*Ein Bild, das Text, Schrift, Grafiken, Design enthält.

KI-generierte Inhalte können fehlerhaft sein. Institut für Psychologie*

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**Checklist for tid\_psam Experiment**

**Experimenter:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Subject ID (only number!):** sub-\_\_

**Note any problems that occurred here:**

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|  |

**If any problems occur, also state this in the *abnormalities list* by marking the subject ID red and briefly also state the problem there.**

|  |  |
| --- | --- |
| **Before the measurement** | |
| Check whether Lab 3 is booked correctly |  |
| Enter data in the Lab-Book (apart from cap used) |  |
| Check next **available subjectID** and mark it as **taken** + add the name to the **codelist** |  |
| Prepare EEG-Set-Up | |
| Prepare syringes, Measuring-Tape & paper towels |  |
| Prepare alcohol cotton sticks |  |
| Get EOG electrodes (left and right) |  |
| Prepare hairdryer (NOT the red outlets) & towels |  |
| Prepare Lab 3 | |
| Turn on both PCs and screens |  |
| Open webcam on recording (right) PC |  |
| Set up the microphone |  |
| Connect Focusrite interface to the stimulus (left) PC and check whether the microphone is pluged into **channel 2** (right channel) |  |
| Turn the big light off and the small light on and turn on the air conditioner in the chamber |  |
| Put a towel on the chair |  |
| Check for correct sample rate (**44100 Hz**) and buffer (**256**) |  |
| Check for correct sound output (**ADAT1/2**) |  |
| Set up **timing set up** (**real** audio signal in **RIGHT** channel) and **check** whether it works |  |
| Open BrainVisionRecorder on the recording (right) PC and select the workspace **tid\_psam\_33chan** |  |
| **Run** **tid\_psam\_create\_conditions\_file.m**  **(**Enter the ID (only the number!)) |  |
| Get a glas of water |  |
| Prepare paperwork   * Information sheet * Consent sheet * FAL (incl. ID) * NASA-TLX (incl. ID) * SAM (incl. ID & Pause) (print **7** times!) |  |
| **Preparation for the measurement** | |
| **Participant arrives** | \_\_\_ : \_\_\_ |
| Turn on light “Bitte nicht stören” |  |
| Show participant the lab, state that we can also see them throught the **camera** |  |
| Talk about the next steps and get **consent sheet signed** |  |
| Ask participants to remove smartphones and earrings |  |
| Ask the participant to fill out the **FAL** and to **wash their hair** and go to the **toilet** |  |
| Prepare EEG Cap  +  Give the instructions to the participant | Size: \_\_\_\_ cm  ID: \_\_\_\_  Start: \_\_:\_\_  End \_\_:\_\_  Duration: \_\_\_ min |
| Add used cap in the lab book |  |
| **During the measurement** | |
| Place participant in sound chamber and adjust the microphone so that it is **~5cm from the participants’ mouth** and turn on the amplifiers after unplugging the powerpacks. |  |
| Check impedances and correct electrodes if needed |  |
| Repeated the instructions to the participant |  |
| Let the participant practice the vocalizations, correct them if needed and ask if their any questions |  |
| **Run** **tid\_psam\_stimuli\_recording\_adapted.py** (in VS Code)  (Enter the ID (only the number)!) | Time: \_\_:\_\_ |
| **Run** **tid\_psam\_prepare\_stimuli.praat**  (Enter the ID (only the number with **one** **leading zero**, if needed)!) |  |
| **Run tid\_psam\_select\_stimuli.m**  Check stimuli for quality, changing files if needed |  |
| **Run tid\_psam\_determine\_loudness.m** saying:  *“Ich werde Ihnen nun die Aufnahmen wiederholt präsentieren. Unser Ziel ist es gemeinsam eine angenehme Lautstärke zu finden. Hören Sie sich die Aufnahme zunächst einmal an und sagen Sie, ob die Lautstärke angenehm ist.”*  Enter the selected **attenuation** as the script asks for it |  |
| Check impedances (including reference and ground) and save a screenshot under data/BIDS/sub-XX/eeg, naming them   * **tid\_psam\_sub-XX\_imp\_ before.png** * **tid\_psam\_sub-XX\_imp\_ before \_ref.png** * **tid\_psam\_sub-XX\_imp\_before\_grd.png** |  |
| Close all scripts **except** for **tid\_psam\_main\_experiment.py** |  |
| **Start BrainVisionRecorder Recording**  **Saving the file as “tid\_psam\_sub-*xx*”**  (Enter the ID (only the number with **one** **leading zero**, if needed)!) |  |
| **Run tid\_psam\_main\_experiment.py** | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 1 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 2 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 3 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 4 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 5 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 6 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| Give water and SAM during break 7 | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| **After the measurement** | |
| Check impedances (including reference and ground) and save a screenshot under data/BIDS/sub-XX/eeg, naming them   * **tid\_psam\_sub-XX\_imp\_after.png** * **tid\_psam\_sub-XX\_imp\_after\_ref.png** * **tid\_psam\_sub-XX\_imp\_after\_grd.png** |  |
| Remove the participant from the EEG system, turn off the amplifiers and plug them in |  |
| Place the participant at the table |  |
| **NASA-TLX** | Start: \_\_:\_\_  End: \_\_:\_\_ |
| Remove the EEG Cap & let participant wash his/her hair |  |
| Compensation sheet |  |
| **Participants leaves** | \_\_\_ : \_\_\_ |
| **Following the measurement** | |
| Save all files   * Copy the main data (sub-xx folder under /BIDS/) to server * Copy the stimuli data (sub-xx folder under /BIDS/stimuli/) to server * Copy the EEG data to BIDS/sub-xx/eeg |  |
| Remove timing set up & **Focusrite Interface** |  |
| Clean Lab 3 with disinfectant wipe |  |
| Turn off the light and the air conditioner in the chamber |  |
| Clean the EEG Cap (use green bowl to soak it while participant is washing his/her hair) and clean the sink |  |