A Few Examples

Models of network processes.

	Model 1			Model 2			Model 3			Model 4		
	$\hat{\beta}$	SE	t	$\hat{\beta}$	SE	t	$\hat{\beta}$	SE	t	$\hat{\beta}$	SE	t
Rate Parameters												
Period 1	14.528	1.015	14.31***	15.138	1.060	14.29***	15.345	1.111	13.81***	14.957	1.037	14.43***
Period 2	14.482	.969	14.95***	14.656	1.007	14.56***	15.215	1.089	13.97***	15.330	1.122	13.66***
Period 3	11.484	.752	15.28***	10.997	.712	15.44***	11.356	.762	14.89***	12.029	.845	14.24***
Network Structural Processes												
Outdegree (Density)	−1.310	.036	36.49***	−1.781	.066	27.07***	−1.575	.041	38.61***	−1.322	.036	36.51***
Reciprocity	2.118	.064	33.35***	2.125	.061	34.95***	2.074	.058	35.95***	1.797	.073	24.55***
Reciprocity × Period	.012	.035	.34	−.112	.061	1.86†	−.106	.056	1.89†	−.123	.061	2.03*
Popularity				.073	.008	8.88***						
Popularity × Period				.011	.005	2.13*						
Transitive Triplets							.046	.004	11.50***			
Transitive Triplets × Period							.010	.004	2.48*			
Dense Triads										.228	.027	8.62***
Dense Triads × Period										.080	.033	2.45*
Controls												
Female Alter	.017	.044	.37	.033	.042	.78	.024	.045	.54	.017	.045	.37
Female Ego	−.003	.044	.06	.000	.045	.00	.008	.043	.19	.008	.047	.17
Female Similarity	.439	.031	14.21***	.467	.032	14.49***	.393	.031	12.53***	.403	.032	12.71***
Age Alter	.011	.005	2.32*	.007	.004	1.50	.008	.005	1.76†	.009	.005	1.98*
Age Ego	−.001	.005	.11	.000	.005	.02	−.004	.005	.80	−.003	.005	.60
Age Similarity	.220	.089	2.48*	.205	.085	2.41*	.188	.090	2.09*	.203	.092	2.20*
Repeat Alter	−.162	.149	1.09	−.205	.143	1.43	−.234	.148	1.58	−.224	.151	1.48
Repeat Ego	.082	.147	.56	.053	.150	.35	−.006	.151	.04	.035	.155	.23
Repeat Similarity	−.193	.127	1.52	−.179	.125	1.43	−.197	.127	1.55	−.197	.129	1.52
Classroom Presence Alter	.527	.129	4.09***	.330	.126	2.63**	.467	.126	3.70***	.473	.129	3.66***
Classroom Presence Ego	−.300	.133	2.25*	−.269	.136	1.98*	−.370	.129	2.86**	−.358	.135	2.66**
Classroom Presence Similarity	.407	.136	2.99**	.342	.140	2.45*	.273	.136	2.00*	.338	.136	2.49*
Score Test for Period Interaction (χ^2)[a]		.105			5.456*			5.938*			6.207*	

[a] Score tests all have df = 1.

* $p < .05$.

** $p < .01$.

*** $p < .001$.