*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:**

|  |
| --- |
|  |

**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 |  |
| Prepare EEG-Set-Up   * Prepare syringes * Measuring-Tape * Prepare alcohol cotton sticks * Prepare Cap (including EOG) * Prepare hairdryer (NOT the red outlets) |  |
| Prepare Lab 3   * Turn on both PCs and Screens * Open webcam on recording (right) PC * Set up microphone (Input 2) * Check whether EEG Packs are charged * Connect Audio-Interface to the presentation (left) PC * 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) * Open scripts on the presentation (right) PC   + tid\_psam\_create\_conditions\_file.m   + tid\_psam\_stimuli\_recording\_adapted.py (in VS Code)   + tid\_psam\_prepare\_stimuli.praat   + tid\_psam\_select\_stimuli.m   + tid\_psam\_determine\_loudness.m   + tid\_psam\_main\_experiment.py (in PsychoPy 🡪 Run as administrator) * Open BrainVisionRecorder on the recording (right) PC and select the workspace tid\_psam\_32+chan |  |
| Prepare paperwork   * Information sheet * Consent sheet * FAL * NASA-TLX |  |
| **Preparation for the measurement** | |
| Arrival participant | \_\_\_ : \_\_\_ |
| 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 |  |
| Give participants part 1 of the instructions, also repeating it verbally |  |
| **Stimuli recording & further preparation** | |
| Place participant in sound chamber and adjust the microphone |  |
| Let the participant practice the vocalizations, correct them if needed. |  |
| **Run** **tid\_psam\_create\_conditions\_file.m** and enter the subjectID (only the number!) |  |
| **Run** **tid\_psam\_stimuli\_recording\_adapted.py** (in VS Code) | Time: \_\_:\_\_ |
| **Run** **tid\_psam\_prepare\_stimuli.praat**  (Watch-Out: Enter subject ID WITH one leading zero (if needed)) |  |
| Ask the participant to leave the room to fill out the **FAL** and to wash their hair |  |
| **Run tid\_psam\_select\_stimuli.m**  Check stimuli for quality, changing files if needed |  |
| Prepare EEG Cap & give participants part 2 of the instructions, also repeating it verbally | Size: \_\_\_\_ cm  ID: \_\_\_\_  Start: \_\_:\_\_  End \_\_:\_\_  Duration: \_\_\_ min |
| Add used cap in the lab book |  |
| Check impedances and save a screenshot under data/BIDS/sub-XX/eeg, naming it sub-XX\_imp\_before.png |  |
| **During the measurement** | |
| Place participant in sound chamber again and adjust the microphone and turn on the amplifiers after unplugging the powerpacks. |  |
| **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 loudness as the script asks for it |  |
| Close all scripts **except** for **tid\_psam\_main\_experiment.py** |  |
| **Start BrainVisionRecorder Recording**  **Saving the file as “tid\_psam\_sub-xx\_raw”**  (Watch-Out: Enter subject ID WITH one leading zero (if needed)) |  |
| **Run tid\_psam\_main\_experiment.py** | Start: \_\_:\_\_  End: \_\_:\_\_  Duration: \_\_\_ min |
| **After the measurement** | |
| Check impedances and save a screenshot under data/BIDS/sub-XX/eeg, naming it sub-XX\_imp\_after.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 EEG Cap & wash hair |  |
| Compensation sheet |  |
| Participants leaves | \_\_\_ : \_\_\_ |
| **Follow-Up** | |
| Save all files   * Copy the main data (sub-xx folder under /BIDS/) to recording (right) PC * Copy the stimuli data (sub-xx folder under /BIDS/stimuli/) to the recording (right) PC * Copy the EEG data to BIDS/sub-xx/eeg |  |
| Remove timing set up |  |
| Clean Lab 3 with disinfectant wipe |  |
| Clean EEG Cap (use green bowl to soak it while participants are washing their hair) |  |
| Clean sink, turn lights off |  |