How to use the Emotional Body Motion Database?

Each column except for "Download as" can be sorted by clicking on its name. Clicking twice sorts in descending order. Also, you can apply different filters depending on a subset of motion sequences you would like to obtain.

Please read the following description for each column:

Intended emotion: the emotion category the actor intended to convey. There are eleven emotion categories (amusement, anger, disgust, fear, joy, neutral, pride, relief, sadness, shame, surprise).
Intended polarity: the polarity of the emotion the actor was trying to convey (positive/ negative/neutral).
Perceived category: the category that was chosen by most of the observers. There are eleven emotion categories (amusement, anger, disgust, fear, joy, neutral, pride, relief, sadness, shame, surprise).
Perceived polarity: the polarity of the category that was chose by the observers most frequently (positive/negative/neutral).
Accurate category: a boolean (true/false) value. "1" if the intended emotion and perceived category are the same, "0" otherwise.
Accurate polarity: a boolean (true/false) value. "1" if the intended polarity and perceived polarity are the same, "0" otherwise.
Duration: length of the motion in seconds.
Peaks: the average number of peaks in the motion trajectory of left and right wrists (raw count averaged fro x,y,z axes for both wrists).
Speed: average speed for the left and right wrists in meters per second.
Span: average span of the motion in meters (mean distance between the wrists).
Acting task: the acting task the motion comes from (Nonverbal/Sentence/Narration).
Acting subtask: more specific task tag. The following tags are used:

- nonverbal_alone
- nonverbal_social
- sentence_narrator
- sentence_direct_speech
- tale_blue_beard
- tale_flower_princess
- tale_golden_goose
- tale_hoodie_crow
- tale_jack_my_hedgehog
- tale_owl_and_eagle
- tale_six_swans
- tale_swineherd
- tale_white_duck

Actor: actor's id (one of 8: "AnBh" "DiMi" "HeGa" "LeSt" "MaMa" "NoVo" "PaPi" "SiGl")
Gender: actor's gender (m/f)
Age: actor's age
Handedness: actor's handedness
Native tongue: actor's mother language (German/English/Hindi)
Responses: a list of response categories given by the observers of that motion sequence. There are always 11 observations. The most frequent category in each cell of this column is also present in the Perceived category column)
Consistency: the proportion of the perceived category from all the responses to this motion sequence, ranges from 0.27 to 1.0
Text: the text the actor was pronouncing/acting out during the motion sequence. For nonverbal tasks the text is not pronounced but is a general motivation for the motion.

Examples of usage

A) You want to select all motion sequences that come from "Sentence" acting tasks and were intended as anger and were accurately recognised as anger. You also want to sort them by consistency in descending order.

1. Select "Sentence" from drop down menu in the "acting task" column,
2. select "anger" from drop down menu in the "intended emotion" column,
3. select "1" from the drop down menu in the "Accurate category" column (alternatively, select "anger" from the drop down menu in "perceived emotion" column),
4. click on "Search" button, 11 rows will be shown,
5. click on the name of "Consistency" column two times - first click will sort the rows in ascending order, the second - in descending

B) You want to select all motion sequences that were acted by English actors, were intended to have positive polarity but were perceived as negative polarity

1. Select "English" from drop down menu in the "Native tongue" column,
2. select "positive" from drop down menu in the "intended polarity" column,
3. select "negative" from drop down menu in the "perceived polarity" column,
4. click on "Search" button, 36 rows will be shown.

You can reset your search by clicking "Reset filters" button, 1447 rows will be shown

Downloading files:

At the moment the files have to be downloaded individually. Soon a batch-download option will be available. Click on the links to the files in the "Download as" column, picking your preferred format (bvh or mvnx). In order to get the meta information, select-all (Ctlr+A for Windows and Linux, Cmd+A for Mac), copy and paste to a text file. The columns are tab separated and after deleting the first three lines can be read by many programs like Excel, SPSS or R.

If you require the full database, please contact us via **ekaterina.volkova@tuebingen.mpg.de**