Adaptation of Galeotti-JET model to endogenous networks

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	Consensus	Correct Consensus	Incorrect Consensus	Breakdown
(Intercept)	1.03**	0.76**	−3.85***	−1.03**
	(0.39)	(0.26)	(0.90)	(0.39)
typeRF	0.40	−0.03	1.14	−0.40
	(0.64)	(0.70)	(1.12)	(0.64)
typeRGG	0.53	0.23	0.29	−0.53
	(0.64)	(0.48)	(1.04)	(0.64)
typeSB	−0.54	−0.45	0.71	0.54
	(0.68)	(0.63)	(1.28)	(0.68)
AIC	640.52	734.78	190.94	640.52
BIC	657.95	752.21	208.36	657.95
Log Likelihood	−316.26	−363.39	−91.47	−316.26
Deviance	632.52	726.78	182.94	632.52
Num. obs.	576	576	576	576

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 1: Logistic regression of network size 10, indicator function of width = 0.2

	Consensus	Correct Consensus	Incorrect Consensus	Breakdown
(Intercept)	0.48	0.34	−4.96***	−0.48
	(0.29)	(0.38)	(0.89)	(0.29)
typeRF	0.65	0.33	2.65**	−0.65
	(0.60)	(0.62)	(0.98)	(0.60)
typeRGG	0.31	0.45	−16.60***	−0.31
	(0.45)	(0.52)	(1.02)	(0.45)
typeSB	−1.05**	−0.91*	−16.60***	1.05**
	(0.33)	(0.42)	(1.02)	(0.33)
AIC	726.48	755.52	107.25	726.48
BIC	743.91	772.94	124.67	743.91
Log Likelihood	−359.24	−373.76	−49.62	−359.24
Deviance	718.48	747.52	99.25	718.48
Num. obs.	576	576	576	576

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 2: Logistic regression of network size 40, indicator function of width = 0.2

	Consensus	Correct Consensus	Incorrect Consensus	Breakdown
(Intercept)	−0.03	−0.11	−3.85***	0.03
	(0.29)	(0.23)	(0.90)	(0.29)
typeRF	0.54	0.36	1.14	−0.54
	(0.52)	(0.60)	(1.12)	(0.52)
typeRGG	0.66	0.62	0.29	−0.66
	(0.56)	(0.55)	(1.04)	(0.56)
typeSB	−0.08	−0.17	0.71	0.08
	(0.67)	(0.68)	(1.28)	(0.67)
AIC	783.28	791.92	190.94	783.28
BIC	800.70	809.35	208.36	800.70
Log Likelihood	−387.64	−391.96	−91.47	−387.64
Deviance	775.28	783.92	182.94	775.28
Num. obs.	576	576	576	576

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 3: Logistic regression of network size 10, indicator function of width = 0.15

	Consensus	Correct Consensus	Incorrect Consensus	Breakdown
(Intercept)	−0.48*	−0.48*	−23.57	0.48*
	(0.23)	(0.23)		(0.23)
typeRF	0.96	0.76	18.60***	−0.96
	(0.61)	(0.55)	(0.52)	(0.61)
typeRGG	0.48	0.48	−0.00	−0.48
	(0.42)	(0.42)	(0.26)	(0.42)
typeSB	−1.13**	−1.13**	−0.00	1.13**
	(0.40)	(0.40)	(0.26)	(0.40)
AIC	720.43	725.75	19.93	720.43
BIC	737.86	743.17	37.36	737.86
Log Likelihood	−356.22	−358.87	−5.97	−356.22
Deviance	712.43	717.75	11.93	712.43
Num. obs.	576	576	576	576

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 4: Logistic regression of network size 40, indicator function of width = 0.15

