

UNSW_Group_Diversity_Experiment_2_July2024

Start of Block: General Instructions

Instructions **Welcome to Our Study** **Key Points Before You Begin:** **Time**
Dedication: Please ensure you can dedicate at least the next
[\\${e://Field/estimatedSurveyTime}](#) minutes to the study without interruptions. This is crucial
for the real-time interaction component of our research. **Reminder:** The estimated average
total payout for your participation is **[\\${e://Field/estimatedAverageTotalPayout}](#) AUD**. **No**
Backtracking: Once you move past a page, there's no going back. Read carefully before
advancing. **Real-Time Interaction:** This study involves live interaction with four other
anonymous participants. Be prepared for real-time engagement. *By continuing, you*
acknowledge the commitment and real-time interaction required. ***To continue, please click***
on the button below:

Q16 Timing
First Click (1)
Last Click (2)
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Page Break

Q15 Survey Format and Group Formation **Survey Format:** First, you will participate in a two-stage experimental economic game with the other participants. After the game, you will complete a post-experimental questionnaire at your own pace. **Group Formation:**

Matching Process: After reading the study instructions and completing a quick comprehension check, you will be matched with four other participants. This process usually takes less than a few minutes.

In Case of Unsuccessful Matching: If we can't match you successfully, you will have the choice to either *quit the experiment* and be redirected back to your panel provider, *try again to match*, or *come back later* and be redirected back to your panel provider. **To continue, please click on the button below:**

Q17 Timing

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End of Block: General Instructions

Start of Block: Study Instructions

Q32 Study Instructions - Page 1 of 2 **Instructions for each stage of the economic game** **Stage 1 - Voluntary Contributions:**

Decide how much to voluntarily transfer to the public account, ranging from 0 to $\{e://Field/endowment_own\}$.

All participants make this decision simultaneously and independently.

The total voluntary contribution is multiplied by $\{e://Field/multiplier\}$ and then evenly distributed among the group.

Your payoff: $[your\ initial\ endowment] - [your\ contribution] + ([total\ group\ contribution] \times \{e://Field/multiplier\}) / 5$

Stage 2 - Mandatory Contributions: Decide on two mandatory contribution rates for the public account, each between 0% and 100%. All participants make this decision simultaneously and independently.

Rate for "Poor": Applicable to Participants A, B, C.

Rate for "Rich": Applicable to Participants D, E (who have higher endowments).

The final two mandatory contribution rates for the group (i.e. one for the "poor", one for the "rich") are set at the median value of all rates chosen by the participants for each group ("poor" and "rich"). The median rates means the rates that fall in the middle of all chosen rates (i.e. when ordered from lowest to highest). These median rates are then applied to group members according to their classification ("poor" or "rich"). The total mandatory contribution is processed (summed and multiplied by $\{e://Field/multiplier\}$) similarly to Stage 1.

Your payoff calculation is the same as in Stage 1. **Stage 3 - Mandatory**

Contributions with Exit Option: Decide on two mandatory contribution rates for the public account, similar to Stage 2.

Rate for "Poor": Applicable to Participants A, B, C.

Rate for "Rich": Applicable to Participants D, E (who have higher endowments).

After all decisions, the median rates for "poor" and "rich" are calculated as per Stage 2. However, if a group member's initial endowment allows, they can choose to exit the game after seeing the rates but before they are implemented. Exiting costs

$\{e://Field/exit_cost\}$ units. After decisions to exit are made, mandatory contributions are collected from those group members who remain according to their classification ("poor" or "rich"). Your payoff in this stage will be calculated as follows:

to exit: [your initial endowment] - $\{e://Field/exit_cost\}$	If you choose
exit: $\{e://Field/endowment_own\}$ - [amount you transfer to the public account] + [sum of transfers to the public account] x $\{e://Field/multiplier\}$ / [count of remaining group members]	If you choose not to

To continue, please click on the button below:

Q33 Timing

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Page Break

Q34 Study Instructions - Page 2 of 2 Game Sequence and Time Limits Game

Sequence: You will participate in the three stages in a random order. Your group remains consistent throughout the experiment. Treat each stage independently; decisions in one stage should not influence decisions in the other. Your final pay-off will be randomly selected from one of the three stages of the economic game. *Therefore, your performance across all three stages is equally important.*

Time Limits and Automatic Progression: You will have a maximum of $\{e://Field/maxGetWaitTime\}$ seconds to make your decisions in each task of each stage. After $\{e://Field/maxGetWaitTime\}$ seconds, you will be automatically advanced to the next page of the study/economic game. A countdown timer at the bottom of each page will show the time remaining for each decision.

