

CO-AUTHORSHIP

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AHRD Co-AUTHORSHIP SNA ANALYSIS #1.BASE model

```
summary(m1)
```

##	Length	Class	Mode
## coef	2	-none-	numeric
## sample	60000	mcmc	numeric
## sample.obs	0	-none-	NULL
## iterations	0	-none-	NULL
## MCMCtheta	2	-none-	numeric
## loglikelihood	1	-none-	numeric
## gradient	2	-none-	numeric
## hessian	4	-none-	numeric
## covar	4	-none-	numeric
## failure	1	-none-	logical
## mc.se	2	-none-	numeric
## network	5	network	list
## newnetwork	5	network	list
## coef.init	2	-none-	numeric
## initialfit	11	ergm	list
## coef.hist	4	-none-	numeric
## stats.hist	2	-none-	numeric
## etamap	6	-none-	list
## formula	3	formula	call
## target.stats	2	-none-	numeric
## constrained	1	conlist	list
## constraints	2	formula	call
## control	66	control.ergm	list
## reference	2	formula	call
## estimate	1	-none-	character
## offset	2	-none-	logical
## drop	2	-none-	numeric
## estimable	2	-none-	logical
## null.lik	1	logLik	numeric
## mle.lik	1	logLik	numeric

===== Summary of model fit =====

Formula: net ~ edges + mutual

Iterations: 20

Monte Carlo MLE Results: Estimate Std. Error MCMC % p-value

edges -6.2779 0.0395 0 <1e-04 **mutual 4.3053 0.1801 0 <1e-04** — Signif. codes: 0 ‘**0.001**’ 0.01 ‘**0.05**’ 0.1 ‘**1**’

Null Deviance: 486667 on 351056 degrees of freedom

Residual Deviance: 10414 on 351054 degrees of freedom

AIC: 10418 BIC: 10440 (Smaller is better.)