MATLAB App

Audiometry

Identifier [ID]

Which ear do you want to start with? [Right ▼]

[Assess hearing in the right ear]

[Heard]   In progress   [Not heard]

Laterality questionnaire

Identifier [ID]

You consider yourself [Left-handed ▼]

[Start]

[Writing]

[Left] [Right] [No preference] [Not applicable]

In progress 🔴

- Writing
- Throwing
- Using a comb
- Opening a box (holding the lid)
- Dealing cards (card being dealt)
- Holding a bottle
- Holding a glass
- Putting the key in the lock
- Playing ball
- Pointing precisely (to a place, for example)
- Using a remote control
- Stapling sheets of paper (hand holding the stapler)

Musical sophistication questionnaire

Identifier [ID]

[Start]

I spend a lot of my free time doing music-related activities.

- 1. Completely disagree
- 2. Strongly disagree
- 3. Disagree
- 4. Neither agree nor disagree
- 5. Agree
- 6. Strongly agree
- 7. Completely agree

In progress 🔴

- I spend a lot of my free time doing music-related activities.
- I enjoy writing about music, for example on blogs and forums.
- If somebody starts singing a song I don't know, I can usually join in.
- I am able to hit the right notes when I sing along with a recording.
- I can compare and discuss differences between two performances or versions of the same piece of music.
- I have never been complimented for my talents as a musical performer.
- I often read or search the internet for things related to music.
- I am not able to sing in harmony when somebody is singing a familiar tune.
- I am able to identify what is special about a given musical piece.
- When I sing, I have no idea whether I'm in tune or not.
- Music is king of an addiction for me – I couldn't live without it.
- I don't like singing in public because I'm afraid that I would sing wrong notes.
- I would not consider myself a musician.
- After hearing a new song two or three times, I can usually sing it by myself.
- I engaged in regular, daily practice of a musical instrument (including voice) for 0 / 1 / 2 / 3 / 4-5 / 6-9 / 10 or more years.
- At the peak of my interest, I practiced 0 / 0.5 / 1 / 1.5 / 2 / 3-4 / 5 or more hours per day on my primary instrument.
- I can play 0 / 1 / 2 / 3 / 4 / 5 / 6 or more musical instruments.

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Identifier [ID]

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[Assess hearing in the right ear]

| Heard | In progress | Not heard |

MATLAB App

Pre-test questionnaire

Identifier	ID
Gender	Woman ▼
Age	0

How would you assess your state of mind?

Unpleasant feelings |———○———| **Pleasant feelings**
1 2 3 4 5 6 7 8 9

Sleepiness |———○———| **High arousal**
1 2 3 4 5 6 7 8 9
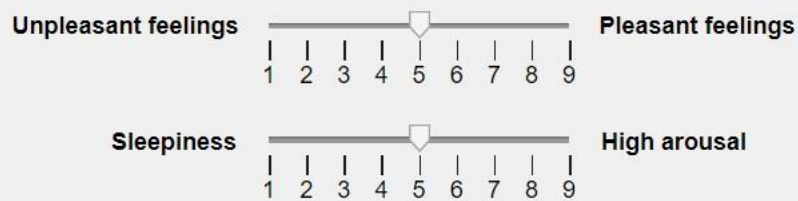
What is your dominant state? | Neutral ▼

Do you have tinnitus?	Yes ▼
Do you suffer from hyperacusis?	Yes ▼
Have you consumed caffeine/theine in the last 24 hours?	Yes ▼
Have you smoked in the last 24 hours?	Yes ▼
Have you consumed alcohol and/or narcotics in the last 24 hours?	Yes ▼
Have you taken any medication in the last 24 hours?	Yes ▼
Are you familiar with brain-computer interfaces technologies and controlling connected objects using your brain signals?	Yes ▼
Are you used to hearing tests?	Yes ▼

Validate

Post-test questionnaire

Identifier   [ID]

How would you assess your state of mind?

Unpleasant feelings ─────────▽──── **Pleasant feelings**
                          | | | | | | | | |
                          1 2 3 4 5 6 7 8 9

Sleepiness ──────────▽───── **High arousal**
                 | | | | | | | | |
                 1 2 3 4 5 6 7 8 9

What is your dominant state? [Neutral   ▼]

Listen to the stimuli again by clicking on them!

[Stimulus 1]   [Stimulus 2]   [Stimulus 3]   [Stimulus 4]

Sort stimuli by order of preference   1. [Choose   ▼]

1 being your favourite and 4, the one   2. [Choose   ▼]
you liked least
                                             3. [Choose   ▼]

                                             4. [Choose   ▼]

Are one or more of the stimuli annoying?

         Stimulus 1   **Stimulus 2**
      No 🔴⬜ Yes   No 🔴⬜ Yes

         Stimulus 3   **Stimulus 4**
      No 🔴⬜ Yes   No 🔴⬜ Yes

Did one or more stimuli seem louder or weaker than the others?

         [Louder]   [Weaker]

Did you find the whole experience pleasant?   [Yes   ▼]

                          Why?   [   ]

                    [**Validate**]