .1946625       | .1999127 | 0.97  | 0.330 | -.1971592 | .5864842  |
| 1.union         | .3298821       | .2253509 | 1.46  | 0.143 | -.1117975 | .7715617  |
| 1.bigcity       | .3509809       | .2539887 | 1.38  | 0.167 | -.1468279 | .8487897  |
| 1.suburb        | .120635        | .2152448 | 0.56  | 0.575 | -.3012371 | .542507   |
| _cons           | -1.210833      | .2558297 | -4.73 | 0.000 | -1.71225  | -.7094156 |
| 2               | (base outcome) |          |       |       |           |           |
| 3               |                |          |       |       |           |           |
| 1.female        | .2673856       | .1952501 | 1.37  | 0.171 | -.1152976 | .6500689  |
| 1.younger       | .7575151       | .3166076 | 2.39  | 0.017 | .1369755  | 1.378055  |
| 1.lowinc        | .9096817       | .2186094 | 4.16  | 0.000 | .4812151  | 1.338148  |
| 1.missingincome | .2491572       | .3828914 | 0.65  | 0.515 | -.5012962 | .9996106  |
| 1.visible       | .2137736       | .2748952 | 0.78  | 0.437 | -.3250112 | .7525583  |
| 1.catholic      | .2871564       | .3024581 | 0.95  | 0.342 | -.3056506 | .8799633  |
| 1.noreligion    | .9214608       | .2127089 | 4.33  | 0.000 | .5045589  | 1.338363  |
| 1.working       | .6055621       | .216888  | 2.79  | 0.005 | .1804694  | 1.030655  |
| 1.union         | .6209639       | .2287331 | 2.71  | 0.007 | .1726552  | 1.069273  |
| 1.bigcity       | -.2497003      | .2759661 | -0.90 | 0.366 | -.7905839 | .2911833  |
| 1.suburb        | -.2996936      | .2274296 | -1.32 | 0.188 | -.7454474 | .1460602  |
| _cons           | -1.740682      | .2849784 | -6.11 | 0.000 | -2.299229 | -1.182135 |

```
14 .
15 . margins, dydx(female)
```

```
Average marginal effects          Number of obs   =          983
Model VCE      : Robust

dy/dx w.r.t. : 1.female
1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))
```

|                 | Delta-method |           |       |       |                      |
|-----------------|--------------|-----------|-------|-------|----------------------|
|                 | dy/dx        | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| <b>1.female</b> |              |           |       |       |                      |
| _predict        |              |           |       |       |                      |
| 1               | .0564013     | .034178   | 1.65  | 0.099 | -.0105864 .1233889   |
| 2               | -.0667198    | .0333541  | -2.00 | 0.045 | -.1320926 -.0013469  |
| 3               | .0103185     | .0304807  | 0.34  | 0.735 | -.0494225 .0700596   |

Note: dy/dx for factor levels is the discrete change from the base level.



```

dy/dx w.r.t. : 1.union
1._predict   : Pr(BCvote==1), predict(pr outcome(1))
2._predict   : Pr(BCvote==2), predict(pr outcome(2))
3._predict   : Pr(BCvote==3), predict(pr outcome(3))

```

|                |          | Delta-method |           |       |       |                      |
|----------------|----------|--------------|-----------|-------|-------|----------------------|
|                |          | dy/dx        | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| <b>1.union</b> |          |              |           |       |       |                      |
|                | _predict |              |           |       |       |                      |
|                | 1        | .0041619     | .0398689  | 0.10  | 0.917 | -.0739797 .0823036   |
|                | 2        | -.0887139    | .0389187  | -2.28 | 0.023 | -.1649931 -.0124348  |
|                | 3        | .084552      | .0360492  | 2.35  | 0.019 | .0138968 .1552072    |

Note: dy/dx for factor levels is the discrete change from the base level.

```
19 . margins, dydx(working)
```

```

Average marginal effects          Number of obs   =          983
Model VCE      : Robust

```

```

dy/dx w.r.t. : 1.working
1._predict   : Pr(BCvote==1), predict(pr outcome(1))
2._predict   : Pr(BCvote==2), predict(pr outcome(2))
3._predict   : Pr(BCvote==3), predict(pr outcome(3))

```

|                  |          | Delta-method |           |       |       |                      |
|------------------|----------|--------------|-----------|-------|-------|----------------------|
|                  |          | dy/dx        | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| <b>1.working</b> |          |              |           |       |       |                      |
|                  | _predict |              |           |       |       |                      |
|                  | 1        | -.0199824    | .0368398  | -0.54 | 0.588 | -.092187 .0522222    |
|                  | 2        | -.0734867    | .0373732  | -1.97 | 0.049 | -.1467368 -.0002366  |
|                  | 3        | .0934692     | .0329207  | 2.84  | 0.005 | .0289458 .1579925    |

Note: dy/dx for factor levels is the discrete change from the base level.

```
20 . margins, dydx(visible)
```

```

Average marginal effects          Number of obs   =          983
Model VCE      : Robust

```

```

dy/dx w.r.t. : 1.visible
1._predict   : Pr(BCvote==1), predict(pr outcome(1))
2._predict   : Pr(BCvote==2), predict(pr outcome(2))
3._predict   : Pr(BCvote==3), predict(pr outcome(3))

```





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Note: dy/dx for factor levels is the discrete change from the base level.

```

25 .
26 .
27 . *** Values
28 .
29 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute if Province==59
> [iweight=regionWT], robust

```

```

Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -889.72795
Iteration 2: log pseudolikelihood = -886.50852
Iteration 3: log pseudolikelihood = -886.49804
Iteration 4: log pseudolikelihood = -886.49804

```

```

Multinomial logistic regression           Number of obs   =       983
                                           Wald chi2(24)   =       167.89
                                           Prob > chi2     =       0.0000
Log pseudolikelihood = -886.49804       Pseudo R2      =       0.1188

```

| BCvote           | Coef.          | Robust Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|------------------|-------|-------|----------------------|-----------|
| <b>1</b>         | (base outcome) |                  |       |       |                      |           |
| <b>2</b>         |                |                  |       |       |                      |           |
| 1.female         | -.3725842      | .1909661         | -1.95 | 0.051 | -.746871             | .0017025  |
| 1.younger        | -.7556453      | .3226626         | -2.34 | 0.019 | -1.388052            | -.1232384 |
| 1.lowinc         | -.1341283      | .2174679         | -0.62 | 0.537 | -.5603575            | .2921009  |
| 1.missingincome  | -.1909064      | .3574447         | -0.53 | 0.593 | -.8914851            | .5096723  |
| 1.visible        | -.6363267      | .2637825         | -2.41 | 0.016 | -1.153331            | -.1193225 |
| 1.catholic       | -.5171637      | .3035329         | -1.70 | 0.088 | -1.112077            | .0777498  |
| 1.noreligion     | -.8116827      | .2067292         | -3.93 | 0.000 | -1.216865            | -.4065008 |
| 1.working        | -.0642128      | .2050268         | -0.31 | 0.754 | -.466058             | .3376323  |
| 1.union          | -.2705174      | .2290317         | -1.18 | 0.238 | -.7194114            | .1783766  |
| 1.bigcity        | -.4747638      | .272516          | -1.74 | 0.081 | -1.008885            | .0593577  |
| 1.suburb         | -.1061925      | .2235666         | -0.47 | 0.635 | -.544375             | .33199    |
| antiredistribute | .2255371       | .0392498         | 5.75  | 0.000 | .1486088             | .3024653  |
| _cons            | -.0561772      | .3693992         | -0.15 | 0.879 | -.7801863            | .6678319  |
| <b>3</b>         |                |                  |       |       |                      |           |
| 1.female         | -.0785415      | .1803677         | -0.44 | 0.663 | -.4320557            | .2749727  |
| 1.younger        | -.0184507      | .2345868         | -0.08 | 0.937 | -.4782324            | .441331   |
| 1.lowinc         | .4044714       | .2016745         | 2.01  | 0.045 | .0091965             | .7997462  |
| 1.missingincome  | -.1514894      | .3459404         | -0.44 | 0.661 | -.8295201            | .5265413  |
| 1.visible        | -.3487493      | .244288          | -1.43 | 0.153 | -.8275449            | .1300463  |



|                  |           |          |       |       |           |           |
|------------------|-----------|----------|-------|-------|-----------|-----------|
| 1.catholic       | -.2689672 | .2992713 | -0.90 | 0.369 | -.8555281 | .3175938  |
| 1.noreligion     | .0773155  | .192449  | 0.40  | 0.688 | -.2998776 | .4545085  |
| 1.working        | .3779642  | .1965474 | 1.92  | 0.054 | -.0072616 | .7631901  |
| 1.union          | .2946822  | .1969927 | 1.50  | 0.135 | -.0914165 | .6807809  |
| 1.bigcity        | -.530298  | .2379985 | -2.23 | 0.026 | -.9967665 | -.0638295 |
| 1.suburb         | -.4190547 | .2135078 | -1.96 | 0.050 | -.8375223 | -.0005871 |
| antiredistribute | -.1278912 | .0342244 | -3.74 | 0.000 | -.1949697 | -.0608126 |
| _cons            | -.0443257 | .301025  | -0.15 | 0.883 | -.6343238 | .5456724  |

```
30 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute if Province==59
> [iweight=regionWT], baseoutcome(2)
```

```
Iteration 0: log likelihood = -1006.0415
Iteration 1: log likelihood = -889.72795
Iteration 2: log likelihood = -886.50852
Iteration 3: log likelihood = -886.49804
Iteration 4: log likelihood = -886.49804
```

```
Multinomial logistic regression          Number of obs   =          983
                                         LR chi2(24)     =        239.09
                                         Prob > chi2     =          0.0000
Log likelihood = -886.49804              Pseudo R2       =          0.1188
```

