Social Closure and Social Norms An Experimental Study of Coleman (1988)

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Motivation









Motivation

When can the stakeholders collectively force the shareholder to internalize the negative externality?

Coleman (1988): Social norm enforcement limits negative externality if the social structure is closed.

Motivation

use a social relationship to:

- coordinate enforcement efforts, share costs of enforcement efforts
- 2 encourage each others enforcement efforts
- 3 enforce each others enforcement efforts

20 rounds, same groups

in each round:

• 3 players: shareholder A, stakeholders B_1 and B_2 , each receives an endowment of 50 tokens

20 rounds, same groups

in each round:

- 3 players: shareholder A, stakeholders B_1 and B_2 , each receives an endowment of 50 tokens
- 3 stages: A takes away $d \in [0, 20]$; Bs chat for 2 minutes; each B_i chooses punishment $p_i \in [0, 15], i = 1, 2$

20 rounds, same groups

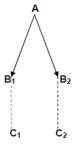
in each round:

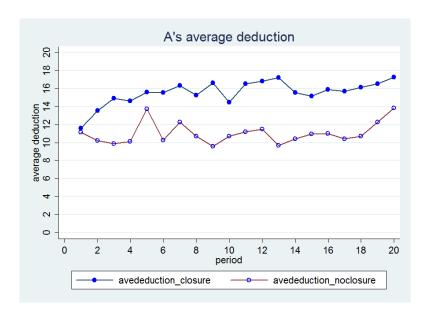
- 3 players: shareholder A, stakeholders B_1 and B_2 , each receives an endowment of 50 tokens
- 3 stages: A takes away $d \in [0, 20]$; Bs chat for 2 minutes; each B_i chooses punishment $p_i \in [0, 15], i = 1, 2$
- payoffs: $\pi_A = 50 + d (p_1 + p_2)$; $\pi_{B_1} = 50 d p_1$, $\pi_{B_2} = 50 d p_2$

closure



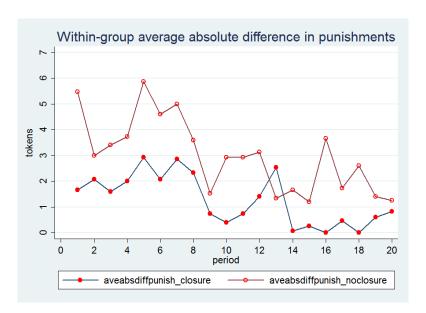
no closure

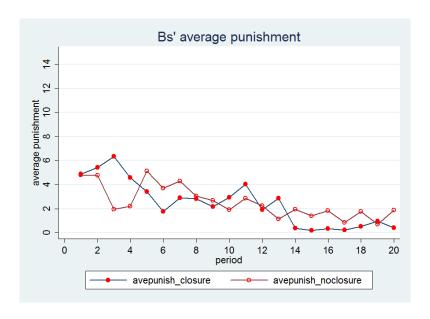




Chat

	closure	noclosure
coordinate	0.20	0.01
trust/morale/team building	0.01	0.00
strategy	0.16	0.07
A's character	0.02	0.01
A's circumstances	0.13	0.13
irrelevant	0.48	0.78

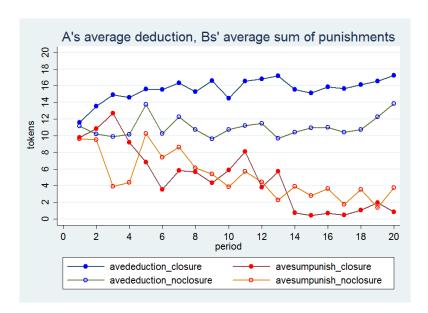


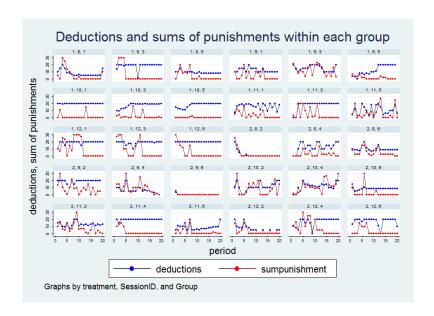


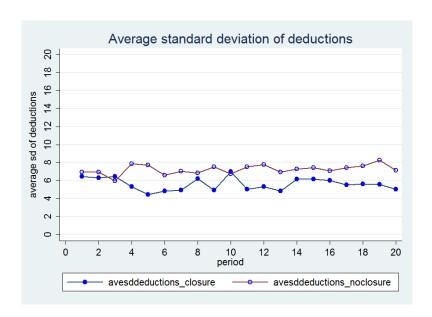
Conclusion

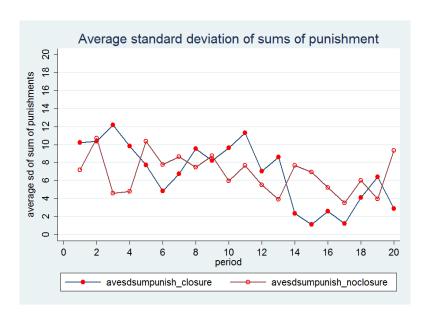
Summary

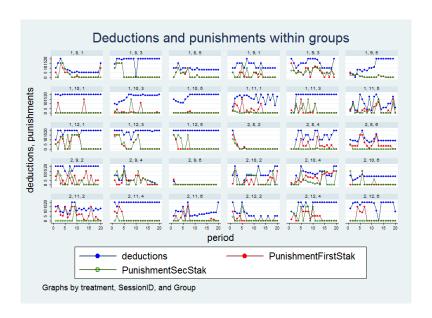
- shareholders' average deduction is higher in the closure treatment
- 2 stakeholders did not motivate each other to sustain punishments in the closure treatment
- stakeholders coordinated more effectively in the closure treatment
- 4 stakeholders' average punishment levels are low and decrease over time

