



## Questions about the mean value computation task

**ST01**

Did you have any strategy or different strategies for the task you have just completed (i.e., the mean value computation task)? Please also briefly describe your strategy(ies).

## Questions about the mean value computation task

**ST04**

When working on the mean value computation task, a possible strategy is to determine whether the majority of the numbers' first digits are (a) less than 5 or (b) 5 or greater.

Did you use this strategy when working on the task?

- yes
- no

**PHP code**

```
if (value('ST04') == 1) {  
    question('ST05');  
}
```

**question('ST05')****ST05**

## Questions about the mean value computation task

Please indicate the percentage of trials in which you used the strategy to count whether the majority of the first digits of the numbers displayed was (a) smaller than 5 or (b) 5 or greater.

- 10 %
- 20 %
- 30 %
- 40 %
- 50 %
- 60 %
- 70 %
- 80 %
- 90 %
- 100 %

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## Questions about the mean value computation task

**ST06**

On average, how many of the 16 numbers displayed did you take into account when deciding whether the mean was smaller than 500 or larger than 500?

 numbers

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## Questions about the mean value computation task

**ST07**

Please indicate the extent to which you agree with the following statement.

1 do not agree at all	2	3	4	5	6	7	8	9	10 strongly agree
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In each round, I felt like the number I looked at last was particularly crucial for my decision.

         


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## Questions about the mean value computation task

**BN01**

Please indicate the extent to which you agree with the following statement.

1 do not agree at all	2	3	4	5	6	7	8	9	10 strongly agree
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I noticed some numbers more than others.

         


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Page 07**PHP code**

```
if (value('bias') > 1) {
    question('BN01');
}
```

**question('BN01')**
**BN01**

## Questions about the mean value computation task

Please select which numbers were more noticeable to you.

## PHP code

```
if (value('bias') > 1) {
    if (value('bias_select') == 1) {
        replace('%numbers%', 'Low numbers');
        replace('%answer%', '> 500');
    } elseif (value('bias_select') == 2){
        replace('%numbers%', 'High numbers');
        replace('%answer%', '< 500');
    } else {
        goToPage('IN05');
    }
}

if (value('bias') > 1) {
    question('BS01');
}
```

**question('BS01')**

BS01

## Questions about the mean value computation task

**Please indicate the extent to which you agree with the following statement.**

1            2            3            4            5            6            7            8            9            10  
do not  
agree at all  
strongly  
agree

⇒ numbers ←  
were more  
noticeable to  
me, so I chose  
"⇒ answer ←"  
when I was  
unsure.

**PHP code**

```
//will only work when combined with pavlovia  
  
if (value('UR01_RV3') == "guess") {  
    question('IN05');  
}
```

question('IN05')

IN05

## Questions about the mean value computation task

An important aim of this study is to test the instructions given to you.

During the mean value computation task you were instructed to take an educated guess, meaning to choose the answer that seemed most probable at first glance, even without complete certainty of its correctness.

What was your understanding of this instruction?

## Questions about the mean value computation task

ST03

Do you have any further comments about the study (e.g., that you found something unclear or that you misunderstood the task at times)?

## Questions about yourself

DE01

How old are you?

 years

## Questions about yourself

**DE11**

Please indicate your handedness.

You can learn more about each category by moving your mouse over it.

- right-handed
- left-handed
- mixed-handed
- ambidextrous

**PHP code**

```
if (value('DE11') == 3 | value('DE11') == 4) {  
    question('DE24');  
}
```

**question('DE24')****DE24**

## Questions about yourself

When using a computer keyboard, would you consider your left hand or your right hand to be your “stronger hand”?

- left hand
- right hand

## Questions about yourself

**DE25**

Did you finish high school?

- yes
- no

**PHP code**

```
if (value('DE25') == 2) {  
    goToPage('student');  
}
```

## Questions about yourself

DE12

**Overall, what grades did you receive in your high school diploma?**

If you were scored on a different scoring system, please check the table to see how your score translates.

- Mostly As
- About half As and half Bs
- Mostly Bs
- About half Bs and half Cs
- Mostly Cs
- About half Cs and half Ds
- Mostly Ds
- Mostly below Ds
- Other, please specify:

Grade	A	B	C	D	F
Percentage *	≥ 90 %	≥ 80 %	≥ 70 %	≥ 60 %	< 60 %
Point equivalents / GAD	4.0	3.0	2.0	1.0	0

\* "A" refers to percentages of (including) 90 % and above,  
 "B" refers to percentages of (including) 80 % – 89 %,  
 "C" refers to percentages of (including) 70 % – 79 %,  
 "D" refers to percentages of (including) 60 % – 69 %,  
 "F" refers to percentages below 60 %.

