British Election Panel Study

November 22, 2012

```
> library(EffectStars)
> data(BEPS)
> BEPS$Europe<-scale(BEPS$Europe)
> BEPS$Age<-scale(BEPS$Age)
```

Effect Stars for the multinomial logit model for the BEPS data. The variable leader is category-specific, so it has to be transformed first.

```
> BEPS$Leader_Labour<-BEPS$Leader_Labour-BEPS$Leader_Cons
> BEPS$Leader<-BEPS$Leader_Labour
> BEPS$Leader_Liberals<-BEPS$Leader_Liberals-BEPS$Leader_Cons

> star.nominal(Vote ~ Age + Household + National_Economy + Household + Leader +
+ Europe + Political_Knowledge + Gender, data = BEPS,
+ xij = list(Leader~Leader_Labour+Leader_Liberals), catstar = F
+ , cex.cat = 1, cex.labels = 1.2, lwd.circle = 1.5, col.circle = "blue")
```

$odds

	(Intercept)	Age	Household	National_Economy	Europe
Conservative	2.0619817	1.1967124	0.9391499	0.7662372	1.6213210
Labour	0.4989523	0.8770345	1.1178084	1.3832865	0.7545727
Liberal Democrat	0.9719774	0.9527820	0.9525718	0.9434626	0.8173911

	Political_Knowledge	Gendermale
Conservative	1.2581011	0.915207
Labour	0.7545625	1.040712
Liberal Democrat	1.0533901	1.049905

$coefficients

	(Intercept)	Age	Household	National_Economy
Conservative	0.72366750	0.17957811	-0.06278018	-0.26626356
Labour	-0.69524474	-0.13120898	0.11136999	0.32446217
Liberal Democrat	-0.02842276	-0.04836913	-0.04858981	-0.05819861

	Europe	Political_Knowledge	Gendermale
Conservative	0.4832413	0.22960355	-0.08860497
Labour	-0.2816037	-0.28161715	0.03990555
Liberal Democrat	-0.2016376	0.05201361	0.04869941

$se

	(Intercept)	Age	Household	National_Economy	Europe
Conservative	0.2246614	0.04830192	0.05480146	0.05978239	0.05371571

```
Labour             0.2121346 0.04252510 0.04860122         0.05418439 0.04586360
Liberal Democrat   0.2176356 0.04600028 0.05197951         0.05646610 0.04888314
                 Political_Knowledge Gendermale
Conservative              0.04631649 0.09711340
Labour                    0.04019716 0.08526619
Liberal Democrat          0.04389986 0.09191268

$pvalues
                  (Intercept)          Age  Household National_Economy
Conservative     0.001276782 0.0002009452 0.25196352     8.433257e-06
Labour           0.001047769 0.0020324588 0.02193417     2.122921e-09
Liberal Democrat 0.896093363 0.2930306702 0.34989771     3.026899e-01
                        Europe Political_Knowledge Gendermale
Conservative     0.000000e+00        7.148899e-07  0.3615652
Labour           8.250871e-10        2.454037e-12  0.6397764
Liberal Democrat 3.709106e-05        2.360871e-01  0.5962199

$catspec
          [,1]
[1,] 0.7055805

$catspecse
           [,1]
[1,] 0.03926252

$p_rel
     Leader          Age  Household National_Economy Europe Political_Knowledge
[1,]      0 0.0003200035 0.07165663     1.804596e-09      0          1.44873e-12
     Gendermale
[1,]  0.6590674

$xlim
[1]  5.361152 29.280140

$ylim
[1]  5.134334 28.805884
```

Intercept

Labour
(0.001)

Conservative
(0.001)

Liberal Democrat
(0.896)

Age
(0.000)

Labour
(0.002)

Conservative
(0.000)

Liberal Democrat
(0.293)

Household
(0.072)

Labour
(0.022)

Conservative
(0.252)

Liberal Democrat
(0.350)

National_Economy
(0.000)

Labour
(0.000)

Conservative
(0.000)

Liberal Democrat
(0.303)

Europe
(0.000)

Labour
(0.000)

Conservative
(0.000)

Liberal Democrat
(0.000)

Political_Knowledge
(0.000)

Labour
(0.000)

Conservative
(0.000)

Liberal Democrat
(0.236)

Gender
(1: male, 0.659)

Labour
(0.640)

Conservative
(0.362)

Liberal Democrat
(0.596)