| BCvote           | Coef.          | Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|-----------|-------|-------|----------------------|-----------|
| <b>1</b>         |                |           |       |       |                      |           |
| 1.female         | .3725842       | .1731728  | 2.15  | 0.031 | .0331719             | .7119966  |
| 1.younger        | .7556453       | .2412979  | 3.13  | 0.002 | .2827102             | 1.22858   |
| 1.lowinc         | .1341283       | .1902526  | 0.71  | 0.481 | -.2387599            | .5070165  |
| 1.missingincome  | .1909064       | .3093798  | 0.62  | 0.537 | -.4154669            | .7972797  |
| 1.visible        | .6363267       | .2510777  | 2.53  | 0.011 | .1442233             | 1.12843   |
| 1.catholic       | .5171637       | .2693451  | 1.92  | 0.055 | -.0107429            | 1.04507   |
| 1.noreligion     | .8116827       | .1874554  | 4.33  | 0.000 | .4442769             | 1.179088  |
| 1.working        | .0642128       | .1872471  | 0.34  | 0.732 | -.3027848            | .4312105  |
| 1.union          | .2705174       | .2019683  | 1.34  | 0.180 | -.1253332            | .666368   |
| 1.bigcity        | .4747638       | .2242613  | 2.12  | 0.034 | .0352197             | .9143079  |
| 1.suburb         | .1061925       | .2038934  | 0.52  | 0.602 | -.2934312            | .5058162  |
| antiredistribute | -.2255371      | .0320446  | -7.04 | 0.000 | -.2883433            | -.1627308 |
| _cons            | .0561772       | .2952774  | 0.19  | 0.849 | -.5225559            | .6349103  |
| <b>2</b>         | (base outcome) |           |       |       |                      |           |
| <b>3</b>         |                |           |       |       |                      |           |
| 1.female         | .2940427       | .1938068  | 1.52  | 0.129 | -.0858116            | .6738971  |
| 1.younger        | .7371946       | .2634619  | 2.80  | 0.005 | .2208188             | 1.25357   |
| 1.lowinc         | .5385997       | .2169574  | 2.48  | 0.013 | .1133709             | .9638284  |

|                  |           |          |       |       |           |           |
|------------------|-----------|----------|-------|-------|-----------|-----------|
| 1.missingincome  | .039417   | .382035  | 0.10  | 0.918 | -.7093577 | .7881918  |
| 1.visible        | .2875774  | .2936713 | 0.98  | 0.327 | -.2880079 | .8631626  |
| 1.catholic       | .2481966  | .3176341 | 0.78  | 0.435 | -.3743549 | .870748   |
| 1.noreligion     | .8889982  | .2094801 | 4.24  | 0.000 | .4784247  | 1.299572  |
| 1.working        | .4421771  | .2100506 | 2.11  | 0.035 | .0304854  | .8538687  |
| 1.union          | .5651996  | .2205848 | 2.56  | 0.010 | .1328613  | .9975379  |
| 1.bigcity        | -.0555342 | .2549326 | -0.22 | 0.828 | -.5551928 | .4441245  |
| 1.suburb         | -.3128622 | .2290034 | -1.37 | 0.172 | -.7617007 | .1359763  |
| antiredistribute | -.3534283 | .0373007 | -9.48 | 0.000 | -.4265363 | -.2803202 |
| _cons            | .0118515  | .3260396 | 0.04  | 0.971 | -.6271744 | .6508774  |

```
31 .
32 . margins, at(antiredistribute=(0 (1) 10))
```

Predictive margins Number of obs = 983  
 Model VCE : OIM

```
1._predict : Pr(BCvote==1), predict(pr outcome(1))
2._predict : Pr(BCvote==2), predict(pr outcome(2))
3._predict : Pr(BCvote==3), predict(pr outcome(3))
```

```
1._at : antiredist~e = 0
2._at : antiredist~e = 1
3._at : antiredist~e = 2
4._at : antiredist~e = 3
5._at : antiredist~e = 4
6._at : antiredist~e = 5
7._at : antiredist~e = 6
8._at : antiredist~e = 7
9._at : antiredist~e = 8
10._at : antiredist~e = 9
11._at : antiredist~e = 10
```

|              | Delta-method |           |   |      |                      |
|--------------|--------------|-----------|---|------|----------------------|
|              | Margin       | Std. Err. | z | P> z | [95% Conf. Interval] |
| _predict#_at |              |           |   |      |                      |

|   |    |          |          |       |       |          |          |
|---|----|----------|----------|-------|-------|----------|----------|
| 1 | 1  | .4175746 | .0301335 | 13.86 | 0.000 | .358514  | .4766352 |
| 1 | 2  | .4256005 | .0248701 | 17.11 | 0.000 | .376856  | .474345  |
| 1 | 3  | .4281916 | .0207095 | 20.68 | 0.000 | .3876017 | .4687816 |
| 1 | 4  | .424833  | .0179753 | 23.63 | 0.000 | .389602  | .4600639 |
| 1 | 5  | .4153413 | .016881  | 24.60 | 0.000 | .3822552 | .4484274 |
| 1 | 6  | .3999174 | .0174326 | 22.94 | 0.000 | .3657501 | .4340847 |
| 1 | 7  | .3791442 | .0193742 | 19.57 | 0.000 | .3411715 | .417117  |
| 1 | 8  | .3539295 | .0222684 | 15.89 | 0.000 | .3102842 | .3975749 |
| 1 | 9  | .3254057 | .0256224 | 12.70 | 0.000 | .2751867 | .3756247 |
| 1 | 10 | .2948081 | .0289686 | 10.18 | 0.000 | .2380306 | .3515856 |
| 1 | 11 | .2633563 | .0319118 | 8.25  | 0.000 | .2008104 | .3259022 |
| 2 | 1  | .1364304 | .0182894 | 7.46  | 0.000 | .1005839 | .1722769 |
| 2 | 2  | .1720032 | .0183861 | 9.36  | 0.000 | .1359672 | .2080393 |
| 2 | 3  | .2134879 | .0177602 | 12.02 | 0.000 | .1786784 | .2482973 |
| 2 | 4  | .2606021 | .0167038 | 15.60 | 0.000 | .2278632 | .293341  |
| 2 | 5  | .3126489 | .0159536 | 19.60 | 0.000 | .2813804 | .3439174 |
| 2 | 6  | .3685449 | .0165578 | 22.26 | 0.000 | .3360922 | .4009976 |
| 2 | 7  | .426912  | .0190903 | 22.36 | 0.000 | .3894957 | .4643282 |
| 2 | 8  | .486214  | .0231074 | 21.04 | 0.000 | .4409243 | .5315037 |
| 2 | 9  | .5449096 | .0277071 | 19.67 | 0.000 | .4906046 | .5992146 |
| 2 | 10 | .6015915 | .0321026 | 18.74 | 0.000 | .5386714 | .6645115 |
| 2 | 11 | .6550899 | .0357547 | 18.32 | 0.000 | .5850121 | .7251678 |
| 3 | 1  | .445995  | .0313129 | 14.24 | 0.000 | .3846228 | .5073672 |
| 3 | 2  | .4023963 | .0249532 | 16.13 | 0.000 | .3534888 | .4513037 |
| 3 | 3  | .3583205 | .019767  | 18.13 | 0.000 | .3195778 | .3970631 |
| 3 | 4  | .3145649 | .0164851 | 19.08 | 0.000 | .2822547 | .3468752 |
| 3 | 5  | .2720098 | .0154386 | 17.62 | 0.000 | .2417508 | .3022689 |
| 3 | 6  | .2315377 | .0159955 | 14.48 | 0.000 | .2001871 | .2628884 |
| 3 | 7  | .1939438 | .0170544 | 11.37 | 0.000 | .1605178 | .2273698 |
| 3 | 8  | .1598565 | .0178359 | 8.96  | 0.000 | .1248988 | .1948142 |
| 3 | 9  | .1296848 | .0180019 | 7.20  | 0.000 | .0944017 | .1649678 |
| 3 | 10 | .1036004 | .0174973 | 5.92  | 0.000 | .0693064 | .1378944 |
| 3 | 11 | .0815538 | .0164158 | 4.97  | 0.000 | .0493794 | .1137282 |

```

33 .
34 . *** Party identification
35 .
36 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp if Province==59 [iweight=regionWT], robust

```

```

Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -740.39217
Iteration 2: log pseudolikelihood = -729.69422
Iteration 3: log pseudolikelihood = -727.98313
Iteration 4: log pseudolikelihood = -727.95446
Iteration 5: log pseudolikelihood = -727.95442

```

Multinomial logistic regression

Number of obs = 983  
 Wald chi2(30) = 288.48  
 Prob > chi2 = 0.0000  
 Pseudo R2 = 0.2764

Log pseudolikelihood = -727.95442

| BCvote           | Coef.          | Robust Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|------------------|-------|-------|----------------------|-----------|
| <b>1</b>         | (base outcome) |                  |       |       |                      |           |
| <b>2</b>         |                |                  |       |       |                      |           |
| 1.female         | -.3961613      | .2225148         | -1.78 | 0.075 | -.8322823            | .0399598  |
| 1.younger        | -.6451574      | .3899689         | -1.65 | 0.098 | -1.409482            | .1191677  |
| 1.lowinc         | -.3797899      | .2675879         | -1.42 | 0.156 | -.9042526            | .1446728  |
| 1.missingincome  | -.1797775      | .3942501         | -0.46 | 0.648 | -.9524935            | .5929386  |
| 1.visible        | -.515207       | .3155029         | -1.63 | 0.102 | -1.133581            | .1031674  |
| 1.catholic       | -.4106058      | .3750401         | -1.09 | 0.274 | -1.145671            | .3244593  |
| 1.noreligion     | -.6267621      | .2498045         | -2.51 | 0.012 | -1.11637             | -.1371543 |
| 1.working        | -.0777736      | .2378753         | -0.33 | 0.744 | -.5440006            | .3884534  |
| 1.union          | -.3938344      | .2915265         | -1.35 | 0.177 | -.9652159            | .177547   |
| 1.bigcity        | -.2800256      | .3076435         | -0.91 | 0.363 | -.8829957            | .3229446  |
| 1.suburb         | -.1558373      | .2633951         | -0.59 | 0.554 | -.6720822            | .3604076  |
| antiredistribute | .1737073       | .0460175         | 3.77  | 0.000 | .0835147             | .2639     |
| 1.IDliberal      | -2.453819      | .6679135         | -3.67 | 0.000 | -3.762905            | -1.144733 |
| 1.IDconservative | 2.631432       | .3744767         | 7.03  | 0.000 | 1.897471             | 3.365393  |
| 1.IDndp          | -2.76208       | 1.039289         | -2.66 | 0.008 | -4.799049            | -.7251105 |
| _cons            | .046627        | .4505898         | 0.10  | 0.918 | -.8365128            | .9297668  |
| <b>3</b>         |                |                  |       |       |                      |           |
| 1.female         | -.1533695      | .1923979         | -0.80 | 0.425 | -.5304625            | .2237234  |
| 1.younger        | -.1991771      | .2540904         | -0.78 | 0.433 | -.6971852            | .298831   |
| 1.lowinc         | .2224666       | .2189886         | 1.02  | 0.310 | -.2067432            | .6516764  |
| 1.missingincome  | -.3228402      | .3348886         | -0.96 | 0.335 | -.9792099            | .3335295  |
| 1.visible        | -.2795335      | .2660339         | -1.05 | 0.293 | -.8009504            | .2418834  |
| 1.catholic       | -.6028651      | .2963247         | -2.03 | 0.042 | -1.183651            | -.0220794 |
| 1.noreligion     | -.0701895      | .2130927         | -0.33 | 0.742 | -.4878435            | .3474645  |
| 1.working        | .4629787       | .2185333         | 2.12  | 0.034 | .0346612             | .8912962  |
| 1.union          | .2654089       | .2102846         | 1.26  | 0.207 | -.1467412            | .6775591  |
| 1.bigcity        | -.6074428      | .26025           | -2.33 | 0.020 | -1.117523            | -.0973622 |
| 1.suburb         | -.4034794      | .2296448         | -1.76 | 0.079 | -.853575             | .0466161  |
| antiredistribute | -.0923607      | .0357229         | -2.59 | 0.010 | -.1623764            | -.022345  |
| 1.IDliberal      | -1.71713       | .2855857         | -6.01 | 0.000 | -2.276868            | -1.157392 |
| 1.IDconservative | -.5294191      | .5575731         | -0.95 | 0.342 | -1.622242            | .5634041  |
| 1.IDndp          | 1.690836       | .3272776         | 5.17  | 0.000 | 1.049383             | 2.332288  |
| _cons            | .1244358       | .3398541         | 0.37  | 0.714 | -.541666             | .7905375  |

