soSci
oFb - der onlineFragebogen

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).

> (text box)

Page 02

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

Page 03

PHP code

```php
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 %
○	○	○	○	○	○	○	○	○	○

Page 04

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

Page 05

ST07 ▣

Questions about the mean value computation task

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
In each round, I felt like the number I looked at last was particularly crucial for my decision.	○	○	○	○	○	○	○	○	○	○

Page 06

Questions about the mean value computation task

BI01 ▣

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
I noticed some numbers more than others.	○	○	○	○	○	○	○	○	○	○

Page 07

PHP code

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

question('BN01')

BN01 ▣

Questions about the mean value computation task

Please select which numbers where more noticeable to you.

[Please choose] ⌄

PHP code

```php
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 do not agree at all	2	3	4	5	6	7	8	9	10 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 <u>educated guess</u>, meaning to choose the answer that seemed most probable <u>at first glance</u>, even without complete certainty of its correctness.

What was your understanding of this instruction?

Page 10

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)?

Page 11

Questions about yourself

DE01 ▣

How old are you?

[   ] years

Page 12

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

Page 13

PHP code

```php
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

Page 14

Questions about yourself

DE25 ▣

Did you finish high school?

- ◯ yes
- ◯ no

Page 15

PHP code

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

Page 16

Questions about yourself

DE12 ▫

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

If your 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 %.

Page 17

Questions about yourself

DE13 ▫

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

If your 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 %.

Page 18

student

DE02 ▣

Questions about yourself

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

---

Page 19

psycho

DE03 ▣

Questions about yourself

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)

Page 20

subject

DE04 ▣

Questions about yourself

Which subject are you studying?

[   ]

Page 21

adult

DE05 ▣

Questions about yourself

Have you studied psychology?

○ No

○ Yes

DE06 ▣

What do you do for a living?

[   ]

Page 22

DE07 ▣

Questions about yourself

What is your mother tongue?

○ English

○ Other, namely: [   ]

DE08 ▣

What gender do you identify as?

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

```php
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 first part 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 ⇉ inst ⇇

The data of this part of the study 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.

Page 24

DA02

You have now reached the end of the first part of the study.

As per your request, we will delete your data collected thus far (i.e., we will delete all data from the numerical task).

Please click on "Continue" at the bottom right to proceed.

DA03

You have now reached the end of the first part of the study.

Thank you for agreeing to data storage.

Please click on "Continue" at the bottom right to proceed.

Page 25

PHP code

```php
redirect("https://www.soscisurvey.de/object_rating/?pp=" . value('UR01_RV1') . "&group=" . value('UR01_RV3'), false
```

Last Page

Julia V. Liss, M.Sc., Kiel University – 2024