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	${\tt Childrenpresent}$	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
	RegionPrairie	e RegionQuebec	2		
fulltime	1.1280213	0.8428538	3		
not.work	0.7064134	1.1511688	3		
parttime	1.2549423	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
${\tt not.work}$	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
 0.018388572
 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

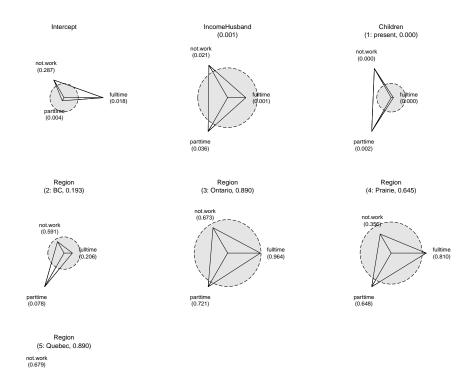
[1,] 0.8896876

\$xlim

[1] 7.17418 39.18206

\$ylim

[1] 6.870657 38.547418



parttime (0.949)