# British Election Panel Study

## September 29, 2014

- > 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\_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

 ${\tt Political\_Knowledge~Gendermale}$ 

 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

 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

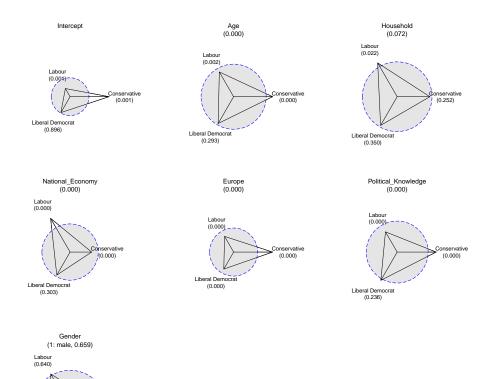
[1,] 0.6590674

# \$xlim

[1] 5.361152 29.280140

#### \$ylim

[1] 5.134334 28.805884



Liberal Democrat (0.596)