37 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.

```
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp if Province==59 [iweight=regionWT], baseoutcome(2) robust
```

```
Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -740.39217
Iteration 2: log pseudolikelihood = -729.69422
Iteration 3: log pseudolikelihood = -727.98313
Iteration 4: log pseudolikelihood = -727.95446
Iteration 5: log pseudolikelihood = -727.95442
```

```
Multinomial logistic regression      Number of obs      =      983
                                     Wald chi2(30)       =      288.48
                                     Prob > chi2         =      0.0000
Log pseudolikelihood = -727.95442   Pseudo R2          =      0.2764
```

| BCvote           | Coef.          | Robust Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|------------------|-------|-------|----------------------|-----------|
| <b>1</b>         |                |                  |       |       |                      |           |
| 1.female         | .3961613       | .2225148         | 1.78  | 0.075 | -.0399598            | .8322823  |
| 1.younger        | .6451574       | .3899689         | 1.65  | 0.098 | -.1191677            | 1.409482  |
| 1.lowinc         | .3797899       | .2675879         | 1.42  | 0.156 | -.1446728            | .9042526  |
| 1.missingincome  | .1797775       | .3942501         | 0.46  | 0.648 | -.5929386            | .9524935  |
| 1.visible        | .515207        | .3155029         | 1.63  | 0.102 | -.1031674            | 1.133581  |
| 1.catholic       | .4106058       | .3750401         | 1.09  | 0.274 | -.3244593            | 1.145671  |
| 1.noreligion     | .6267621       | .2498045         | 2.51  | 0.012 | .1371543             | 1.11637   |
| 1.working        | .0777736       | .2378753         | 0.33  | 0.744 | -.3884534            | .5440006  |
| 1.union          | .3938344       | .2915265         | 1.35  | 0.177 | -.177547             | .9652159  |
| 1.bigcity        | .2800256       | .3076435         | 0.91  | 0.363 | -.3229446            | .8829957  |
| 1.suburb         | .1558373       | .2633951         | 0.59  | 0.554 | -.3604076            | .6720822  |
| antiredistribute | -.1737073      | .0460175         | -3.77 | 0.000 | -.2639               | -.0835147 |
| 1.IDliberal      | 2.453819       | .6679135         | 3.67  | 0.000 | 1.144733             | 3.762905  |
| 1.IDconservative | -2.631432      | .3744767         | -7.03 | 0.000 | -3.365393            | -1.897471 |
| 1.IDndp          | 2.76208        | 1.039289         | 2.66  | 0.008 | .7251105             | 4.799049  |
| _cons            | -.046627       | .4505898         | -0.10 | 0.918 | -.9297668            | .8365128  |
| <b>2</b>         | (base outcome) |                  |       |       |                      |           |
| <b>3</b>         |                |                  |       |       |                      |           |
| 1.female         | .2427917       | .2412697         | 1.01  | 0.314 | -.2300882            | .7156717  |
| 1.younger        | .4459803       | .4228188         | 1.05  | 0.292 | -.3827294            | 1.27469   |
| 1.lowinc         | .6022564       | .2928357         | 2.06  | 0.040 | .0283091             | 1.176204  |
| 1.missingincome  | -.1430627      | .4288869         | -0.33 | 0.739 | -.9836656            | .6975402  |
| 1.visible        | .2356734       | .3414242         | 0.69  | 0.490 | -.4335057            | .9048526  |
| 1.catholic       | -.1922593      | .3764734         | -0.51 | 0.610 | -.9301337            | .545615   |
| 1.noreligion     | .5565726       | .2779809         | 2.00  | 0.045 | .01174               | 1.101405  |
| 1.working        | .5407522       | .2635294         | 2.05  | 0.040 | .0242442             | 1.05726   |
| 1.union          | .6592434       | .299874          | 2.20  | 0.028 | .0715011             | 1.246986  |





|       |                  |                  |               |
|-------|------------------|------------------|---------------|
| Total | <b>941.30463</b> | <b>112.69537</b> | <b>1,054</b>  |
|       | <b>100.00</b>    | <b>100.00</b>    | <b>100.00</b> |

44 . tab ONTvote IDconservative if Province==59 [aweight=regionWT], col

|                          |
|--------------------------|
| Key                      |
| <i>frequency</i>         |
| <i>column percentage</i> |

| ONTvote | IDconservative   |                  | Total            |
|---------|------------------|------------------|------------------|
|         | 0                | 1                |                  |
| 1       | <b>395.14049</b> | <b>10.955587</b> | <b>406.09608</b> |
|         | <b>44.65</b>     | <b>6.48</b>      | <b>38.53</b>     |
| 2       | <b>192.6561</b>  | <b>153.56934</b> | <b>346.22544</b> |
|         | <b>21.77</b>     | <b>90.82</b>     | <b>32.85</b>     |
| 3       | <b>297.10243</b> | <b>4.5760539</b> | <b>301.67848</b> |
|         | <b>33.57</b>     | <b>2.71</b>      | <b>28.62</b>     |
| Total   | <b>884.89902</b> | <b>169.10098</b> | <b>1,054</b>     |
|         | <b>100.00</b>    | <b>100.00</b>    | <b>100.00</b>    |

45 . tab ONTvote IDndp if Province==59 [aweight=regionWT], col

|                          |
|--------------------------|
| Key                      |
| <i>frequency</i>         |
| <i>column percentage</i> |

| ONTvote | IDndp            |                 | Total            |
|---------|------------------|-----------------|------------------|
|         | 0                | 1               |                  |
| 1       | <b>387.20833</b> | <b>18.88775</b> | <b>406.09608</b> |
|         | <b>40.72</b>     | <b>18.31</b>    | <b>38.53</b>     |
| 2       | <b>345.60481</b> | <b>.6206269</b> | <b>346.22544</b> |
|         | <b>36.35</b>     | <b>0.60</b>     | <b>32.85</b>     |
| 3       | <b>218.01244</b> | <b>83.66604</b> | <b>301.67848</b> |
|         | <b>22.93</b>     | <b>81.09</b>    | <b>28.62</b>     |



|       |                  |                  |               |
|-------|------------------|------------------|---------------|
| Total | <b>950.82558</b> | <b>103.17442</b> | <b>1,054</b>  |
|       | <b>100.00</b>    | <b>100.00</b>    | <b>100.00</b> |

```
46 .
47 . tab ONTVote IDnone if Province==59 [aweight=regionWT], col
```

|                          |
|--------------------------|
| Key                      |
| <i>frequency</i>         |
| <i>column percentage</i> |

| ONTVote | IDnone           |                  | Total            |
|---------|------------------|------------------|------------------|
|         | 0                | 1                |                  |
| 1       | <b>124.29953</b> | <b>281.79655</b> | <b>406.09608</b> |
|         | <b>32.29</b>     | <b>42.12</b>     | <b>38.53</b>     |
| 2       | <b>160.60374</b> | <b>185.6217</b>  | <b>346.22544</b> |
|         | <b>41.72</b>     | <b>27.74</b>     | <b>32.85</b>     |
| 3       | <b>100.0675</b>  | <b>201.61098</b> | <b>301.67848</b> |
|         | <b>25.99</b>     | <b>30.13</b>     | <b>28.62</b>     |
| Total   | <b>384.97077</b> | <b>669.02923</b> | <b>1,054</b>     |
|         | <b>100.00</b>    | <b>100.00</b>    | <b>100.00</b>    |

```
48 .
49 . *** Issues
50 .
51 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp sociotropic budget i.antiniqab rehabilitate services corrupt
> ion if Province==59 [iweight=regionWT], robust
```

```
Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -687.67446
Iteration 2: log pseudolikelihood = -679.07728
Iteration 3: log pseudolikelihood = -667.08438
Iteration 4: log pseudolikelihood = -667.04637
Iteration 5: log pseudolikelihood = -667.04635
```

```
Multinomial logistic regression      Number of obs      =      983
                                     Wald chi2(42)      =      325.10
                                     Prob > chi2        =      0.0000
```