To continue, please click on the button below:

Q33 Timing

First Click (1)

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End of Block: Study Instructions

Start of Block: Comprehension Checks

Q25 Comprehension Check - Page 1 of 3

On the next page, you will see 2 quick comprehension check questions. Understanding these is crucial for the live interaction part of the study. You will have $\{e://Field/maxGetWaitTime\}$ seconds to answer each question. Unlike the actual experiment, you must answer correctly to proceed.

To continue, please click on the button below:

Q23 Timing

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Page Break



Q27 Comprehension Check - Page 2 of 3 Question 1: Identifying the Median Values

Consider the following list: 20%, 40%, 50%, 60%, and 80%. Please identify the median percentage value from the list provided. **Hint: The median is the value that falls in the middle when the rates are ordered from lowest to highest.**

☐ 20% (1)

☐ 40% (2)

☐ 50% (3)

☐ 60% (4)

☐ 80% (5)

Q29 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Page Break



Q31 Comprehension Check - Page 3 of 3 Question 2: Calculating the Mandatory Contribution Assuming a median rate of 50%, calculate your mandatory contribution from an initial endowment of 20 units. Enter the calculated amount below (must be a number): **Hint: Divide the median rate by 100, then multiply by your endowment.**

Q30 Timing
First Click (1)
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Click Count (4)

Page Break

Q32 Thank you!

Instructions and Comprehension Check Completed

Now proceeding to the group matching and live interactive game.

To continue, please click on the button below:

Q34 Timing

First Click (1)

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Page Submit (3)

Click Count (4)

End of Block: Comprehension Checks

Start of Block: MATCH_BLOCK

JS

Pre-match screen

Page Break



Match screen

Waiting for ? participant(s) to join.

match timer Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Page Break

Display This Question:
If timeOutLog Contains terminated

JS

terminate screen

Display This Question:
If timeOutLog Contains terminated

terminate timer Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

End of Block: MATCH_BLOCK

Start of Block: Introduction Page_fullKnowledge

Q49 Role Assignment and Endowment Allocation You have been assigned the role of **Participant $\{e://Field/participantRole\}$** . Remember, the roles are arbitrary and serve for identification purposes only.

In all of the **three stages**, you will receive **$\{e://Field/endowment_own\}$ units**.

The other participants will receive:

Role

Unit(s) Received

A

$\{e://Field/endowment_A\}$

B

$\{e://Field/endowment_B\}$

C

$\{e://Field/endowment_C\}$

D

$\{e://Field/endowment_D\}$

E

$\{e://Field/endowment_E\}$

Total

$\{e://Field/endowment_group\}$

Remember, the total for the group is always **$\{e://Field/endowment_group\}$ units**. Therefore,

you have an endowment that is $\{e://Field/status_own\}$, relative to other members of the group. **To continue, please click on the button below:**

Q50 Timing
First Click (1)
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Page Submit (3)
Click Count (4)

End of Block: Introduction Page_fullKnowledge

Start of Block: Voluntary Task Page



Q34 "Voluntary" Contribution Stage *Task Description*

Your task in this stage is to decide how much you want to transfer voluntarily to the "public account."

Please enter the number of units you want to voluntarily transfer to the public account in the box below. A maximum of 2 decimal places is allowed.

Your transfer to the public account (0 - $\{e://Field/endowment_own\}$):

Q35 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Voluntary Task Page

Start of Block: SEND_BLOCK



send

Page Break

Display This Question:

If timeOutLog Contains terminated

terminate screen

Display This Question:

If timeOutLog Contains terminated

terminate timer Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

End of Block: SEND_BLOCK

Start of Block: GET_BLOCK_GIST_w_median

JS

get

Waiting for ? participant(s).

get timer Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Page Break

Display This Question:

If timeOutLog Contains terminated

JS

terminate screen

Display This Question:

If timeOutLog Contains terminated

terminate timer Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

End of Block: GET_BLOCK_GIST_w_median

Start of Block: Voluntary Feedback Page_fullKnowledge

Q55 "Voluntary" Contribution Stage *Feedback on Outcome* Remember, you are Participant $\{e://Field/participantRole\}$. The participants in your group each transferred:

Account"	Role	Unit(s) Transferred to the "Public
		A
$\{e://Field/voluntary_A\}$		B
$\{e://Field/voluntary_B\}$		C
$\{e://Field/voluntary_C\}$		D
$\{e://Field/voluntary_D\}$		E
$\{e://Field/voluntary_E\}$		
$\{e://Field/voluntary_group\}$		Group Total
		Summary of Outcome &

Payoffs from this Stage: The sum of transfers by the group was $\{e://Field/voluntary_group\}$ units. This amount was multiplied by $\{e://Field/multiplier\}$, resulting in $\{e://Field/voluntary_group * e://Field/multiplier\}$ units.

This total amount was divided equally among the five participants in your group, with each participant receiving $\{e://Field/voluntary_group * e://Field/multiplier / 5\}$ units.

