

Canadian Women's Labour-Force Participation

March 5, 2012

```
> library(EffectStars)
> data(womenlabour)
> womenlabour$IncomeHusband<-scale(womenlabour$IncomeHusband)
```

Effect Stars for the multinomial logit model for womens labour force participation data.

```
> star.nominal(Participation ~ IncomeHusband + Children + Region, womenlabour,
+ cex.cat = 1, cex.labels = 1.2, lwd.circle = 1.5)
```

\$odds

	(Intercept)	IncomeHusband	Childrenpresent	RegionBC	RegionOntario
fulltime	2.759300	0.6098557	0.1576659	0.5123362	0.9806418
not.work	1.442747	1.2564096	2.3409246	0.8116001	0.8754316
parttime	0.251195	1.3050937	2.7094097	2.4049322	1.1648430

	RegionPrairie	RegionQuebec
fulltime	1.1280213	0.8428538
not.work	0.7064134	1.1511688
parttime	1.2549423	1.0306441

\$coefficients

	(Intercept)	IncomeHusband	Childrenpresent	RegionBC	RegionOntario
fulltime	1.0149770	-0.4945329	-1.8472768	-0.6687742	-0.01954801
not.work	0.3665486	0.2282581	0.8505460	-0.2087475	-0.13303830
parttime	-1.3815256	0.2662748	0.9967308	0.8775217	0.15258631

	RegionPrairie	RegionQuebec
fulltime	0.1204650	-0.17096176
not.work	-0.3475546	0.14077778
parttime	0.2270896	0.03018398

\$se

	(Intercept)	IncomeHusband	Childrenpresent	RegionBC	RegionOntario
fulltime	0.4304946	0.14220824	0.2708428	0.5285929	0.4280141
not.work	0.3440444	0.09921733	0.2312182	0.3889186	0.3147358
parttime	0.4824765	0.12719565	0.3214714	0.4971351	0.4280064

	RegionPrairie	RegionQuebec
fulltime	0.5005041	0.4568223
not.work	0.3765455	0.3404071
parttime	0.4969243	0.4739772

```

$Pvalues
      (Intercept) IncomeHusband Childrenpresent   RegionBC RegionOntario
fulltime 0.009194286 0.0002530315 4.536926e-12 0.10290036 0.4817861
not.work 0.143345029 0.0107074928 1.172855e-04 0.29572418 0.3362577
parttime 0.002095573 0.0181555120 9.658837e-04 0.03876866 0.3607313
      RegionPrairie RegionQuebec
fulltime 0.4048987 0.3541124
not.work 0.1780014 0.3395993
parttime 0.3238390 0.4746116

$p_rel
      IncomeHusband Childrenpresent   RegionBC RegionOntario RegionPrairie
[1,] 0.0006604304 6.883383e-15 0.1933041 0.8904373 0.6450241
      RegionQuebec
[1,] 0.8896876

$xlim
[1] 7.17418 39.18206

$ylim
[1] 6.870657 38.547418

```