Log pseudolikelihood = -667.04635

Pseudo R2

= 0.3370

| BCvote           | Coef.          | Robust<br>Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|---------------------|-------|-------|----------------------|-----------|
| <b>1</b>         | (base outcome) |                     |       |       |                      |           |
| <b>2</b>         |                |                     |       |       |                      |           |
| 1.female         | -.2162198      | .2388195            | -0.91 | 0.365 | -.6842974            | .2518578  |
| 1.younger        | -.3181761      | .4094935            | -0.78 | 0.437 | -1.120769            | .4844165  |
| 1.lowinc         | -.3535263      | .2667927            | -1.33 | 0.185 | -.8764303            | .1693778  |
| 1.missingincome  | -.242717       | .4300816            | -0.56 | 0.573 | -1.085661            | .6002273  |
| 1.visible        | -.3691537      | .3332797            | -1.11 | 0.268 | -1.02237             | .2840626  |
| 1.catholic       | -.3558181      | .3811277            | -0.93 | 0.351 | -1.102815            | .3911785  |
| 1.noreligion     | -.5515286      | .2934659            | -1.88 | 0.060 | -1.126711            | .0236539  |
| 1.working        | -.0149572      | .2481831            | -0.06 | 0.952 | -.5013871            | .4714728  |
| 1.union          | -.5072449      | .2918042            | -1.74 | 0.082 | -1.079171            | .0646809  |
| 1.bigcity        | -.3980937      | .3215355            | -1.24 | 0.216 | -1.028292            | .2321043  |
| 1.suburb         | -.2052185      | .2800026            | -0.73 | 0.464 | -.7540134            | .3435765  |
| antiredistribute | .1537251       | .0511888            | 3.00  | 0.003 | .0533968             | .2540533  |
| 1.IDliberal      | -1.821561      | .6918223            | -2.63 | 0.008 | -3.177508            | -.4656147 |
| 1.IDconservative | 1.808204       | .3695173            | 4.89  | 0.000 | 1.083963             | 2.532445  |
| 1.IDndp          | -2.166167      | 1.013213            | -2.14 | 0.033 | -4.152028            | -.1803066 |
| sociotropic      | .5728455       | .2088106            | 2.74  | 0.006 | .1635843             | .9821067  |
| budget           | .6401831       | .1927899            | 3.32  | 0.001 | .2623219             | 1.018044  |
| 1.antiniqab      | .7965331       | .273656             | 2.91  | 0.004 | .2601773             | 1.332889  |
| rehabilitate     | -.0826297      | .0585791            | -1.41 | 0.158 | -.1974427            | .0321834  |
| services         | -.0963949      | .0532655            | -1.81 | 0.070 | -.2007934            | .0080035  |
| corruption       | -.4025431      | .1733305            | -2.32 | 0.020 | -.7422645            | -.0628216 |
| _cons            | -.5133478      | .7080495            | -0.73 | 0.468 | -1.901099            | .8744037  |
| <b>3</b>         |                |                     |       |       |                      |           |
| 1.female         | -.1232069      | .1942405            | -0.63 | 0.526 | -.5039114            | .2574975  |
| 1.younger        | -.1253542      | .2642637            | -0.47 | 0.635 | -.6433015            | .3925932  |
| 1.lowinc         | .2197688       | .2255135            | 0.97  | 0.330 | -.2222296            | .6617672  |
| 1.missingincome  | -.2707717      | .3460076            | -0.78 | 0.434 | -.9489341            | .4073906  |
| 1.visible        | -.2566811      | .265833             | -0.97 | 0.334 | -.7777042            | .2643421  |
| 1.catholic       | -.5201701      | .3113741            | -1.67 | 0.095 | -1.130452            | .090112   |
| 1.noreligion     | -.1053751      | .217733             | -0.48 | 0.628 | -.532124             | .3213737  |
| 1.working        | .435708        | .2209824            | 1.97  | 0.049 | .0025904             | .8688256  |
| 1.union          | .2131663       | .2135506            | 1.00  | 0.318 | -.2053853            | .6317178  |
| 1.bigcity        | -.5186203      | .2608463            | -1.99 | 0.047 | -1.02987             | -.007371  |
| 1.suburb         | -.3160824      | .2292128            | -1.38 | 0.168 | -.7653313            | .1331665  |
| antiredistribute | -.0788566      | .0379511            | -2.08 | 0.038 | -.1532395            | -.0044738 |
| 1.IDliberal      | -1.683397      | .2949641            | -5.71 | 0.000 | -2.261515            | -1.105278 |
| 1.IDconservative | -.4178536      | .5694247            | -0.73 | 0.463 | -1.533905            | .6981983  |
| 1.IDndp          | 1.671715       | .3384145            | 4.94  | 0.000 | 1.008435             | 2.334995  |
| sociotropic      | .0515086       | .1952878            | 0.26  | 0.792 | -.3312484            | .4342656  |

|              |           |          |       |       |           |           |
|--------------|-----------|----------|-------|-------|-----------|-----------|
| budget       | .1698793  | .1123157 | 1.51  | 0.130 | -.0502554 | .3900139  |
| 1.antiniqab  | -.2000743 | .2091847 | -0.96 | 0.339 | -.6100688 | .2099202  |
| rehabilitate | -.0736686 | .0324611 | -2.27 | 0.023 | -.1372912 | -.0100461 |
| services     | .0454464  | .0369387 | 1.23  | 0.219 | -.0269522 | .1178449  |
| corruption   | .2524579  | .1333716 | 1.89  | 0.058 | -.0089456 | .5138614  |
| _cons        | -.4269703 | .550091  | -0.78 | 0.438 | -1.505129 | .6511881  |

```
52 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp sociotropic budget i.antiniqab rehabilitate services corrupt
> ion if Province==59 [iweight=regionWT], baseoutcome(2) robust
```

```
Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -687.67446
Iteration 2: log pseudolikelihood = -679.07728
Iteration 3: log pseudolikelihood = -667.08438
Iteration 4: log pseudolikelihood = -667.04637
Iteration 5: log pseudolikelihood = -667.04635
```

```
Multinomial logistic regression      Number of obs      =      983
                                     Wald chi2(42)       =      325.10
                                     Prob > chi2         =      0.0000
Log pseudolikelihood = -667.04635    Pseudo R2          =      0.3370
```

| BCvote           | Coef.     | Robust Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|-----------|------------------|-------|-------|----------------------|-----------|
| <b>1</b>         |           |                  |       |       |                      |           |
| 1.female         | .2162198  | .2388195         | 0.91  | 0.365 | -.2518578            | .6842974  |
| 1.younger        | .3181761  | .4094935         | 0.78  | 0.437 | -.4844165            | 1.120769  |
| 1.lowinc         | .3535263  | .2667927         | 1.33  | 0.185 | -.1693778            | .8764303  |
| 1.missingincome  | .242717   | .4300816         | 0.56  | 0.573 | -.6002273            | 1.085661  |
| 1.visible        | .3691537  | .3332797         | 1.11  | 0.268 | -.2840626            | 1.02237   |
| 1.catholic       | .3558181  | .3811277         | 0.93  | 0.351 | -.3911785            | 1.102815  |
| 1.noreligion     | .5515286  | .2934659         | 1.88  | 0.060 | -.0236539            | 1.126711  |
| 1.working        | .0149572  | .2481831         | 0.06  | 0.952 | -.4714728            | .5013871  |
| 1.union          | .5072449  | .2918042         | 1.74  | 0.082 | -.0646809            | 1.079171  |
| 1.bigcity        | .3980937  | .3215355         | 1.24  | 0.216 | -.2321043            | 1.028292  |
| 1.suburb         | .2052185  | .2800026         | 0.73  | 0.464 | -.3435765            | .7540134  |
| antiredistribute | -.1537251 | .0511888         | -3.00 | 0.003 | -.2540533            | -.0533968 |
| 1.IDliberal      | 1.821561  | .6918223         | 2.63  | 0.008 | .4656147             | 3.177508  |
| 1.IDconservative | -1.808204 | .3695173         | -4.89 | 0.000 | -2.532445            | -1.083963 |
| 1.IDndp          | 2.166167  | 1.013213         | 2.14  | 0.033 | .1803066             | 4.152028  |
| sociotropic      | -.5728455 | .2088106         | -2.74 | 0.006 | -.9821067            | -.1635843 |
| budget           | -.6401831 | .1927899         | -3.32 | 0.001 | -1.018044            | -.2623219 |
| 1.antiniqab      | -.7965331 | .273656          | -2.91 | 0.004 | -1.332889            | -.2601773 |
| rehabilitate     | .0826297  | .0585791         | 1.41  | 0.158 | -.0321834            | .1974427  |

|                  |                |          |       |       |           |           |
|------------------|----------------|----------|-------|-------|-----------|-----------|
| services         | .0963949       | .0532655 | 1.81  | 0.070 | -.0080035 | .2007934  |
| corruption       | .4025431       | .1733305 | 2.32  | 0.020 | .0628216  | .7422645  |
| _cons            | .5133478       | .7080495 | 0.73  | 0.468 | -.8744037 | 1.901099  |
| 2                | (base outcome) |          |       |       |           |           |
| 3                |                |          |       |       |           |           |
| 1.female         | .0930129       | .2592393 | 0.36  | 0.720 | -.4150869 | .6011126  |
| 1.younger        | .1928219       | .4593745 | 0.42  | 0.675 | -.7075357 | 1.093179  |
| 1.lowinc         | .5732951       | .2920824 | 1.96  | 0.050 | .0008241  | 1.145766  |
| 1.missingincome  | -.0280547      | .488075  | -0.06 | 0.954 | -.9846641 | .9285548  |
| 1.visible        | .1124726       | .3597165 | 0.31  | 0.755 | -.5925587 | .8175039  |
| 1.catholic       | -.1643521      | .3972815 | -0.41 | 0.679 | -.9430094 | .6143053  |
| 1.noreligion     | .4461535       | .3277619 | 1.36  | 0.173 | -.196248  | 1.088555  |
| 1.working        | .4506651       | .2747751 | 1.64  | 0.101 | -.0878841 | .9892143  |
| 1.union          | .7204112       | .3008574 | 2.39  | 0.017 | .1307415  | 1.310081  |
| 1.bigcity        | -.1205267      | .3488092 | -0.35 | 0.730 | -.8041802 | .5631268  |
| 1.suburb         | -.1108639      | .3024379 | -0.37 | 0.714 | -.7036312 | .4819034  |
| antiredistribute | -.2325817      | .0551886 | -4.21 | 0.000 | -.3407494 | -.1244141 |
| 1.IDliberal      | .1381649       | .7109112 | 0.19  | 0.846 | -1.255195 | 1.531525  |
| 1.IDconservative | -2.226058      | .5048029 | -4.41 | 0.000 | -3.215453 | -1.236662 |
| 1.IDndp          | 3.837882       | .9972751 | 3.85  | 0.000 | 1.883259  | 5.792505  |
| sociotropic      | -.5213369      | .2287581 | -2.28 | 0.023 | -.9696946 | -.0729793 |
| budget           | -.4703039      | .2022072 | -2.33 | 0.020 | -.8666226 | -.0739851 |
| 1.antiniqab      | -.9966075      | .2901781 | -3.43 | 0.001 | -1.565346 | -.4278688 |
| rehabilitate     | .008961        | .062002  | 0.14  | 0.885 | -.1125607 | .1304827  |
| services         | .1418413       | .0557477 | 2.54  | 0.011 | .0325778  | .2511048  |
| corruption       | .6550009       | .1834763 | 3.57  | 0.000 | .295394   | 1.014608  |
| _cons            | .0863774       | .7456823 | 0.12  | 0.908 | -1.375133 | 1.547888  |

53 .