Your payoff in this stage is: $\{e://Field/voluntary_payoff\}$ units.

To continue, please click on the button below:

Q56 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Voluntary Feedback Page_fullKnowledge

Start of Block: Mandatory Task Page



Q57 "Mandatory" Contribution Stage *Task Description* Your task in this stage is to decide on two different mandatory contribution rates to the "public account." One rate will be applied to the "poor" group members (Participants A, B, and C), and the other rate for the "rich" group members (Participants D and E).

Each of the other four participants will also make a decision about their proposed mandatory contribution rates for the "poor" and "rich," individually and simultaneously.

After all five participants in your group have made their decisions, the two mandatory contribution rates of the median votes (i.e. the rate in the middle when the set of five rates are ordered from lowest to highest) will be applied to the relevant group members according to their classification ("poor" or "rich").

Please enter in the boxes below, your proposed mandatory contribution rates (must both be a number with a maximum of 2 decimal places) to the public account for the "poor" and "rich" group members, respectively.

Your proposed **mandatory contribution rate** to the public account (0% - 100%) **for the "poor" group members:**



Q62 Your proposed **mandatory contribution rate** to the public account (0% - 100%) **for the "rich" group members:**

Q58 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Mandatory Task Page

Start of Block: Mandatory Feedback Page_fullKnowledge

Q79 "Mandatory" Contribution Stage *Feedback on Outcome*

The group's median mandatory contribution rate for the **"poor"** participants (A, B, and C) is $\{e://Field/mandatory_poor_ratio_group\}$ percent.

The group's median mandatory contribution rate for the **"rich"** participants (D and E) is $\{e://Field/mandatory_rich_ratio_group\}$ percent. Remember, you are **Participant $\{e://Field/participantRole\}$** . *The participants in your group each transferred:*

Account"	Role	Unit(s) Transferred to the "Public
		A
$\{e://Field/mandatory_A\}$		B
$\{e://Field/mandatory_B\}$		C
$\{e://Field/mandatory_C\}$		D
$\{e://Field/mandatory_D\}$		E
$\{e://Field/mandatory_E\}$		Group Total
$\{e://Field/mandatory_group\}$		Summary of Outcome &

Payoffs from this Stage: The sum of transfers by the group was $\{e://Field/mandatory_group\}$ units. This amount was multiplied by $\{e://Field/multiplier\}$, resulting in $\{e://Field/mandatory_group * e://Field/multiplier\}$ units.

This total amount was divided equally among the five participants in your group, with each participant receiving $\{e://Field/mandatory_group * e://Field/multiplier / 5\}$ units.

Your payoff in this stage is: $\{e://Field/mandatory_payoff\}$ units. ***To continue, please click on the button below:***

Q80 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Mandatory Feedback Page_fullKnowledge



Q82 "Mandatory with Exit Option": Task 1 of 2 *Task Description* The first task of this stage is to decide on two different mandatory contribution rates to the "public account." One rate will be applied to the "poor" group members (Participants A, B, and C), and the other rate for the "rich" group members (Participants D and E).

Each of the other four participants will also make a decision about their proposed mandatory contribution rate for the "poor" and "rich" to the public account individually and simultaneously. After all five participants in your group have made their decisions, the two mandatory contribution rates of the median votes (i.e. the rate in the middle when the set of five rates are ordered from lowest to highest) will be determined and then displayed to you. In the final task of this stage, you will then be asked to decide where you want to exit the group before the mandatory contribution is implemented, if your initial endowment is large enough. Exiting incurs a cost of $\$ \{e://Field/exit_cost\}$ units. Please indicate in the boxes below your proposed mandatory contribution rates (must both be a number with a maximum of 2 decimal places) to the public account for the "poor" and "rich" group members, respectively. Your proposed **mandatory contribution rate** to the public account (0% - 100%) **for the "poor" group members:**



Q83 Your proposed **mandatory contribution rate** to the public account (0% - 100%) **for the "rich" group members:**

Q84 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)



Q85 "Mandatory with Exit Option": Task 2 of 2 *Task Description* The group's median mandatory contribution rate for "**poor**" the participants (A, B, and C) is $\{e://Field/exit_poor_ratio_group\}$ percent.

The group's median mandatory contribution rate for "**rich**" the participants (D and E) is $\{e://Field/exit_rich_ratio_group\}$ percent.

Remember, you are **Participant $\{e://Field/participantRole\}$** . *The participants in your group (if no one exits) will each transfer:*

	Role	Unit(s) To Be
Transferred, Assuming Participant Remains in the Group		
A		$\{e://Field/estimated_exit_A\}$
B		$\{e://Field/estimated_exit_B\}$
C		$\{e://Field/estimated_exit_C\}$
D		$\{e://Field/estimated_exit_D\}$
E		$\{e://Field/estimated_exit_E\}$
Group Total		$\{e://Field/estimated_exit_group\}$

Projected Outcome & Payoffs for this Stage (Assuming All Participants Remain in the Group):

The sum of transfers by the group would be $\{e://Field/estimated_exit_group\}$ units.