	Correctly follow leader	
	OLS (Bayesian predicts 1)	Logit
(Intercept)	0.27^{***}	-1.02^{**}
	(0.08)	(0.39)
typesizeRF_10	-0.24^{**}	-2.50^{***}
	(0.08)	(0.55)
typesizeRGG_10	-0.18^{*}	-1.34^{*}
	(0.08)	(0.53)
typesizeSB_10	-0.20^{*}	-1.63^{***}
	(0.08)	(0.47)
R^2	0.06	
Adj. R^2	0.06	
Num. obs.	1000	1000
AIC		506.39
BIC		526.03
Log Likelihood		−249.20
Deviance		498.39

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 5: Fraction of guesses imitate leader against DeGroot prediction

	Correctly follow leader	
	OLS (Bayesian predicts 1)	Logit
(Intercept)	0.10^{***}	-2.20^{***}
	(0.02)	(0.18)
typesizeRF_40	-0.06^{**}	-0.91^{*}
	(0.02)	(0.39)
typesizeRGG_40	0.03	0.31
	(0.02)	(0.19)
typesizeSB_40	0.04^{*}	0.41
	(0.02)	(0.21)
R^2	0.01	
Adj. R^2	0.01	
Num. obs.	2651	2651
AIC		1995.55
BIC		2019.08
Log Likelihood		−993.78
Deviance		1987.55

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 6: Fraction of guesses imitate leader against DeGroot prediction

	Always follow signal	
	OLS (Stubbornness predicts 1)	Logit
(Intercept)	0.24^{***}	-1.16^{***}
	(0.05)	(0.30)
typesizeRF_10	−0.01	−0.03
	(0.06)	(0.34)
typesizeRGG_10	0.01	0.07
	(0.06)	(0.33)
typesizeSB_10	0.04	0.19
	(0.08)	(0.41)
R^2	0.00	
Adj. R^2	0.00	
Num. obs.	2896	2896
AIC		3252.18
BIC		3276.06
Log Likelihood		−1622.09
Deviance		3244.18

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 7: Fraction of guesses following signal against DeGroot prediction

	Always follow signal	
	OLS (Stubbornness predicts 1)	Logit
(Intercept)	0.25^{***}	-1.07^{***}
	(0.01)	(0.07)
typesizeRF_40	0.04	0.21
	(0.04)	(0.21)
typesizeRGG_40	−0.01	−0.03
	(0.02)	(0.09)
typesizeSB_40	0.04	0.22
	(0.02)	(0.12)
R^2	0.00	
Adj. R^2	0.00	
Num. obs.	12175	12175
AIC		14339.42
BIC		14369.05
Log Likelihood		−7165.71
Deviance		14331.42

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 8: Fraction of guesses following signal against DeGroot prediction

	Guess against majority in period 1,2	
	OLS (Bayesian, DeGroot predicts 0)	Logit
(Intercept)	0.09***	−2.38***
	(0.01)	(0.18)
typesizeRF_10	−0.02	−0.23
	(0.02)	(0.25)
typesizeRGG_10	−0.02	−0.22
	(0.02)	(0.29)
typesizeSB_10	0.03	0.33
	(0.02)	(0.24)
R^2	0.00	
Adj. R^2	0.00	
Num. obs.	1816	1816
AIC		1049.99
BIC		1072.00
Log Likelihood		−520.99
Deviance		1041.99

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 9: Fraction of guesses against Bayesian and DeGroot prediction

	Guess against majority in period 1,2	
	OLS (Bayesian, DeGroot predicts 0)	Logit
(Intercept)	0.10***	−2.18***
	(0.01)	(0.08)
typesizeRF_40	0.02	0.18
	(0.01)	(0.13)
typesizeRGG_40	0.02	0.18
	(0.01)	(0.13)
typesizeSB_40	0.03***	0.27**
	(0.01)	(0.09)
R^2	0.00	
Adj. R^2	0.00	
Num. obs.	7317	7317
AIC		5290.47
BIC		5318.06
Log Likelihood		−2641.23
Deviance		5282.47

$^{***}p < 0.001$; $^{**}p < 0.01$; $^{*}p < 0.05$

Table 10: Fraction of guesses against Bayesian and DeGroot prediction