54 . margins, at(sociotropic=(-1 0 1))

```

Predictive margins                                Number of obs   =           983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))

1._at         : sociotropic      =           -1
2._at         : sociotropic      =            0
3._at         : sociotropic      =            1
    
```

Delta-method

|                     | Margin   | Std. Err. | z     | P> z  | [95% Conf. Interval] |          |
|---------------------|----------|-----------|-------|-------|----------------------|----------|
| <u>_predict#_at</u> |          |           |       |       |                      |          |
| 1 1                 | .4094508 | .019823   | 20.66 | 0.000 | .3705984             | .4483032 |
| 1 2                 | .3623824 | .0226283  | 16.01 | 0.000 | .3180318             | .4067329 |
| 1 3                 | .3136119 | .0441894  | 7.10  | 0.000 | .2270023             | .4002215 |
| 2 1                 | .3042971 | .0173268  | 17.56 | 0.000 | .2703373             | .338257  |
| 2 2                 | .3679605 | .018047   | 20.39 | 0.000 | .332589              | .4033319 |
| 2 3                 | .4373498 | .0405918  | 10.77 | 0.000 | .3577913             | .5169083 |
| 3 1                 | .2862521 | .0165376  | 17.31 | 0.000 | .253839              | .3186652 |
| 3 2                 | .2696572 | .0215567  | 12.51 | 0.000 | .2274068             | .3119075 |
| 3 3                 | .2490383 | .0417513  | 5.96  | 0.000 | .1672073             | .3308694 |

55 . margins, at(budget=(0 (1) 3))

```

Predictive margins                                Number of obs      =          983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))

1._at         : budget          =          0
2._at         : budget          =          1
3._at         : budget          =          2
4._at         : budget          =          3
    
```

|                     | Delta-method |           | z     | P> z  | [95% Conf. Interval] |          |
|---------------------|--------------|-----------|-------|-------|----------------------|----------|
|                     | Margin       | Std. Err. |       |       |                      |          |
| <u>_predict#_at</u> |              |           |       |       |                      |          |
| 1 1                 | .5312556     | .0499247  | 10.64 | 0.000 | .4334049             | .6291062 |
| 1 2                 | .4654196     | .0300301  | 15.50 | 0.000 | .4065617             | .5242775 |
| 1 3                 | .3981837     | .0162361  | 24.52 | 0.000 | .3663614             | .4300059 |
| 1 4                 | .3314655     | .0241446  | 13.73 | 0.000 | .284143              | .378788  |
| 2 1                 | .1970864     | .0431602  | 4.57  | 0.000 | .112494              | .2816788 |
| 2 2                 | .2538558     | .0298066  | 8.52  | 0.000 | .1954359             | .3122756 |
| 2 3                 | .318149      | .0152285  | 20.89 | 0.000 | .2883017             | .3479963 |
| 2 4                 | .389104      | .0243346  | 15.99 | 0.000 | .3414091             | .4367988 |
| 3 1                 | .271658      | .0379344  | 7.16  | 0.000 | .197308              | .346008  |
| 3 2                 | .2807246     | .0231772  | 12.11 | 0.000 | .2352982             | .326151  |
| 3 3                 | .2836673     | .0138763  | 20.44 | 0.000 | .2564703             | .3108643 |
| 3 4                 | .2794305     | .0201928  | 13.84 | 0.000 | .2398534             | .3190076 |

56 . margins, at(rehabilitate=(0 (1) 10))

```

Predictive margins                                Number of obs   =           983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))

1._at         : rehabilitate   =           0
2._at         : rehabilitate   =           1
3._at         : rehabilitate   =           2
4._at         : rehabilitate   =           3
5._at         : rehabilitate   =           4
6._at         : rehabilitate   =           5
7._at         : rehabilitate   =           6
8._at         : rehabilitate   =           7
9._at         : rehabilitate   =           8
10._at        : rehabilitate   =           9
11._at        : rehabilitate   =          10
    
```

|                     |    | Delta-method |           |       |       |                      |
|---------------------|----|--------------|-----------|-------|-------|----------------------|
|                     |    | Margin       | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| <u>_predict#_at</u> |    |              |           |       |       |                      |
| 1                   | 1  | .3265726     | .0269571  | 12.11 | 0.000 | .2737376 .3794076    |
| 1                   | 2  | .3395707     | .0228897  | 14.84 | 0.000 | .2947077 .3844337    |
| 1                   | 3  | .3527751     | .0192458  | 18.33 | 0.000 | .3150541 .3904961    |
| 1                   | 4  | .3661691     | .0165262  | 22.16 | 0.000 | .3337783 .3985599    |
| 1                   | 5  | .3797347     | .0154444  | 24.59 | 0.000 | .3494643 .4100051    |
| 1                   | 6  | .3934531     | .0165016  | 23.84 | 0.000 | .3611106 .4257957    |
| 1                   | 7  | .4073047     | .0194723  | 20.92 | 0.000 | .3691397 .4454697    |
| 1                   | 8  | .421269      | .0237233  | 17.76 | 0.000 | .3747722 .4677658    |
| 1                   | 9  | .4353252     | .0287343  | 15.15 | 0.000 | .3790071 .4916434    |
| 1                   | 10 | .449452      | .0341906  | 13.15 | 0.000 | .3824398 .5164643    |
| 1                   | 11 | .4636279     | .0399091  | 11.62 | 0.000 | .3854076 .5418482    |
| 2                   | 1  | .3608625     | .0257186  | 14.03 | 0.000 | .310455 .41127       |



```

1._predict : Pr(BCvote==1), predict(pr outcome(1))
2._predict : Pr(BCvote==2), predict(pr outcome(2))
3._predict : Pr(BCvote==3), predict(pr outcome(3))

1._at      : corruption      =          0
2._at      : corruption      =          1
3._at      : corruption      =          2
    
```

|                     | Delta-method |           |       |       |          | [95% Conf. Interval] |  |
|---------------------|--------------|-----------|-------|-------|----------|----------------------|--|
|                     | Margin       | Std. Err. | z     | P> z  |          |                      |  |
| <u>_predict#_at</u> |              |           |       |       |          |                      |  |
| 1 1                 | .3905943     | .0294834  | 13.25 | 0.000 | .3328079 | .4483807             |  |
| 1 2                 | .3985537     | .0162919  | 24.46 | 0.000 | .3666222 | .4304852             |  |
| 1 3                 | .3968644     | .0244341  | 16.24 | 0.000 | .3489745 | .4447543             |  |
| 2 1                 | .3942142     | .0249629  | 15.79 | 0.000 | .3452878 | .4431406             |  |
| 2 2                 | .3342746     | .0139897  | 23.89 | 0.000 | .3068552 | .3616939             |  |
| 2 3                 | .2783941     | .023468   | 11.86 | 0.000 | .2323976 | .3243906             |  |
| 3 1                 | .2151915     | .0245973  | 8.75  | 0.000 | .1669818 | .2634013             |  |
| 3 2                 | .2671717     | .0148307  | 18.01 | 0.000 | .238104  | .2962395             |  |
| 3 3                 | .3247416     | .0218624  | 14.85 | 0.000 | .281892  | .3675911             |  |

```
59 . margins, at(services=(0 (1) 10))
```

```

Predictive margins                                Number of obs      =          983
Model VCE      : Robust

1._predict : Pr(BCvote==1), predict(pr outcome(1))
2._predict : Pr(BCvote==2), predict(pr outcome(2))
3._predict : Pr(BCvote==3), predict(pr outcome(3))

1._at      : services      =          0
2._at      : services      =          1
3._at      : services      =          2
4._at      : services      =          3
5._at      : services      =          4
6._at      : services      =          5
7._at      : services      =          6
    
```



```

8._at      : services      =          7
9._at      : services      =          8
10._at     : services      =          9
11._at     : services      =         10

