

經濟學原理一課堂實驗(七)：公共財捐獻 (Public Goods Contribution)

Principles of Economics I - Classroom Experiment (7): Public Goods Contribution

三人一組參與本次實驗，但是請記得共同討論後作決定，而不要都是一個人在做。實驗者會先給每組兩張紅色、兩張黑色，共四張撲克牌。之後實驗者會向每組收回兩張牌，放在「紅色集合」裡。您可以自行選擇要繳交哪兩張牌。收牌後，實驗者會統計「紅色集合」裡面總共有多少張紅色牌。每一回合的得分，取決於紅色牌的去向。每組所留下來的紅色牌每張可讓該組得一分，黑色牌不計分。「紅色集合」裡面紅色牌每張算兩分，但是由所有組一起平分「紅色集合」之總得分。故

$$\text{你的總報酬} = (1 \text{ 分} \times \text{留下張數}) + (2 \text{ 分} \times \text{紅色集合總張數} \div \text{總組數})$$

3 students form a group to participate in this experiment. Please discuss with your partner and make decisions together, instead of delegating all decisions to one person. Each group will be given four cards, two red (hearts/diamonds) and two black (clubs/spades). The experimenter will collect two cards from each group and put them in the “Red Pool.” Each group independently decides which of the two cards you would like to hand in. Then, the experimenter will count the total number of red cards in the “Red Pool.” Your earnings are determined by what you do with the red cards. For each red card that you keep you earn 1 point for your group, black card do not count toward your earnings. Red cards in the “Red Pool” each count as 2 points, but will be equally divided among all groups. In other words,

$$\begin{aligned} \text{Your earnings} &= (1 \text{ point} \times \text{number of red cards you kept}) \\ &+ (2 \text{ points} \times \text{number of red cards in “Red Pool”} \div \text{number of groups}) \end{aligned}$$

分數記錄：請在記錄表上填入每回合實驗結果，並計算該回合分數。您最後總分除以二，就是您的實驗成績，得分越高，成績越高。

Grades Calculation: Please record the results and your earnings for each round. Total earnings divided by 2 will be your grade for this experiment.

公共財捐獻實驗紀錄表 Record Sheet for “Public Goods Contribution”

Name	Major/Year	Student ID#
姓名：_____	系級：_____	學號：_____
姓名：_____	系級：_____	學號：_____
姓名：_____	系級：_____	學號：_____

回合數 Round	留下張數 # of Red Cards You Kept	紅色集合總張數 # of Reds Cards in “Red Pool”	集合分配得分 Earnings from “Red Pool”	本回合分數 Earnings in This Round
1				
2				
3				
4				

經濟學原理一課堂實驗(七之二)：最弱環節賽局 (Weak-Link Game)
Principles of Economics I - Classroom Experiment (7-2): Weak-Link Game

三人一組參與本次實驗，但是請記得共同討論後作決定，而不要都是一個人在做。實驗者會先給每組一張黑桃(X=4)、一張紅心(X=3)、一張方塊(X=2)、一張梅花(X=1)。之後實驗者會向每組收取一張牌，代表你們這組的努力程度 X。收牌後，實驗者會計算所有組的最低努力程度 m。每回合得分取決於所有組的最低努力程度 m，以及你們這組的努力程度 X：

$$\text{你的總報酬} = 60 \text{ 分} + 20 \text{ 分} \times \text{所有組的最低努力程度 } m - 10 \text{ 分} \times \text{你們這組的努力程度 } X$$

3 students form a group to participate in this experiment. Please discuss with your partner and make decisions together, instead of delegating all decisions to one person. Each group will be given one spades (X=4), one hearts (X=3), one diamonds (X=2) and one clubs (X=1). The experimenter will collect one card from each group to represent their effort level X. Then, the experimenter will calculate m, the minimum effort level of all groups. Your earnings are determined by your effect level X and the minimum effort of all m:

$$\text{Your earnings} = 60 \text{ points} + 20 \text{ point} \times \text{minimum effort of all } m - 10 \text{ points} \times \text{your effect level } X$$

你們的努力程度 Your X	所有組的最低努力程度 m (Smallest X of all groups)			
	4	3	2	1
4	100	80	60	40
3	-	90	70	50
2	-	-	80	60
1	-	-	-	70

分數記錄：請在記錄表上填入每回合實驗結果，並計算該回合分數。您最後總分除以二，就是您的實驗成績，得分越高，成績越高。

Grades Calculation: Please record the results and your earnings for each round. Total earnings divided by 2 will be your grade for this experiment.

最弱環節賽局實驗紀錄表 Record Sheet for “Weak-Link Game”

Name _____ Major/Year _____ Student ID# _____
 姓名：_____ 系級：_____ 學號：_____

姓名：_____ 系級：_____ 學號：_____

姓名：_____ 系級：_____ 學號：_____

回合數 Round	留下張數 # of Red Cards You Kept	紅色集合總張數 # of Reds Cards in “Red Pool”	集合分配得分 Earnings from “Red Pool”	本回合分數 Earnings in This Round
1				
2				
3				
4				