Chilean Plebiscite

September 29, 2014

```
> library(EffectStars)
> data(plebiscite)
> plebiscite$Population<-scale(plebiscite$Population)
> plebiscite$Age<-scale(plebiscite$Age)
> plebiscite$Income<-scale(plebiscite$Income)
```

Effect Stars for the multinomial logit model for the plebiscite data.

```
> star.nominal(Vote ~ SantiagoCity + Population + Gender + Age + Education +
+ Income, data = plebiscite, cex.cat = 1, cex.labels = 1.2, lwd.circle = 1.5)
```

$odds

	(Intercept)	SantiagoCityyes	Population	Gendermale	Age
Abstention	0.2858084	0.8937496	1.0853593	0.9419188	0.8001172
No	1.2251590	0.8272647	1.2497740	1.6593994	0.9239648
Undecided	1.2831154	1.4403700	0.9128111	0.7185662	1.1694036
Yes	2.2257013	0.9390000	0.8076331	0.8903665	1.1567155

	Educationhigh	Income
Abstention	1.4944138	0.9382879
No	1.2635609	1.0386660
Undecided	0.7673775	0.8203414
Yes	0.6901189	1.2508157

$coefficients

	(Intercept)	SantiagoCityyes	Population	Gendermale	Age
Abstention	-1.2524337	-0.11232963	0.08191105	-0.05983621	-0.22299709
No	0.2030706	-0.18963053	0.22296275	0.50645575	-0.07908132
Undecided	0.2492910	0.36490000	-0.09122633	-0.33049743	0.15649386
Yes	0.8000721	-0.06293983	-0.21364747	-0.11612212	0.14558455

	Educationhigh	Income
Abstention	0.4017340	-0.06369844
No	0.2339338	0.03793721
Undecided	-0.2647765	-0.19803464
Yes	-0.3708914	0.22379587

$se

	(Intercept)	SantiagoCityyes	Population	Gendermale	Age
Abstention	0.13833640	0.16898857	0.08377876	0.11920914	0.06957380
No	0.08218670	0.09982376	0.05038966	0.07108402	0.03968102
Undecided	0.08860475	0.12215554	0.05983268	0.08116448	0.04326369

```
Yes          0.07859653      0.10932107 0.05187071 0.07213872 0.03894013
          Educationhigh     Income
Abstention    0.14543581 0.06914881
No            0.08552035 0.03950144
Undecided     0.09269188 0.05516861
Yes           0.08399087 0.03961437


$pvalues
          (Intercept) SantiagoCityyes    Population    Gendermale          Age
Abstention 0.000000000     0.506231320 3.282194e-01 6.157076e-01 0.0013497436
No         0.013479405     0.057478639 9.654425e-06 1.042721e-12 0.0462696110
Undecided  0.004900275     0.002815684 1.273363e-01 4.662187e-05 0.0002977957
Yes        0.000000000     0.564795143 3.807744e-05 1.074621e-01 0.0001849911
          Educationhigh       Income
Abstention 5.739973e-03 3.569570e-01
No         6.230124e-03 3.368537e-01
Undecided  4.283094e-03 3.311534e-04
Yes        1.006121e-05 1.610455e-08


$p_rel
    SantiagoCityyes    Population    Gendermale          Age Educationhigh
[1,]     0.009177824 1.531455e-08 3.030909e-14 5.220075e-07  6.368859e-08
          Income
[1,] 5.812134e-09


$xlim
[1]  5.786823 31.604959


$ylim
[1]  5.541996 31.093048
```
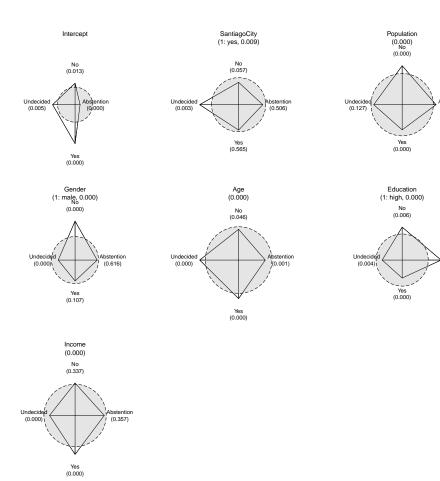
Intercept

No
(0.013)

Undecided   Abstention
(0.005)   (0.000)

Yes
(0.000)

SantiagoCity
(1: yes, 0.009)

No
(0.057)

Undecided   Abstention
(0.003)   (0.506)

Yes
(0.565)

Population
(0.000)
No
(0.000)

Undecided   Abstention
(0.127)   (0.328)

Yes
(0.000)

Gender
(1: male, 0.000)
No
(0.000)

Undecided   Abstention
(0.000)   (0.616)

Yes
(0.107)

Age
(0.000)

No
(0.046)

Undecided   Abstention
(0.000)   (0.001)

Yes
(0.000)

Education
(1: high, 0.000)
No
(0.006)

Undecided   Abstention
(0.004)   (0.006)

Yes
(0.000)

Income
(0.000)
No
(0.337)

Undecided   Abstention
(0.000)   (0.357)

Yes
(0.000)

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