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Manual Tracing Study: Tibetan Knot

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1 Works for me



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ABSTRACT

Lab Study Script and Protocols for manual tracing study using Tibetan knot pattern (Prime) and asymmetrical pattern (Anti-prime) and Control (non-tracing).

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ABSTRACT

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Lab Study Checklist

Lab setup at the beginning of each day

- Log in to computer
- Launch Google Chrome
- Clear cookies (settings tab > advanced > content settings > cookies > see all... > remove all)**
- Log in to Qualtrics
- Select relevant test for session > Distributions > Anonymous Link
- Ensure keyboard tray and mouse are stowed with mouse turned off
- Ensure computer is in tablet mode (bottom-right of screen)
- Ensure monitor is within 2 cm of desk edge
- Ensure screen brightness set to 75%
- Close Qualtrics tab (leaving only the survey screen open)
- Prepare link to tracing app for control and antiprime participants
- Enter fullscreen mode (f11)
- Ensure all window blinds are drawn shut
- Ensure stationary chairs (blue) are placed at each station (instead of swivel chairs)
- Gather consent forms for the day
- Ensure that the proper script for the participant is being used

Interaction with study participants

- Greet participant at building entrance and escort to lab space
- Invite participant to sign consent form (see script below)
- Perform study following the appropriate script outline (see below)
- Fill out metadata fields on cover page of signed consent form once study is underway
- Demonstrate tracing app mid-way with prime and anti-prime participants
- Debrief with student inviting questions and comments
- Provide control participants with an opportunity to demo the tracing app
- Express appreciation to participant for their time and attention when finished
- Escort to elevator and recommend Ground Level
- Wipe computer screen with microfibre cloth
- Remove tracking cookies (see above) and refresh study start page
- Greet next student at allotted time

At the end of each day:

- Back up study data to USB drive with participants listed chronologically regardless of group
- Log out of lab computers
- Wipe down computer screen with cloth + solution
- File paperwork and USB drive in locked filing cabinet
- Lock filing cabinet
- Ensure that lights are turned off
- Ensure that lab doors are locked
- Ensure that lab keys are properly stored in lockbox

**Note: this step must also be performed at the end of each participant session.

Lab Study Script and Procedures

Introduction

- Remember that you can choose to end your participation at any time for whatever reason
- You have enough time to complete the survey during this appointment so remember to take your time
- No pressure, we're looking at general trends about how people are responding overall, not grading or judging individuals
- Do you have any shoulder/arm pain/injuries?
- If you need me I will be just outside; any reason
- There is no back button, so make sure you read everything carefully before moving forward
- There is a part 2/3 of the way through that tells you to come get me. It is important that you do so because your instructions moving forward will change
- Please keep all personal belongings outside the cubicle area/phone on silent/airplane mode, and we ask that you do not access any outside sources or materials during the study
- Everything will be done through the touch screen

Tracing

- Fluid motion, without lifting finger, same hand, moving to the right, no need to colour in the lines, follow this same pattern/direction
- One 60 second round before the next test, don't skip and don't do it more than once; it will collapse at the end of the 30 seconds and bring you back to the test
- Will be observing from other room just in case there are any technical difficulties- I cannot see any of your answers; this is more to assist you than to watch you
- If you need me you can just wave your hand and I will come in

Debrief

- To the best of your knowledge, have you done any of those tests before?
- Was there anything you found distracting while completing the survey?
- Are you L or R handed?
- Is there anything you would like to draw our attention to?
- You were part of our (prime/antiprime/control) group, so we're also having students trace other patterns or none at all. We're looking at the effects that tracing symmetrical patterns may have on cognition or creativity.
- Results will be available in the next academic year on Dr. Jamin Pelkey's academic website
- We ask that you not speak with any classmates or friends who may be participating about what you did here.
- Walk participant to elevator and thank them for their participation

Paperwork/data

- Fill in front page of consent form (time, name, participant number, room, etc) after they begin the test along with the notes section of the schedule indicating their condition and participant number or whether they were a no show/late cancel, etc
- Conditions: once completed, cross out and initial
- Upload all data on the respective USB keys, PDF and excel, saved with participant number only
- File away all paperwork and USB keys at end of day; make sure drawer is locked

Wipe down screens, clear tracking cookies.