

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 and mark it as taken + Codelist	
Prepare EEG-Set-Up	
 Prepare syringes & paper towels 	
Measuring-Tape	
Prepare alcohol cotton sticks	
Prepare Cap (including EOG)	
 Prepare hairdryer (NOT the red outlets) & towels 	
Prepare Lab 3	
Turn on both PCs and Screens	
 Open webcam on recording (right) PC 	
Set up microphone (Input 2)	
Turn on the light and the air conditioner in the chamber	
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)	
 Prepare scripts on the presentation (right) PC 	
tid_psam_create_conditions_file.m	
 tid_psam_stimuli_recording_adapted.py (in VS 	
Code)	
o tid_psam_prepare_stimuli.praat	
o tid_psam_select_stimuli.m	
o 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_33chan	
Prepare paperwork	
Information sheet	
Consent sheet	
FAL (incl. ID)	
NASA-TLX (incl. ID)	

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 participant part 1 of the instructions, also repeating it verbally	
Stimuli recording & further preparation	
Place participant in sound chamber and adjust the microphone so that it is ~5cm from the participants' mouth	
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 and go to the toilet	
Run tid_psam_select_stimuli.m	
Check stimuli for quality, changing files if needed	
	Size: cm ID:
Prepare EEG Cap	Start::_
	End:
	Duration: min
Add used cap in the lab book	
Place the participant in the seat and provide part 2 of the	
instructions, also repeating it verbally	
Check impedances and save a screenshot under data/BIDS/sub-	
XX/eeg, naming it tid_psam_sub-XX_imp_before.png	

During the measurement		
Place participant in sound chamber again and adjust the		
microphone so that it is ~5cm from the participants' mouth 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		
Efficient 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"		
(Watch-Out: Enter subject ID WITH one leading zero (if needed))	0	
Paradid management and an artist and an artist and artist artist and artist artist and artist artist and artist artis	Start::_	
Run tid_psam_main_experiment.py	End::_	_:
	Duration: m	nın
After the measurement		
Check impedances and save a screenshot under data/BIDS/sub-		
XX/eeg, naming it tid_psam_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		
NACA TIV	Start::_	
NASA-TLX	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 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	
Clean Lab 3 with disinfectant wipe	
Turn off the light and the air conditioner in the chamber	
Clean EEG Cap (use green bowl to soak it while participants are	
washing their hair)	
Clean sink, turn lights off	