

# Canadian Women's Labour-Force Participation

September 29, 2014

```
> 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 0.018388572  0.000506063  9.073853e-12 0.20580072  0.9635721
not.work 0.286690058  0.021414986  2.345709e-04 0.59144836  0.6725154
parttime 0.004191146  0.036311024  1.931767e-03 0.07753732  0.7214626
      RegionPrairie RegionQuebec
fulltime  0.8097974  0.7082248
not.work  0.3560028  0.6791985
parttime  0.6476780  0.9492232

```

```

$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

```

