

1_preparatory_session

behavioral_raw_data_preparatory_session.txt contains raw data from the preparatory session that were used to fit the psychometric functions, as reported in the Supplement:

column index	description	notes
1	subject ID	
2	trial number	
3	delay	Length of feedback delay (in ms)
4	agency	0 = movement was actively generated 1 = movement was passively generated
5	hand identity	0 = participants saw their own hand 1 = participants saw the “other” hand
6	delay response	0 = participant responded “no delay” 1 = participant responded “delay”
7	excluded trials	0 = trial was valid 1 = trial was excluded from further analyses All trials in which no movement or no response was registered were excluded from further analyses. Participant #24 did not detect any delays in the “active self” condition during the fMRI session. Data for this participant were therefore excluded from all analyses.

PF_thresholds_slopes_preparatory_session.txt contains thresholds and slopes derived from the psychometric functions, as reported in the Supplement (*note*: No psychometric functions were fit for participant #24):

- act: actively generated movements
- pas: passively generated movements
- self: participants saw their own hand
- other: participants saw the “other” hand
- th: 50% delay detection threshold
- sl: slope of the psychometric function at the 50% detection threshold

2_fmRI_session

behavioral_data

behavioral_raw_data_fmRI_session.txt contains raw data from the fMRI session that were used to fit the psychometric functions and to investigate movement durations, as reported in sections 2.4, 2.6, and 3.1:

column	description	notes
1	subject ID	
2	trial number	Trials are consecutively numbered within each run (48 trials per run)
3	run number	There were two runs for each participant in the fMRI session
4	delay	Length of feedback delay (in ms)
5	agency	0 = movement was actively generated 1 = movement was passively generated
6	hand identity	0 = participants saw their own hand 1 = participants saw the “other” hand
7	delay response	0 = participant responded “no delay” 1 = participant responded “delay” NaN = no response was logged
8	movement duration	Duration between movement onset and movement offset (in s) NaN = no movement duration was logged
9	excluded trials	0 = trial was valid 1 = trial was excluded from further analyses All trials in which no movement or no response was registered were excluded from further analyses. In some trials, the movement was registered, but movement durations were not logged. These trials were not excluded. Participant #24 did not detect any delays in the “active self” condition during the fMRI session. Data for this participant were therefore excluded from all analyses.

PF_thresholds_slopes_fmRI_session.txt contains thresholds and slopes derived from the psychometric functions, as reported in section 3.1 (*note*: No psychometric functions were fit for participant #24):

- act: actively generated movements
- pas: passively generated movements
- self: participants saw their own hand
- other: participants saw the “other” hand
- th: 50% delay detection threshold
- sl: slope of the psychometric function at the 50% detection threshold

fMRI_data

baseline_contrasts contains data from the active > baseline and the passive > baseline contrast, as reported in the Supplement.

Interaction_agency_hand_identity contains data from the [(passive self > active self) > (passive other > active other)] contrast, as reported in sections 3.2.2 and the Supplement.

main_effects contains data from the main effects of agency (passive > active) and hand identity (other > self), as reported in sections 3.2.1 and the Supplement.

2nd_level_images contains *T*-maps for the respective contrasts in standard MNI-space.

eigenvariates contains eigenvariates extracted from the clusters specified in the file name.

3_questionnaire_data

hand_identity_questionnaire.txt contains participants' responses to the hand identity questionnaire, as reported in sections 2.4 and the Supplement:

- ownHandSelf: How much did you feel that you were seeing your own hand during trials with your own hand? 1 (very weak) – 10 (very strong)
- otherHandSelf: How much did you feel that you were seeing your own hand during trials with the other hand? 1 (very weak) – 10 (very strong)
- handsSimilar: As how similar did you perceive your own and the other hand? 1 (very dissimilar) – 10 (very similar)
- handsDistinguish: How difficult was it to distinguish your own hand from the other hand? 1 (very easy) – 10 (very difficult)

4_video_demonstration

The video shows four trials carried out in the preparatory session (outside the scanner). Note that for illustration purposes only, the participant's right hand wasn't obscured by a curtain.

The following conditions are displayed:

- 1) passive self with a 0 ms delay
- 2) passive self with a 417 ms delay
- 3) passive "other" with a 0 ms delay
- 4) passive "other" with a 417 ms delay