```

| _predict#_at | Delta-method |           |       |       |          | [95% Conf. Interval] |  |
|--------------|--------------|-----------|-------|-------|----------|----------------------|--|
|              | Margin       | Std. Err. | z     | P> z  |          |                      |  |
| 1 1          | .3738579     | .0376259  | 9.94  | 0.000 | .3001126 | .4476032             |  |
| 1 2          | .3777719     | .0319431  | 11.83 | 0.000 | .3151645 | .4403794             |  |
| 1 3          | .3812959     | .0265685  | 14.35 | 0.000 | .3292225 | .4333692             |  |
| 1 4          | .3844256     | .0216989  | 17.72 | 0.000 | .3418967 | .4269546             |  |
| 1 5          | .3871591     | .017721   | 21.85 | 0.000 | .3524266 | .4218916             |  |
| 1 6          | .3894961     | .0153176  | 25.43 | 0.000 | .3594741 | .4195181             |  |
| 1 7          | .3914383     | .0152393  | 25.69 | 0.000 | .3615699 | .4213067             |  |
| 1 8          | .3929893     | .0175196  | 22.43 | 0.000 | .3586515 | .4273271             |  |
| 1 9          | .3941542     | .0214315  | 18.39 | 0.000 | .3521493 | .4361591             |  |
| 1 10         | .3949395     | .0262749  | 15.03 | 0.000 | .3434417 | .4464373             |  |
| 1 11         | .395353      | .0316468  | 12.49 | 0.000 | .3333265 | .4573796             |  |
| 2 1          | .4030827     | .0379303  | 10.63 | 0.000 | .3287406 | .4774248             |  |
| 2 2          | .3894366     | .0313469  | 12.42 | 0.000 | .3279978 | .4508753             |  |
| 2 3          | .3759829     | .0252198  | 14.91 | 0.000 | .326553  | .4254128             |  |
| 2 4          | .3627359     | .0197723  | 18.35 | 0.000 | .3239829 | .4014888             |  |
| 2 5          | .3497077     | .0154424  | 22.65 | 0.000 | .3194411 | .3799742             |  |
| 2 6          | .3369089     | .0130082  | 25.90 | 0.000 | .3114134 | .3624044             |  |
| 2 7          | .324348      | .0131737  | 24.62 | 0.000 | .2985281 | .3501679             |  |
| 2 8          | .3120318     | .015553   | 20.06 | 0.000 | .2815485 | .3425151             |  |
| 2 9          | .2999652     | .0191046  | 15.70 | 0.000 | .262521  | .3374095             |  |
| 2 10         | .2881515     | .023109   | 12.47 | 0.000 | .2428587 | .3334444             |  |
| 2 11         | .2765924     | .0272187  | 10.16 | 0.000 | .2232447 | .3299401             |  |
| 3 1          | .2230594     | .0278893  | 8.00  | 0.000 | .1683973 | .2777215             |  |
| 3 2          | .2327915     | .024436   | 9.53  | 0.000 | .1848977 | .2806853             |  |
| 3 3          | .2427212     | .0209791  | 11.57 | 0.000 | .201603  | .2838394             |  |
| 3 4          | .2528385     | .0177149  | 14.27 | 0.000 | .2181179 | .2875591             |  |
| 3 5          | .2631332     | .0150133  | 17.53 | 0.000 | .2337077 | .2925588             |  |
| 3 6          | .2735951     | .0134966  | 20.27 | 0.000 | .2471422 | .300048              |  |
| 3 7          | .2842137     | .0138347  | 20.54 | 0.000 | .2570982 | .3113292             |  |
| 3 8          | .2949789     | .0161352  | 18.28 | 0.000 | .2633544 | .3266034             |  |
| 3 9          | .3058806     | .0199014  | 15.37 | 0.000 | .2668746 | .3448866             |  |
| 3 10         | .316909      | .0246044  | 12.88 | 0.000 | .2686852 | .3651328             |  |
| 3 11         | .3280546     | .0299131  | 10.97 | 0.000 | .2694261 | .3866831             |  |

```

60 .
61 .
62 . *** Leadership
63 .
64 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp sociotropic budget i.antiniqab rehabilitate services corrupt
> ion Trudeau Harper mulcair if Province==59 [iweight=regionWT], robust

```

```

Iteration 0: log pseudolikelihood = -1006.0415
Iteration 1: log pseudolikelihood = -545.92658
Iteration 2: log pseudolikelihood = -523.57734
Iteration 3: log pseudolikelihood = -518.54439
Iteration 4: log pseudolikelihood = -518.52974
Iteration 5: log pseudolikelihood = -518.52971

```

```

Multinomial logistic regression           Number of obs   =      983
                                           Wald chi2(48)   =     335.17
                                           Prob > chi2     =      0.0000
Log pseudolikelihood = -518.52971       Pseudo R2       =      0.4846

```

| BCvote           | Coef.          | Robust Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|------------------|-------|-------|----------------------|-----------|
| 1                | (base outcome) |                  |       |       |                      |           |
| 2                |                |                  |       |       |                      |           |
| 1.female         | .0513442       | .2798779         | 0.18  | 0.854 | -.4972063            | .5998948  |
| 1.younger        | -.20135        | .4920896         | -0.41 | 0.682 | -1.165828            | .763128   |
| 1.lowinc         | -.273781       | .2914204         | -0.94 | 0.347 | -.8449544            | .2973924  |
| 1.missingincome  | -.1990166      | .4598794         | -0.43 | 0.665 | -1.100364            | .7023305  |
| 1.visible        | -.561036       | .3503311         | -1.60 | 0.109 | -1.247672            | .1256003  |
| 1.catholic       | -.4996923      | .4625437         | -1.08 | 0.280 | -1.406261            | .4068768  |
| 1.noreligion     | -.4102766      | .3329164         | -1.23 | 0.218 | -1.062781            | .2422276  |
| 1.working        | .0705732       | .2981819         | 0.24  | 0.813 | -.5138527            | .654999   |
| 1.union          | -.3883466      | .3315831         | -1.17 | 0.242 | -1.038238            | .2615444  |
| 1.bigcity        | -.4117042      | .3634885         | -1.13 | 0.257 | -1.124129            | .3007203  |
| 1.suburb         | -.2604233      | .3468968         | -0.75 | 0.453 | -.9403286            | .419482   |
| antiredistribute | .0916836       | .0556065         | 1.65  | 0.099 | -.017303             | .2006703  |
| 1.IDliberal      | -.6242814      | .8219989         | -0.76 | 0.448 | -2.23537             | .9868068  |
| 1.IDconservative | .5691203       | .4479529         | 1.27  | 0.204 | -.3088512            | 1.447092  |
| 1.IDndp          | -1.937188      | 1.170344         | -1.66 | 0.098 | -4.23102             | .3566444  |
| sociotropic      | -.0230689      | .2454007         | -0.09 | 0.925 | -.5040455            | .4579076  |
| budget           | .4623037       | .1946324         | 2.38  | 0.018 | .0808311             | .8437762  |
| 1.antiniqab      | .2963409       | .3159117         | 0.94  | 0.348 | -.3228346            | .9155164  |
| rehabilitate     | -.0074296      | .0635989         | -0.12 | 0.907 | -.1320811            | .1172219  |
| services         | -.1229798      | .0602764         | -2.04 | 0.041 | -.2411194            | -.0048402 |
| corruption       | .1828821       | .245696          | 0.74  | 0.457 | -.2986732            | .6644375  |

|          |                  |           |          |       |       |           |           |
|----------|------------------|-----------|----------|-------|-------|-----------|-----------|
|          | Trudeau          | -.274361  | .0599184 | -4.58 | 0.000 | -.3917989 | -.156923  |
|          | Harper           | .4177875  | .0693244 | 6.03  | 0.000 | .2819142  | .5536608  |
|          | mulcair          | -.0483855 | .0765858 | -0.63 | 0.528 | -.1984908 | .1017199  |
|          | _cons            | -.9381366 | .8419772 | -1.11 | 0.265 | -2.588382 | .7121084  |
| <b>3</b> |                  |           |          |       |       |           |           |
|          | 1.female         | -.041367  | .2178985 | -0.19 | 0.849 | -.4684403 | .3857062  |
|          | 1.younger        | .125126   | .3108359 | 0.40  | 0.687 | -.4841013 | .7343532  |
|          | 1.lowinc         | .1834798  | .2369566 | 0.77  | 0.439 | -.2809466 | .6479062  |
|          | 1.missingincome  | .0239478  | .3763913 | 0.06  | 0.949 | -.7137656 | .7616612  |
|          | 1.visible        | -.0941791 | .2963463 | -0.32 | 0.751 | -.6750072 | .486649   |
|          | 1.catholic       | -.5903649 | .3356516 | -1.76 | 0.079 | -1.24823  | .0675002  |
|          | 1.noreligion     | -.1801724 | .2467687 | -0.73 | 0.465 | -.6638301 | .3034854  |
|          | 1.working        | .2816766  | .2545723 | 1.11  | 0.269 | -.2172759 | .7806292  |
|          | 1.union          | .3091918  | .2403387 | 1.29  | 0.198 | -.1618634 | .7802469  |
|          | 1.bigcity        | -.5987475 | .2923775 | -2.05 | 0.041 | -1.171797 | -.0256982 |
|          | 1.suburb         | -.4379896 | .2570232 | -1.70 | 0.088 | -.9417459 | .0657667  |
|          | antiredistribute | -.0198408 | .0407469 | -0.49 | 0.626 | -.0997033 | .0600217  |
|          | 1.IDliberal      | -1.086721 | .3388993 | -3.21 | 0.001 | -1.750952 | -.4224909 |
|          | 1.IDconservative | -.2984834 | .6031895 | -0.49 | 0.621 | -1.480713 | .8837464  |
|          | 1.IDndp          | .6664894  | .3576061 | 1.86  | 0.062 | -.0344057 | 1.367384  |
|          | sociotropic      | .3280558  | .2191975 | 1.50  | 0.134 | -.1015635 | .757675   |
|          | budget           | .1211237  | .1238868 | 0.98  | 0.328 | -.1216899 | .3639373  |
|          | 1.antiniqab      | -.2239869 | .2316955 | -0.97 | 0.334 | -.6781018 | .230128   |
|          | rehabilitate     | -.0890644 | .037521  | -2.37 | 0.018 | -.1626042 | -.0155247 |
|          | services         | .050218   | .0420671 | 1.19  | 0.233 | -.032232  | .1326681  |
|          | corruption       | .2297909  | .1510104 | 1.52  | 0.128 | -.0661842 | .5257659  |
|          | Trudeau          | -.3676141 | .0544167 | -6.76 | 0.000 | -.4742689 | -.2609594 |
|          | Harper           | -.13302   | .0492459 | -2.70 | 0.007 | -.2295401 | -.0364999 |
|          | mulcair          | .4706439  | .0516814 | 9.11  | 0.000 | .3693502  | .5719375  |
|          | _cons            | -.4344271 | .6894525 | -0.63 | 0.529 | -1.785729 | .916875   |

```

65 . mlogit BCvote i.female i.younger i.lowinc i.missingincome i.visible i.catholic i.
> noreligion i.working i.union i.bigcity i.suburb antiredistribute i.IDliberal i.ID
> conservative i.IDndp sociotropic budget i.antiniqab rehabilitate services corrupt
> ion Trudeau Harper mulcair if Province==59 [iweight=regionWT], baseoutcome(2) rob
> ust

```

```

Iteration 0:  log pseudolikelihood = -1006.0415
Iteration 1:  log pseudolikelihood = -545.92658
Iteration 2:  log pseudolikelihood = -523.57734
Iteration 3:  log pseudolikelihood = -518.54439
Iteration 4:  log pseudolikelihood = -518.52974
Iteration 5:  log pseudolikelihood = -518.52971

