Chilean Plebiscite

March 5, 2012

```
> library(EffectStars)
```

- > data(plebiscite)
- > plebiscite\$Population<-scale(plebiscite\$Population)
- > plebiscite\$Age<-scale(plebiscite\$Age)</pre>
- > 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)	${\tt SantiagoCityyes}$	Population	${\tt Gendermale}$	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
	Educationhig	gh 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)	${\tt SantiagoCityyes}$	Population	${\tt Gendermale}$	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

AbstentionEducationhighIncomeAbstention0.145435810.06914881No0.085520350.03950144Undecided0.092691880.05516861Yes0.083990870.03961437

\$pvalues

 Abstention
 O.000000000
 0.253115660
 1.641097e-01
 3.078538e-01
 6.748718e-04

 No
 0.006739702
 0.028739320
 4.827212e-06
 5.213607e-13
 2.313481e-02

 Undecided
 0.002450137
 0.001407842
 6.366813e-02
 2.331093e-05
 1.488978e-04

 Yes
 0.000000000
 0.282397572
 1.903872e-05
 5.373105e-02
 9.249557e-05

Educationhigh Income
Abstention 2.869986e-03 1.784785e-01
No 3.115062e-03 1.684268e-01
Undecided 2.141547e-03 1.655767e-04
Yes 5.030603e-06 8.052275e-09

\$p_rel

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

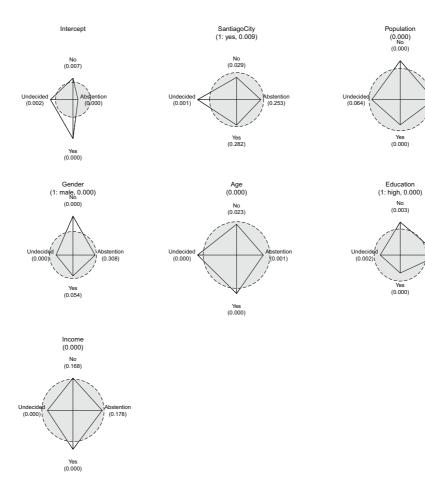
[1,] 5.812134e-09

\$xlim

[1] 5.786823 31.604959

\$ylim

[1] 5.541996 31.093048



Abstention (0.003)