# 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	${\tt Childrenpresent}$	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	
	RegionPrairi	e RegionQuebec				
fulltime	1.128021	3 0.8428538	3			
not.work	0.706413	4 1.1511688	3			
parttime	1.254942	3 1.0306441	L			

#### \$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
	RegionPrairi	e RegionQuebec			
fulltime	0.120465	0 -0.17096176	3		
not.work	-0.347554	6 0.14077778	3		
parttime	0.227089	6 0.03018398	3		

## \$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
	RegionPrairi	e RegionQuebec			
fulltime	0.500504	1 0.4568223	3		
not.work	0.376545	5 0.3404071	L		
parttime	0.496924	3 0.4739772	2		

#### \$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

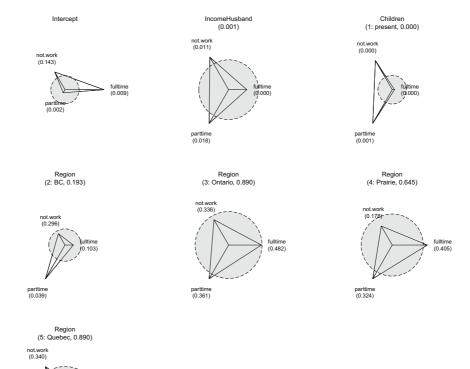
[1,] 0.8896876

## \$xlim

[1] 7.17418 39.18206

## \$ylim

[1] 6.870657 38.547418



parttime (0.475)