```

```

Multinomial logistic regression              Number of obs   =           983
                                             Wald chi2(48)   =          335.17
                                             Prob > chi2     =           0.0000

```

Log pseudolikelihood = -518.52971

Pseudo R2

= 0.4846

| BCvote           | Coef.          | Robust<br>Std. Err. | z     | P> z  | [95% Conf. Interval] |           |
|------------------|----------------|---------------------|-------|-------|----------------------|-----------|
| <b>1</b>         |                |                     |       |       |                      |           |
| 1.female         | -.0513442      | .2798779            | -0.18 | 0.854 | -.5998948            | .4972063  |
| 1.younger        | .20135         | .4920896            | 0.41  | 0.682 | -.763128             | 1.165828  |
| 1.lowinc         | .273781        | .2914204            | 0.94  | 0.347 | -.2973924            | .8449544  |
| 1.missingincome  | .1990166       | .4598794            | 0.43  | 0.665 | -.7023305            | 1.100364  |
| 1.visible        | .561036        | .3503311            | 1.60  | 0.109 | -.1256003            | 1.247672  |
| 1.catholic       | .4996923       | .4625437            | 1.08  | 0.280 | -.4068768            | 1.406261  |
| 1.noreligion     | .4102766       | .3329164            | 1.23  | 0.218 | -.2422276            | 1.062781  |
| 1.working        | -.0705732      | .2981819            | -0.24 | 0.813 | -.654999             | .5138527  |
| 1.union          | .3883466       | .3315831            | 1.17  | 0.242 | -.2615444            | 1.038238  |
| 1.bigcity        | .4117042       | .3634885            | 1.13  | 0.257 | -.3007203            | 1.124129  |
| 1.suburb         | .2604233       | .3468968            | 0.75  | 0.453 | -.419482             | .9403286  |
| antiredistribute | -.0916836      | .0556065            | -1.65 | 0.099 | -.2006703            | .017303   |
| 1.IDliberal      | .6242814       | .8219989            | 0.76  | 0.448 | -.9868068            | 2.23537   |
| 1.IDconservative | -.5691203      | .4479529            | -1.27 | 0.204 | -1.447092            | .3088512  |
| 1.IDndp          | 1.937188       | 1.170344            | 1.66  | 0.098 | -.3566444            | 4.23102   |
| sociotropic      | .0230689       | .2454007            | 0.09  | 0.925 | -.4579076            | .5040455  |
| budget           | -.4623037      | .1946324            | -2.38 | 0.018 | -.8437762            | -.0808311 |
| 1.antiniqab      | -.2963409      | .3159117            | -0.94 | 0.348 | -.9155164            | .3228346  |
| rehabilitate     | .0074296       | .0635989            | 0.12  | 0.907 | -.1172219            | .1320811  |
| services         | .1229798       | .0602764            | 2.04  | 0.041 | .0048402             | .2411194  |
| corruption       | -.1828821      | .245696             | -0.74 | 0.457 | -.6644375            | .2986732  |
| Trudeau          | .274361        | .0599184            | 4.58  | 0.000 | .156923              | .3917989  |
| Harper           | -.4177875      | .0693244            | -6.03 | 0.000 | -.5536608            | -.2819142 |
| mulcair          | .0483855       | .0765858            | 0.63  | 0.528 | -.1017199            | .1984908  |
| _cons            | .9381366       | .8419772            | 1.11  | 0.265 | -.7121084            | 2.588382  |
| <b>2</b>         | (base outcome) |                     |       |       |                      |           |
| <b>3</b>         |                |                     |       |       |                      |           |
| 1.female         | -.0927113      | .3125506            | -0.30 | 0.767 | -.7052992            | .5198767  |
| 1.younger        | .3264759       | .5796494            | 0.56  | 0.573 | -.8096161            | 1.462568  |
| 1.lowinc         | .4572608       | .3286868            | 1.39  | 0.164 | -.1869534            | 1.101475  |
| 1.missingincome  | .2229644       | .5213429            | 0.43  | 0.669 | -.7988489            | 1.244778  |
| 1.visible        | .4668569       | .4021951            | 1.16  | 0.246 | -.321431             | 1.255145  |
| 1.catholic       | -.0906726      | .4796437            | -0.19 | 0.850 | -1.030757            | .8494118  |
| 1.noreligion     | .2301042       | .4014535            | 0.57  | 0.567 | -.5567302            | 1.016939  |
| 1.working        | .2111035       | .3401747            | 0.62  | 0.535 | -.4556268            | .8778337  |
| 1.union          | .6975383       | .3519019            | 1.98  | 0.047 | .0078233             | 1.387253  |
| 1.bigcity        | -.1870433      | .4045613            | -0.46 | 0.644 | -.9799689            | .6058822  |
| 1.suburb         | -.1775663      | .4008087            | -0.44 | 0.658 | -.9631368            | .6080042  |
| antiredistribute | -.1115244      | .0603688            | -1.85 | 0.065 | -.2298452            | .0067963  |
| 1.IDliberal      | -.46244        | .8533491            | -0.54 | 0.588 | -2.134973            | 1.210093  |

|                  |           |          |       |       |           |           |
|------------------|-----------|----------|-------|-------|-----------|-----------|
| 1.IDconservative | -.8676037 | .5689202 | -1.53 | 0.127 | -1.982667 | .2474594  |
| 1.IDndp          | 2.603677  | 1.142825 | 2.28  | 0.023 | .3637807  | 4.843574  |
| sociotropic      | .3511247  | .2668954 | 1.32  | 0.188 | -.1719807 | .87423    |
| budget           | -.3411799 | .203565  | -1.68 | 0.094 | -.74016   | .0578002  |
| 1.antiniqab      | -.5203279 | .3488042 | -1.49 | 0.136 | -1.203972 | .1633158  |
| rehabilitate     | -.0816348 | .0718234 | -1.14 | 0.256 | -.2224061 | .0591365  |
| services         | .1731978  | .0694414 | 2.49  | 0.013 | .0370952  | .3093005  |
| corruption       | .0469088  | .2339056 | 0.20  | 0.841 | -.4115378 | .5053553  |
| Trudeau          | -.0932532 | .0621743 | -1.50 | 0.134 | -.2151125 | .0286062  |
| Harper           | -.5508074 | .07361   | -7.48 | 0.000 | -.6950804 | -.4065345 |
| mulcair          | .5190294  | .0828071 | 6.27  | 0.000 | .3567305  | .6813282  |
| _cons            | .5037094  | .9042953 | 0.56  | 0.578 | -1.268677 | 2.276096  |

```
66 .
67 .
68 . margins, at(Trudeau=(0 (1) 10))
```

```
Predictive margins                                Number of obs    =      983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))

1._at        : Trudeau      =      0
2._at        : Trudeau      =      1
3._at        : Trudeau      =      2
4._at        : Trudeau      =      3
5._at        : Trudeau      =      4
6._at        : Trudeau      =      5
7._at        : Trudeau      =      6
8._at        : Trudeau      =      7
9._at        : Trudeau      =      8
10._at       : Trudeau      =      9
11._at       : Trudeau      =     10
```

---

Delta-method

|              |      | Margin   | Std. Err. | z     | P> z  | [95% Conf. Interval] |          |
|--------------|------|----------|-----------|-------|-------|----------------------|----------|
| _predict#_at |      |          |           |       |       |                      |          |
|              | 1 1  | .1135951 | .0261476  | 4.34  | 0.000 | .0623468             | .1648434 |
|              | 1 2  | .1433314 | .0268042  | 5.35  | 0.000 | .0907961             | .1958667 |
|              | 1 3  | .1781457 | .0263114  | 6.77  | 0.000 | .1265763             | .2297152 |
|              | 1 4  | .2180071 | .0245952  | 8.86  | 0.000 | .1698015             | .2662128 |
|              | 1 5  | .2626131 | .021826   | 12.03 | 0.000 | .2198348             | .3053913 |
|              | 1 6  | .3113783 | .0186134  | 16.73 | 0.000 | .2748966             | .34786   |
|              | 1 7  | .3634627 | .0163154  | 22.28 | 0.000 | .3314852             | .3954403 |
|              | 1 8  | .417834  | .0168349  | 24.82 | 0.000 | .3848383             | .4508297 |
|              | 1 9  | .4733488 | .0206956  | 22.87 | 0.000 | .4327862             | .5139115 |
|              | 1 10 | .5288338 | .026537   | 19.93 | 0.000 | .4768222             | .5808454 |
|              | 1 11 | .583155  | .032957   | 17.69 | 0.000 | .5185604             | .6477496 |
|              | 2 1  | .392239  | .0291137  | 13.47 | 0.000 | .3351773             | .4493008 |
|              | 2 2  | .3880291 | .0250831  | 15.47 | 0.000 | .3388672             | .4371911 |
|              | 2 3  | .3815608 | .0213179  | 17.90 | 0.000 | .3397786             | .423343  |
|              | 2 4  | .3727216 | .0179296  | 20.79 | 0.000 | .3375802             | .4078629 |
|              | 2 5  | .36148   | .015153   | 23.86 | 0.000 | .3317806             | .3911794 |
|              | 2 6  | .3478941 | .0134425  | 25.88 | 0.000 | .3215473             | .374241  |
|              | 2 7  | .3321121 | .0133822  | 24.82 | 0.000 | .3058834             | .3583408 |
|              | 2 8  | .3143651 | .0151856  | 20.70 | 0.000 | .2846019             | .3441282 |
|              | 2 9  | .294953  | .0184515  | 15.99 | 0.000 | .2587887             | .3311172 |
|              | 2 10 | .2742255 | .0225951  | 12.14 | 0.000 | .2299399             | .3185111 |
|              | 2 11 | .2525624 | .0271447  | 9.30  | 0.000 | .1993598             | .305765  |
|              | 3 1  | .4941659 | .0339037  | 14.58 | 0.000 | .4277159             | .5606158 |
|              | 3 2  | .4686395 | .0301665  | 15.54 | 0.000 | .4095143             | .5277646 |
|              | 3 3  | .4402935 | .0263613  | 16.70 | 0.000 | .3886263             | .4919607 |
|              | 3 4  | .4092713 | .0224687  | 18.22 | 0.000 | .3652334             | .4533091 |
|              | 3 5  | .3759069 | .0185949  | 20.22 | 0.000 | .3394615             | .4123523 |
|              | 3 6  | .3407276 | .0150896  | 22.58 | 0.000 | .3111524             | .3703027 |
|              | 3 7  | .3044252 | .0126588  | 24.05 | 0.000 | .2796145             | .3292359 |
|              | 3 8  | .2678009 | .0121289  | 22.08 | 0.000 | .2440288             | .2915731 |
|              | 3 9  | .2316982 | .0134998  | 17.16 | 0.000 | .2052392             | .2581573 |
|              | 3 10 | .1969407 | .0158004  | 12.46 | 0.000 | .1659724             | .2279089 |
|              | 3 11 | .1642826 | .0180766  | 9.09  | 0.000 | .1288532             | .199712  |

```
69 . marginsplot, recast(line) recastci(rarea)
```