## Questions about yourself

DE13

**Overall, what math grades did you receive during high school?**

If you were scored on a different scoring system, please check the table to see how your score translates.

- Mostly As
- About half As and half Bs
- Mostly Bs
- About half Bs and half Cs
- Mostly Cs
- About half Cs and half Ds
- Mostly Ds
- Mostly below Ds
- Other, please sepcify:

Grade	A	B	C	D	F
Percentage	≥ 90 %	≥ 80 %	≥ 70 %	≥ 60 %	< 60 %
Point equivalents / GAD	4.0	3.0	2.0	1.0	0

\* "A" refers to percentages of (including) 90 % and above,  
 "B" refers to percentages of (including) 80 % – 89 %,  
 "C" refers to percentages of (including) 70 % – 79 %,  
 "D" refers to percentages of (including) 60 % – 69 %,  
 "F" refers to percentages below 60 %.

## Questions about yourself

**DE02** **Are you a student?**

- No
- Yes

**4 Active Filter(s)****Filter DE02/F1**If any of the following options is selected: **2**Then display question/text **DE03** placed later in the questionnaire (otherwise hide)**Filter DE02/F2**If any of the following options is selected: **1**Then display question/text **DE05** placed later in the questionnaire (otherwise hide)**Filter DE02/F3**If any of the following options is selected: **1**Then display question/text **DE06** placed later in the questionnaire (otherwise hide)**Filter DE02/F4**If any of the following options is selected: **1**Then hide question/text **DE04** placed later in the questionnaire

## Questions about yourself

**DE03** **Are you studying psychology?**

- No
- Yes

**2 Active Filter(s)****Filter DE03/F1**If any of the following options is selected: **1**Then display question/text **DE04** placed later in the questionnaire (otherwise hide)**Filter DE03/F2**If any of the following options is selected: **1**Then display question/text **DE05** placed later in the questionnaire (otherwise hide)

## Questions about yourself

**DE04** **Which subject are you studying?**

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adult

**DE05**

## Questions about yourself

**Have you studied psychology?**

- No
- Yes

**What do you do for a living?****DE06** 

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Page 22**DE07**

## Questions about yourself

**What is your mother tongue?**

- English
- Other, namely:

**What gender do you identify as?****DE08**

You can learn more about each category by hovering your mouse over it.

- Cis female
- Cis male
- Trans\* woman
- Trans\* man
- Nonbinary
- Another one, namely:
- Prefer not to answer

## Thank you for your time!

**PHP code**

```
if (value('UR01_RV3') == "guess") {
    replace('%inst%', 'to take an educated guess.');
} else {
    replace('%inst%', 'to only select an answer when you were fully confident of your choice.');
}

question('DA01');
```

question('DA01')

**DA01**

The aim of the study is to determine whether and how people's decisions differ based on the task instructions they receive. Specifically, it examines the differences between being instructed to only select an answer when fully confident in one's choice versus being instructed to take an educated guess. The instructions for each participant were randomly assigned. In your case, you were assigned  $\Rightarrow$  inst :=

**The data will be collected and published in anonymized form. No conclusions about specific individuals can be drawn from this information. The data will be made publicly available and may be used by others for further research. The data will be stored for a minimum of 10 years in accordance with the guidelines of the German Research Foundation. Do you agree to this?**

As a reminder: By giving your consent, you are helping to ensure the success of this and other studies. However, compensation is independent of whether you agree to data storage or not.

- Yes: I agree to my data being stored.
- No: I would like my data to be deleted.

## Thank you for your time!

**DA02**

You have now reached the end of the study.

As per your request, we will delete your data.

You will receive 9.00 GBP for your complete participation.

Please click on "Continue" at the bottom right to be redirected to Prolific.

**DA03**

## Thank you for your time!

You have now reached the end of the study.

Thank you for agreeing to data storage.

You will receive 9.00 GBP for your complete participation.

Please click on "Continue" at the bottom right to be redirected to Prolific.

**PHP code**

```
redirect('https://app.prolific.com/submissions/complete?cc=C1BSS9X2', false);
```

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**Last Page**

## **Thank you for completing this questionnaire!**

We would like to thank you very much for helping us.

Your answers were submitted, you may close the browser window or tab now.

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