MMBB-MB - General guidelines on how to use the online platform

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Default study

A default study is only applicable in case you do not need to separate your data from other studies. For instance, if you are simply interested in all the data collected for the Rhythm sub-battery, and you will not compare the results with any external data (e.g., brain, MoCap, survey), you may run a default study. To recruit participants for a default study, simply share the following link:

> https://mmbb.fi

In any other case, you will need to set up a custom study, and possibly a custom study timeline, custom user identification, and custom selection of sub-batteries.

Custom study

Running a custom study allows you to retrieve the data of your participants, define custom study timelines, custom user identification, and custom selection of sub-batteries. All you need to do is register your study in our shared spreadsheet. When creating a custom studyID, avoid using blank spaces, special characters and punctuation.

Once you set up the study ID in the spreadsheet, you can start recruiting participants through the following link:

> https://mmbb.fi?studyID=your_study_id_here

Custom user identification

If you run the MMBB-MB in conjunction with an external experiment (e.g., MoCap, brain, survey), you must be able to cross-identify the data of your participant. The MMBB-MB platform supports the definition of custom user ids. All you have to do is add an url parameter indicating the custom ID you assigned to a given participant.

https://mmbb.fi?studyID=your_study_id_here&uniqueID=participant_unique_id_here

Example:

- Researcher X is running an experiment in the MoCap lab **and** in the MMBB-MB platform. Researcher X registered a custom study called *mocap1* in the MMBB-MB platform. In the laboratory, participants are assigned with a unique ID (e.g., participant1, participant2, etc). When recruiting participants for the MMBB-MB, researcher X must include both the study ID, and the **same** unique ID in the MMBB-MB link: https://mmbb.fi?studyID=mocap1&uniqueID=participant1

In case you are using custom user IDs, it is your responsibility to keep an external log file. It is also your responsibility to make sure that the id is properly spelled, and that it is not repeated between other participants of your custom study ID.

Custom study timeline

The MMBB-MB was designed to work as a standardized battery. In special cases, however, your study may need particular modifications. For instance, you may need a different set of stimuli, or a reduced set of trials for a given task.

In this case, you should [contact the development team](), as well as the Principal Investigators responsible for the particular sub-battery you wish to modify. Each case will be discussed individually.
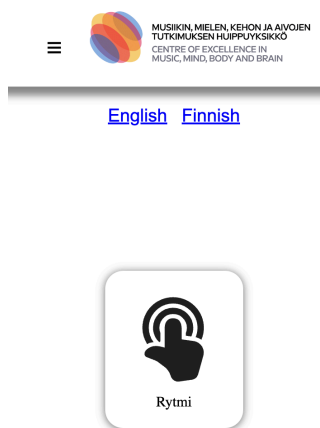
Custom selection of sub-batteries

The MMBB-MB is composed of 7 sub-batteries, namely **Movement**, **Singing**, **Emotion 1**, **Emotion 2**, **Rhythm**, **Survey**, **Perception**. It may be the case that, for your particular study, you only want participants to perform a subset of these sub-batteries. In the study registration spreadsheet, indicate which sub-batteries should be included in your custom study.

The specific selection of sub-batteries you choose will be linked to your custom study. Examples of custom selections of sub-batteries:
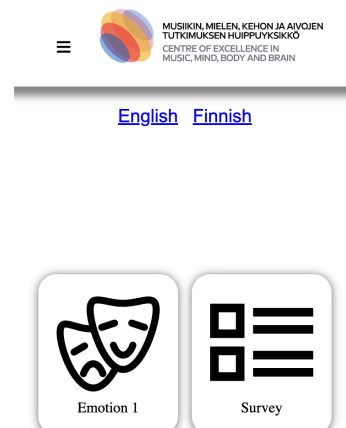
1) Default

2) Only Rhythm

3) Emotion 1 and Survey

Attention! This process is not yet fully automated. So, after setting up a custom selection of sub-batteries, you must contact the development team and let them know about it.

