Intent Rand Expt Notes

Monday, October 28, 2024   1:34 PM

Need to add a consent page before the Demographics page

TODO: @Joe needs to get the correct informed consent html to Victoria/Michael

Demographics Page

Please provide the following information:

Your responses are confidential and will be used solely for research purposes. You may choose to skip any questions you do not wish to answer.

Gender Identity: [Male ⌄]

Age: [21]

Race/Ethnicity (select all that apply):

☐ Native American or Alaska Native

☐ Asian

☐ Black or African American

☐ Hispanic or Latino

☐ Native Hawaiian or Pacific Islander

☑ White

☐ Middle Eastern or North African

☐ Other

☐ Prefer not to say

Highest Level of Education Completed: [Doctorate Degree (e.g., PhD) ⌄]

Have you ever taken any statistics course? [Select your option ⌄]

[Continue]

Demographics at end rather than start

Textboxes that show for other to fill in

Clean up demo questions a bit
Left justify things

Space to block race/ethnicity questions together.

"have you ever taken any statistics course?" -> "What is your background with statistics and/or probability theory?"

      Add 1, 2, and 3+ courses as formal yes options

When fixing other checkboxes, don't forget about the other dialog options too!

Instructions page(s).

Add title ("Instructions"?)

"Imagine you are a space rescuer…" -> "Imagine you are living in the future where humanity explores the stars using space ships. You are a space rescuer…"

Have current page # of total page # for instruction pages in the bottom right corner of page. Should also have Stage x of X for how many stages there are to the study (instructions being one stage)

Page 2: "To call for help, astronauts can use the transmitter to send out sequences made of two types of radio waves - 0 and 1." -> "Exploring space is dangerous and sometimes astronauts need to get help from others to survive. To call for help, astronauts use a transmitter to send out radio waves. As energy is limited during emergencies, the transmitter can only send binary sequences: a list of 0s and 1s."

Start new block. "However, both types of waves may also be produced by natural phenomena, such as celestial body activities - in this case, 0 and 1 are equally likely to appear." -> "There are also natural, cosmic phenomena affect the same radio waves. If radio waves are generated from cosmic phenomena, than 0s and 1s are equally likely to appear. On the other hand, when radio waves are created by astronauts, 0s and 1s can occur how ever often as desired by the astronauts." (or something similar)

  "Everyone in space knows that by the current technical standard, …" -> "Due to energy limitations, radio receivers can only detect 10 digits per signal."

Described task is different from what participants are asked. After the long cover story, participants are ultimately told they will be show strings and aske to rate their randomness. Instead, keep the cover story consistent. The DV label could be how likely they believe it is that it was produced by a natural phenomena. I think we should have a between subjects factor then that looks at the opposite judgment (likelihood it is produced by an astronaut in distress"

The next message about the quadrant is out of place. Either integrate it into the earlier coverstory or delete (I lean towards the latter). AHH I see, this gets manipualted within-subjects. Then the cover story needs to be adjusted

and so as to make this make more sense when it comes up. Please try something and then I will go over it.

Task screen with actual string:

Change prompt to match cover story rather than how random you think the string is.

Any reason why we are using a Likert rating rather than a continuous slider? I'm fine with either.

Make sure to have the trial number out of total trials or some sort of progres bar for participants so they don't get overwhelmed with how long it takes and then drop

"astronauts are trained to be unafraid and are reluctant to accept help…" I don't like the phrasing for this one. Is this the phrasing we originally worked out with Bertram? If not, then we should alter it to be more clear what is meant by "unafraid" (unafraid of what? Do you mean they are more stubborn?) and why they "do not really want help to arrive"

For the lack of knowledge instructions, it's unclear why they wouldn't know what to do in an emergency already before going on the ship if this is such an important thing (I would assume that's the case and that the instructions manual is only there for backup). Adjust wording to clarify this issue. Also, rather than astronauts do not know their signal should be non-random, it would be better to phrase it as the astronauts do not realize that there are cosmic phenomena that are equally likely to produce 1s and 0s that the emergency search and rescue cannot distinguish from their own signals (or something like that).

In the data, pleas emake sure to keep track of which instructions they are responding to in comphrension check trials and keep store of each time they get it incorrect