Variables that uniquely identify margins: Trudeau \_outcome

```
70 . margins, at(Harper=(0 (1) 10))
```

```
Predictive margins                                Number of obs    =          983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
```

```

3._predict      : Pr(BCvote==3), predict(pr outcome(3))

1._at           : Harper           =           0
2._at           : Harper           =           1
3._at           : Harper           =           2
4._at           : Harper           =           3
5._at           : Harper           =           4
6._at           : Harper           =           5
7._at           : Harper           =           6
8._at           : Harper           =           7
9._at           : Harper           =           8
10._at          : Harper           =           9
11._at          : Harper           =          10
    
```

| _predict#_at | Delta-method |           |       |       |                      |
|--------------|--------------|-----------|-------|-------|----------------------|
|              | Margin       | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| 1 1          | .4833278     | .0353817  | 13.66 | 0.000 | .4139808 .5526747    |
| 1 2          | .4803522     | .0302657  | 15.87 | 0.000 | .4210325 .5396719    |
| 1 3          | .4722107     | .02578    | 18.32 | 0.000 | .4216829 .5227386    |
| 1 4          | .4586094     | .0222831  | 20.58 | 0.000 | .4149353 .5022835    |
| 1 5          | .4392282     | .0204375  | 21.49 | 0.000 | .3991715 .479285     |
| 1 6          | .4138349     | .0209648  | 19.74 | 0.000 | .3727447 .4549252    |
| 1 7          | .3825351     | .0240329  | 15.92 | 0.000 | .3354315 .4296386    |
| 1 8          | .3460248     | .0289807  | 11.94 | 0.000 | .2892237 .4028259    |
| 1 9          | .3056793     | .0347006  | 8.81  | 0.000 | .2376673 .3736913    |
| 1 10         | .2634089     | .0400308  | 6.58  | 0.000 | .1849499 .3418678    |
| 1 11         | .2213457     | .0439881  | 5.03  | 0.000 | .1351307 .3075608    |
| 2 1          | .1073957     | .0307715  | 3.49  | 0.000 | .0470848 .1677067    |
| 2 2          | .1412823     | .0310368  | 4.55  | 0.000 | .0804514 .2021133    |
| 2 3          | .1812343     | .0295654  | 6.13  | 0.000 | .1232873 .2391814    |
| 2 4          | .2273992     | .0267217  | 8.51  | 0.000 | .1750258 .2797727    |
| 2 5          | .2799178     | .023346   | 11.99 | 0.000 | .2341604 .3256752    |
| 2 6          | .3387175     | .0211074  | 16.05 | 0.000 | .2973477 .3800874    |
| 2 7          | .4031651     | .0223332  | 18.05 | 0.000 | .3593927 .4469374    |
| 2 8          | .4718135     | .0276338  | 17.07 | 0.000 | .4176522 .5259748    |
| 2 9          | .5424424     | .0351018  | 15.45 | 0.000 | .4736442 .6112406    |

|      |          |          |       |       |          |          |
|------|----------|----------|-------|-------|----------|----------|
| 2 10 | .6123744 | .0425442 | 14.39 | 0.000 | .5289894 | .6957595 |
| 2 11 | .6789219 | .0484437 | 14.01 | 0.000 | .5839741 | .7738698 |
| 3 1  | .4092765 | .0292567 | 13.99 | 0.000 | .3519344 | .4666186 |
| 3 2  | .3783655 | .0233062 | 16.23 | 0.000 | .3326862 | .4240447 |
| 3 3  | .3465549 | .018904  | 18.33 | 0.000 | .3095037 | .3836061 |
| 3 4  | .3139914 | .0165502 | 18.97 | 0.000 | .2815536 | .3464292 |
| 3 5  | .280854  | .0162687 | 17.26 | 0.000 | .248968  | .31274   |
| 3 6  | .2474475 | .0173404 | 14.27 | 0.000 | .2134609 | .2814342 |
| 3 7  | .2142999 | .0188523 | 11.37 | 0.000 | .1773499 | .2512498 |
| 3 8  | .1821617 | .0201843 | 9.02  | 0.000 | .1426011 | .2217223 |
| 3 9  | .1518783 | .0210299 | 7.22  | 0.000 | .1106604 | .1930963 |
| 3 10 | .1242167 | .0212938 | 5.83  | 0.000 | .0824815 | .1659518 |
| 3 11 | .0997324 | .0210189 | 4.74  | 0.000 | .0585361 | .1409286 |

```
71 . marginsplot, recast(line) recastci(rarea)
```

Variables that uniquely identify margins: Harper \_outcome

```
72 . margins, at(mulcair=(0 (1) 10))
```

```
Predictive margins                                Number of obs    =          983
Model VCE      : Robust

1._predict    : Pr(BCvote==1), predict(pr outcome(1))
2._predict    : Pr(BCvote==2), predict(pr outcome(2))
3._predict    : Pr(BCvote==3), predict(pr outcome(3))

1._at        : mulcair      =          0
2._at        : mulcair      =          1
3._at        : mulcair      =          2
4._at        : mulcair      =          3
5._at        : mulcair      =          4
6._at        : mulcair      =          5
7._at        : mulcair      =          6
8._at        : mulcair      =          7
9._at        : mulcair      =          8
10._at       : mulcair      =          9
11._at       : mulcair      =         10
```



|                    |    | Delta-method |           |       |       |                      |
|--------------------|----|--------------|-----------|-------|-------|----------------------|
| <u>predict#_at</u> |    | Margin       | Std. Err. | z     | P> z  | [95% Conf. Interval] |
| 1                  | 1  | .5620673     | .0367568  | 15.29 | 0.000 | .4900254 .6341092    |
| 1                  | 2  | .5520719     | .0309314  | 17.85 | 0.000 | .4914475 .6126962    |
| 1                  | 3  | .5368224     | .0258896  | 20.74 | 0.000 | .4860798 .587565     |
| 1                  | 4  | .5153266     | .0216772  | 23.77 | 0.000 | .4728401 .5578132    |
| 1                  | 5  | .4868389     | .0182746  | 26.64 | 0.000 | .4510214 .5226565    |
| 1                  | 6  | .4511019     | .0157839  | 28.58 | 0.000 | .4201661 .4820377    |
| 1                  | 7  | .4085738     | .0147028  | 27.79 | 0.000 | .3797567 .4373908    |
| 1                  | 8  | .3605523     | .0156374  | 23.06 | 0.000 | .3299035 .3912011    |
| 1                  | 9  | .3091206     | .0182946  | 16.90 | 0.000 | .2732638 .3449773    |
| 1                  | 10 | .2568881     | .0214872  | 11.96 | 0.000 | .214774 .2990022     |
| 1                  | 11 | .2065814     | .0240251  | 8.60  | 0.000 | .159493 .2536698     |
| 2                  | 1  | .3986985     | .0355297  | 11.22 | 0.000 | .3290616 .4683353    |
| 2                  | 2  | .3903958     | .0287994  | 13.56 | 0.000 | .33395 .4468415      |
| 2                  | 3  | .3807485     | .0225859  | 16.86 | 0.000 | .3364809 .4250161    |
| 2                  | 4  | .3694024     | .0171807  | 21.50 | 0.000 | .3357289 .4030759    |
| 2                  | 5  | .3559509     | .013187   | 26.99 | 0.000 | .3301048 .381797     |
| 2                  | 6  | .3399471     | .0116595  | 29.16 | 0.000 | .3170949 .3627992    |
| 2                  | 7  | .3209371     | .0131823  | 24.35 | 0.000 | .2951003 .346774     |
| 2                  | 8  | .2985417     | .0168865  | 17.68 | 0.000 | .2654447 .3316386    |
| 2                  | 9  | .2726032     | .0217215  | 12.55 | 0.000 | .2300298 .3151766    |
| 2                  | 10 | .2433654     | .0270115  | 9.01  | 0.000 | .1904239 .296307     |
| 2                  | 11 | .2115913     | .0321272  | 6.59  | 0.000 | .1486232 .2745595    |
| 3                  | 1  | .0392342     | .0103666  | 3.78  | 0.000 | .018916 .0595524     |
| 3                  | 2  | .0575324     | .0123301  | 4.67  | 0.000 | .0333659 .0816989    |
| 3                  | 3  | .0824291     | .0139296  | 5.92  | 0.000 | .0551276 .1097306    |
| 3                  | 4  | .115271      | .0148725  | 7.75  | 0.000 | .0861215 .1444205    |
| 3                  | 5  | .1572102     | .0149807  | 10.49 | 0.000 | .1278485 .1865718    |
| 3                  | 6  | .208951      | .0145081  | 14.40 | 0.000 | .1805157 .2373863    |
| 3                  | 7  | .2704891     | .0146504  | 18.46 | 0.000 | .2417748 .2992034    |
| 3                  | 8  | .340906      | .0173254  | 19.68 | 0.000 | .3069489 .3748631    |
| 3                  | 9  | .4182762     | .0230985  | 18.11 | 0.000 | .373004 .4635484     |
| 3                  | 10 | .4997465     | .0306458  | 16.31 | 0.000 | .4396819 .559811     |
| 3                  | 11 | .5818272     | .0382163  | 15.22 | 0.000 | .5069246 .6567298    |

```
73 . marginsplot, recast(line) recastci(rarea)
```

Variables that uniquely identify margins: mulcair \_outcome

```
74 .
end of do-file
```

```
75 . log close
```

name: <unnamed>  
log: /Users/elisabethgidengil/Documents/Blais MCRI/Region/BC MNL.smcl  
log type: smcl  
closed on: 1 Sep 2016, 17:33:50

---