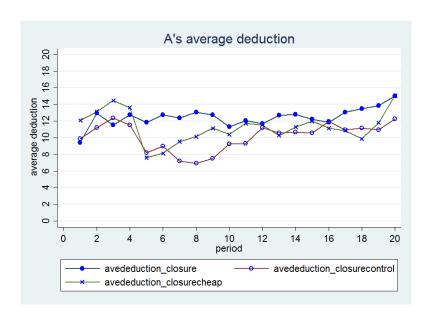




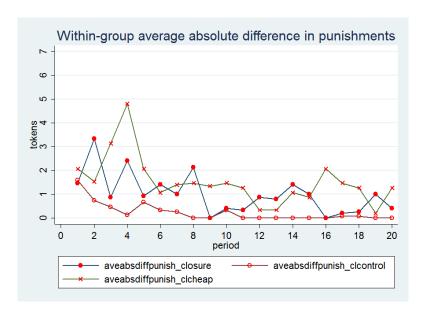


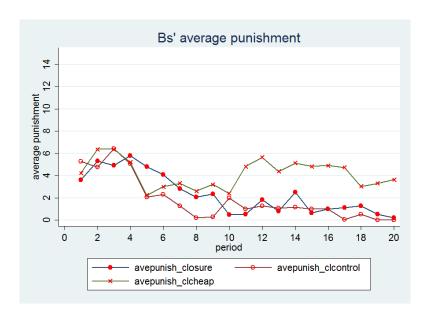


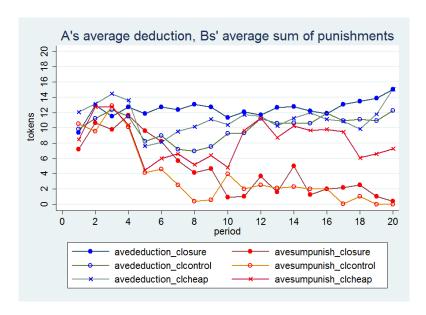


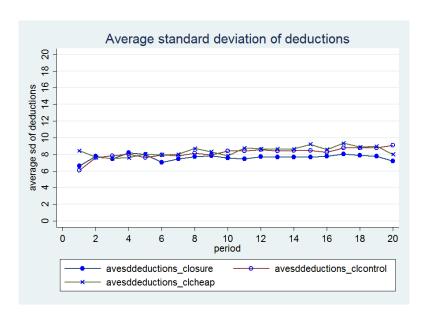


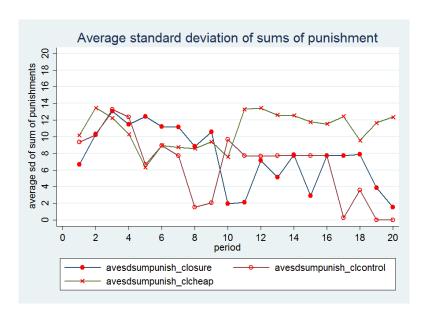
	closure	closurecontrol	closurecheap
coordinate	0.12	0.12	0.15
trust/morale/team building	0.01	0.01	0.01
strategy	0.13	0.21	0.18
A's character	0.04	0.03	0.03
A's circumstances	0.12	0.09	0.08
irrelevant	0.57	0.55	0.55

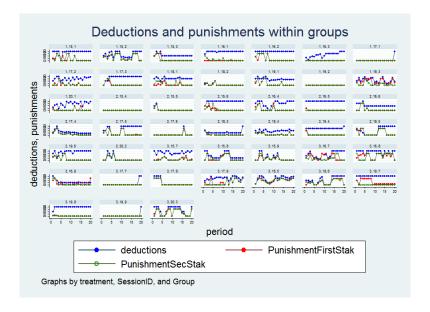


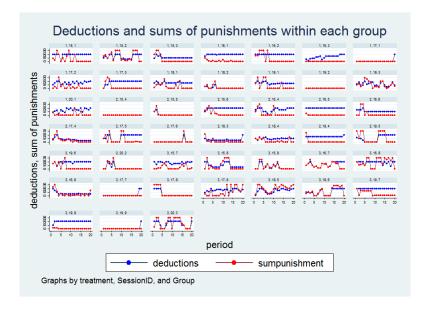


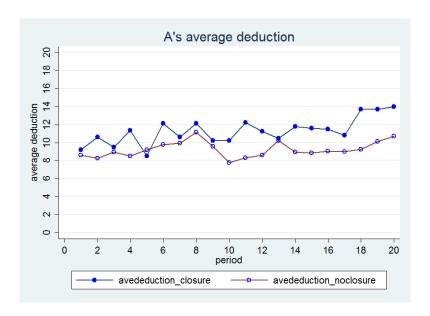




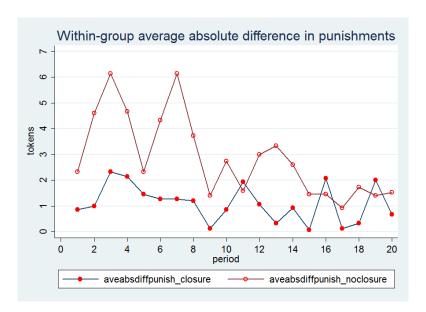








	closure	noclosure
coordinate	0.20	0.03
trust/morale/team building	0.02	0.01
strategy	0.20	0.10
A's character	0.02	0.02
A's circumstances	0.12	0.14
irrelevant	0.44	0.69



Robustness in A's information

