

UNSW_Group_Diversity_Experiment_1_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)
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Page Submit (3)
Click Count (4)

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 a mandatory contribution rate to the public account, between 0% and 100%. All participants make this decision simultaneously and independently.

 The final mandatory contribution rate for the group is set at the median value of all rates chosen by the participants. This means the rate that falls in the middle of all chosen rates (i.e. when ordered from lowest to highest) becomes the standard rate *applied to every group member*.

 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. **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 both 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 two stages of the economic game. *Therefore, your performance across both 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)

Last Click (2)

Page Submit (3)

Click Count (4)

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

First Click (1)

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Page Submit (3)

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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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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)

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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 both of the **two 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)
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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:

Role	Unit(s) Transferred
A	$\{e://Field/voluntary_A\}$
B	$\{e://Field/voluntary_B\}$
C	$\{e://Field/voluntary_C\}$
D	$\{e://Field/voluntary_D\}$
E	$\{e://Field/voluntary_E\}$
Group Total	$\{e://Field/voluntary_group\}$

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 your preferred mandatory contribution rate to the "public account."

Each of the other four participants will also make a decision about their proposed mandatory contribution rate to the public account individually and simultaneously.

After all five participants in your group have made their decisions, the median vote's contribution rate (i.e. the rate in the middle when the set of five rates are ordered from lowest to highest) will be applied equally to all group members, regardless of their initial endowment level.

Please enter your proposed mandatory contribution rate to the public account in the box below. A maximum of 2 decimal places is allowed.

Your proposed mandatory contribution rate to the public account (0 - 100%):

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 was $\$ \{e://Field/ratio_group\}$ percent, which was applied equally

to all group members. Remember, you are **Participant $\{e://Field/participantRole\}$** . *The participants in your group each transferred:* **Role**

Unit(s) Transferred to the "Public Account"

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

Start of Block: Introduction Page_lessKnowledge

Q61 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 both of the **two stages**, you will receive $\{e://Field/endowment_own\}$ units.

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:***

Q62 Timing
 First Click (1)
 Last Click (2)
 Page Submit (3)
 Click Count (4)

End of Block: Introduction Page_lessKnowledge

Start of Block: Voluntary Feedback Page_lessKnowledge

Q77 **"Voluntary" Contribution Stage** *Feedback on Outcome* Remember, you are **Participant** $\{e://Field/participantRole\}$. **Role**

Unit(s) Transferred to "Public Account"

$\{e://Field/participantRole\}$ $\{e://Field/voluntary_own\}$

Group Total **$\{e://Field/voluntary_group\}$**

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:*

Q78 Timing
 First Click (1)
 Last Click (2)
 Page Submit (3)
 Click Count (4)

End of Block: Voluntary Feedback Page_lessKnowledge

Start of Block: Mandatory Feedback Page_lessKnowledge

Q59 **"Mandatory" Contribution Stage** *Feedback on Outcome* The group's median mandatory contribution rate was **$\{e://Field/ratio_group\}$ percent**, which was applied equally to all group members. Remember, you are **Participant** $\{e://Field/participantRole\}$. **Role**

Unit(s) Transferred to "Public Account"

$\{e://Field/mandatory_own\}$ $\{e://Field/participantRole\}$

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:***

Q60 Timing

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

End of Block: Mandatory Feedback Page_lessKnowledge

Start of Block: COMPLETE BLOCK



complete block

End of Block: COMPLETE BLOCK

Start of Block: Short Post Experiment Survey



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

☐ I preferred the "Mandatory" Contribution stage (1)

☐ 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

First Click (1)

Last Click (2)

Page Submit (3)

Click Count (4)

Page Break



Q47 In real life, which of the two 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 "Voluntary" Contribution stage (3)

Q48 If you have additional insights or comments about your preferred choice between the "\${e://Field/stage1}" or "\${e://Field/stage2}" 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)
Last Click (2)
Page Submit (3)
Click Count (4)

End of Block: Short Post Experiment Survey

Start of Block: Thank You and Feedback on Bonus Payment

Q52 Thank you for your participation in the economic game. Your submission has been received.

Your final payoff, randomly selected from your performance across the two stages, is **\${e://Field/bonus_payment} AUD**.

To continue, please click on the button below:

End of Block: Thank You and Feedback on Bonus Payment
