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

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

*AG Neuropsychologie*

*Prof. Dr. Stefan Debener*

*Ammerländer Heerstraße 114-118*

*26129 Oldenburg*

Ansprechpartner für eventuelle Rückfragen:

*Tim Dreßler*

tim.dressler@uni-oldenburg,de

**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 |  |
| Prepare EEG-Set-Up   * Prepare syringes * Measuringtape * 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 * 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) * 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\_main\_experiment.py (in PsychoPy 🡪 Run as administrator) * Open BrainVisionRecorder on the recording (right) PC and select the workspace tid\_psam\_64chan |  |
| 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. Tell them:  *“Bla Bla Bla”* |  |
| **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 |  |
| Close all scripts **except** for **tid\_psam\_main\_experiment.py** |  |
| 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 saying:  *“Bla bla bla”* |  |
| Start BrainVisionRecorder |  |
| **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 |  |
| 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 |  |
| Clean Lab 3 with disinfectant wipe |  |
| Clean EEG Cap (use green bowl to soak it while participants are washing their hair) |  |