This amount would then be multiplied by $\{e://Field/multiplier\}$, resulting in $\{e://Field/estimated_exit_group * e://Field/multiplier\}$ units. This total amount would then be divided equally among the five remaining participants in your group, with each participant receiving **$\{e://Field/estimated_exit_group * e://Field/multiplier / 5\}$ units.**

Please indicate using the checkboxes below whether you want to contribute to the public account or choose to exit the group.

Remember, the cost for you to exit is **$\{e://Field/exit_cost\}$ units.**

Warning: The exit cost is greater than your endowment! Therefore, your only choice is to not exit the group.

☐ Yes, I want to exit the group (1)

☐ No, I do not want to exit the group (0)

Q87 Timing
 First Click (1)
 Last Click (2)
 Page Submit (3)
 Click Count (4)

End of Block: Exit Task 2 Page

Start of Block: Exit Feedback Page_fullKnowledge

Q88 "Mandatory with Exit Option" Contribution Stage *Feedback on Outcome*

The group's median mandatory contribution rate for the "**poor**" participants (A, B, and C) is $\{e://Field/exit_poor_ratio_group\}$ percent.

The group's median mandatory contribution rate for the "**rich**" participants (D and E) is $\{e://Field/exit_rich_ratio_group\}$ percent. Remember, you are **Participant** $\{e://Field/participantRole\}$.

The participants in your group each transferred:

Role	Exit or Stay Decision	Unit(s) Transferred to the "Public Account"
A		$\{e://Field/exit_choice_A\}$
B		$\{e://Field/exit_choice_B\}$
C		$\{e://Field/exit_choice_C\}$
D		$\{e://Field/exit_choice_D\}$
E		$\{e://Field/exit_choice_E\}$
Group Total		$\{e://Field/exit_count\}$

Summary of Outcome & Payoffs from this Stage: The sum of transfers was $\{e://Field/exit_group\}$ units. This amount was multiplied by $\{e://Field/multiplier\}$, resulting in $\{e://Field/exit_group * e://Field/multiplier\}$ units. This amount was divided equally among the $\{e://Field/exit_count\}$ remaining participants in the group. Therefore, each remaining participant received $\{e://Field/exit_received\}$ units (i.e. $\{e://Field/exit_group\} \times \{e://Field/multiplier\} / \{e://Field/exit_count\} = \{e://Field/exit_received\}$). You decided to $\{e://Field/exit_choice_own\}$ (1 = Exit, 0 = Stay). Therefore, your payoff from this round is $\{e://Field/exit_payoff\}$ units.

Q89 Timing
First Click (1)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Exit Feedback Page_fullKnowledge

Start of Block: COMPLETE BLOCK



complete block

End of Block: COMPLETE BLOCK

Start of Block: Short Post Experiment Survey



Q44 Did you prefer the "\${e://Field/stage1}", "\${e://Field/stage2}" or "\${e://Field/stage3}" Contribution stage?

- ☐ I preferred the "Mandatory" Contribution stage (1)
- ☐ I preferred the "Mandatory with Exit Option" Contribution stage (4)
- ☐ I preferred the "Voluntary" Contribution stage (2)

Q45 What is the reason for your preference?

- ☐ I think the final outcome is usually better for me (1)
 - ☐ I think the final outcome is usually better for everybody (4)
 - ☐ I think that it is fair (2)
 - ☐ Other, please specify: (5)
-

Q46 Timing
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Q47 In real life, which of the three stylised games would you prefer if it was about financing a collective service that benefits everyone equally (e.g., public health, national defence, infrastructure)?

- ☐ I would prefer the "Mandatory" Contribution stage (1)
- ☐ I would prefer the "Mandatory with Exit Option" Contribution stage (4)
- ☐ I would prefer the "Voluntary" Contribution stage (3)

Q48 If you have additional insights or comments about your preferred choice between the "\${e://Field/stage1}", "\${e://Field/stage2}" or "\${e://Field/stage3}" Contribution stages, particularly in funding services like infrastructure, public health or national defense, please share them in the box below.

Q49 Timing
First Click (1)
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Click Count (4)

End of Block: Short Post Experiment Survey

Start of Block: Thank You and Feedback on Bonus Payment

Q54 Thank you for your participation in the economic game. Your submission has been received.

Your final payoff, randomly selected from your performance across the three stages, is

`{e://Field/bonus_payment}` AUD.

To continue, please click on the button below:

Q55 Timing

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Page Submit (3)

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End of Block: Thank You and Feedback on Bonus Payment
