INSTITUT FÜR PSYCHOLOGIE
ABTEILUNG NEUROPSYCHOLOGIE

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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 + **Codelist**	
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 **attenuation** 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	