

DATA CLEANING STEPS

FOR EACH FILE:

1. In ShotCut

- 1.1. Add videos and audio (logic) to the timeline (Each on own track)
- 1.2. Align the three based on clap sound → listen to check alignment
→ note: WAV can start (~1 frame before video for good alignment)
(s)
- 1.3. Cut all three to start at the clap moment → delete data prior to clap
- 1.4. Move all files so start point is at zero in timeline (CMD+A & drag)

must be done in parallel and checking videos in case participant doesn't do at same time!

2. In VSCode → find alignment point for biosignal data

- 2.1. Run Biosignals plotting code Step 1.
- 2.2. Find location of the clap in EEG data → both EEG clip
- 2.3. Modify start-point value to be this point in Step 2 → run
- 2.4. Check alignment → check that EMG first increase looks to correspond with audio waveform shape in shotcut → both start ~ same time.

FOR EACH SCALE TYPE IN A FILE:

3. In ShotCut → mark useful data for a scale

- 3.1. Marker all locations with actual data (M to start, CMD+drag to set end)
- 3.2. Copy start & end times to the list for the scale type in VSCode
→ notebook step 3
- In VSCode → generate new biosignal files
- 3.3 Run notebook Step 4 → EMG with more activity expected to align with singing
→ this generates the folder structure for new clean data

4. In ShotCut → extract data from video + audio files

- 4.1. Split the clips at marker locations (navigate using ><) ^{ctrl + use CMD+A}
- 4.2. Copy useful data clips to playlist → select, CMD+C, SHIFT+A
FOR A SINGLE SOURCE! (phone, computer or audio) (repeated for all sources)
- 4.3 Export playlist items → select the folder created in Step 3 → From: each ^{playlist item} default (reset or mp4 from list) for videos
use WAV preset in list on LHS for mic audio (wav file)
note on naming: name computer video: "computer", phone video "phone" and the audio file as "mic-audio" → ensure in correct scale type folder
+ make sure index selected for naming in export popup
- 4.4. Repeat process for all audio/video data sources → delete previous playlist items

5. Repeat steps 3 & 4 for each scale type. → deleting all markers before starting next round is easier

b. Reset for next file cleaning

→ empty lists in VSCode, new file names, delete