Participant recruitment

As mentioned in the previous sections, the link used to recruit participants will change depending on the customizations of your study. There are three possible url formats:

- [Default study](#): https://mmbb.fi
- [Custom study](#) **without** [custom user identification](#): https://mmbb.fi?studyID=your_study_id_here
- [Custom study](#) **with** [custom user identification](#):
  https://mmbb.fi?studyID=your_study_id_here&uniqueID=participant_unique_id_here

In case you have defined a [custom study timeline](#) and/or a [custom selection of sub batteries](#), these definitions will be linked to your [custom study ID](#). Therefore, when you share the link with your studyID parameter, the user will be directed to the specific collection of sub-batteries and/or to the custom study timeline that you have defined.

If you want your study to be displayed in Finnish, add the lang parameter to the url:

https://mmbb.fi?studyID=your_study_id_here&lang=fi

*Attention! Make sure your study ID is correctly spelled before you share it with your participant.*

User registration

If your participant is accessing the battery for the first time, it will be necessary to make a user-registration. This has been enforced because it allows us to

- Identify the user across different sub-batteries;
- Identify the user across different devices (e.g., laptop and mobile phone);
- Run longitudinal studies;
- Keep track of which sub-battery the user has already completed

Step by step of user registration:

1) Click on *Register here*
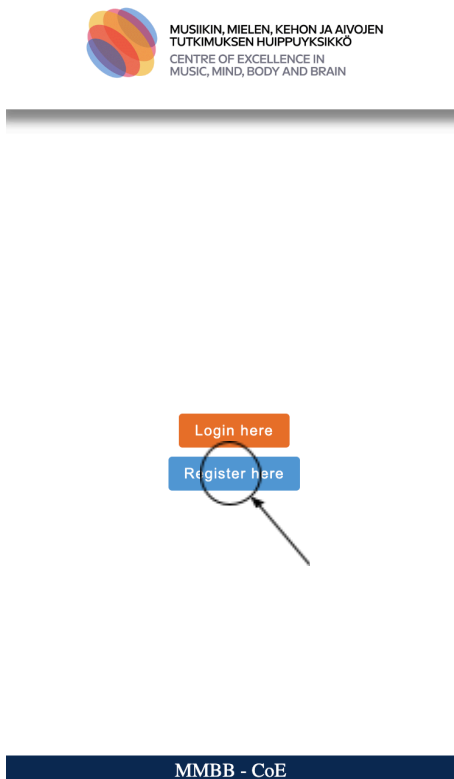
2) Create a username and a password. Click *Register*

Login

If your participant is already [registered](), this this is how you proceed to login:

1) Click on Login here
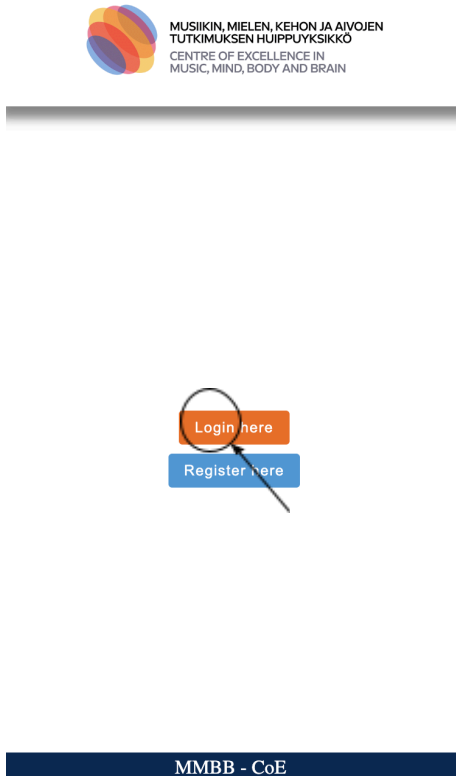
2) Provide your username/email and. Click on *Submit*.

Logout

1) Click on the menu icon

2) Click on Logout

Change language

The battery currently supports English and Finnish. The default language is English, and you can change it to Finnish through URL parameters:

- https://mmbb.fi?lang=fi

Or through the user interface:

1) Click on the language link

Accessing the data

To access the data of your study, you will need to [contact the development team](#). You can opt to receive the raw json files for your study, or a pre-processed csv file. In your email, Provide the following information:

- [Custom study ID](#);
- Is it a [custom timeline](#) study?
- Dates of first and last data collection;
- Raw or pre-processed file

Contact the development team

You may wish to contact the development team to [access your data](#), request a [custom study timeline](#) or a [custom selection of sub-batteries](#). Feel free to contact us with other issues or comments.

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