

The following tables provide the results of all mixed ANOVAs conducted for sense of embodiment, self-identification, eeriness, and both body weight estimation tasks.

Table 1: Results of the calculated  $2 \times 2$  mixed ANOVAs of the main and interaction effects of motor control and self-similarity factors for sense of embodiment, self-identification, and eeriness. Statistical significance indicators: \*  $p < 0.05$ ; †  $p < 0.01$ ; ‡  $p < 0.001$ .

	Main Effect Motor Control	Main Effect Self-Similarity	Interaction Effect
<b>Sense of Embodiment</b>			
VEQ Virtual Body Ownership	$F(1, 57) = 2.982, p = .090$	$F(1, 57) = 33.767, p < .001^\ddagger$	$F(1, 57) = 0.031, p = .860$
VEQ Agency	$F(1, 57) = 153.634, p < .001^\ddagger$	$F(1, 57) = 13.041, p < .001^\ddagger$	$F(1, 57) = 7.368, p = .009^\dagger$
VEQ+ Self-Location	$F(1, 57) = 2.551, p = .116$	$F(1, 57) = 28.264, p < .001^\ddagger$	$F(1, 57) = 0.465, p = .498$
<b>Self-Identification</b>			
VEQ+ Self-Attribution	$F(1, 57) = 3.558, p = .064$	$F(1, 57) = 44.836, p < .001^\ddagger$	$F(1, 57) = 0.202, p = .655$
VEQ+ Perceived Self-Similarity	$F(1, 57) = 0.231, p = .633$	$F(1, 57) = 110.835, p < .001^\ddagger$	$F(1, 57) = 0.986, p = .325$
<b>Eeriness</b>			
UVI Eeriness	$F(1, 57) = 0.265, p = .609$	$F(1, 57) = 1.980, p = .165$	$F(1, 57) = 1.532, p = .221$

Table 2: Results of the calculated  $2 \times 2 \times 2$  mixed ANOVAs or ANOVA-type statistics (marked with <sup>np</sup>) of the main and interaction effects of the factors motor control, self-similarity, and gender for both body weight perception tasks. Statistical significance indicators: \*  $p < 0.05$ ; †  $p < 0.01$ ; ‡  $p < 0.001$ .

	Passive Estimation Task (PET)		Active Modification Task (AMT)	
	Misestimation $\bar{M}$ in %	Misestimation $\bar{A}$ in %	Current Body Weight in %	Ideal Body Weight in %
<b>Main Effect</b>				
Motor Control	$F(1, 55) = 0.534, p = .468$	$F(1, 55) = 0.569, p = .454$	$F(1, 55) = 0.083, p = .775$	$F(1, 55) = 0.230, p = .633$
Self-Similarity	$F(1, 55) = 13.132, p < .001^\ddagger$	$F(1, 55) = 15.691, p < .001^\ddagger$	$F(1, 55) = 8.223, p = .006^\dagger$	$F(1, 55) = 1.782, p = .187$
Gender	$F(1, 55) = 5.653, p = .021^*$	$F(1, 55) = 2.143, p = .149$	$F(1, 55) = 11.185, p = .001^\dagger$	$F(1, 55) = 2.920, p = .093$
<b>Interaction Effect</b>				
Motor Control x Self-Similarity	$F(1, 55) = 0.797, p = .376$	$F(1, 55) = 0.157, p = .693$	$F(1, 55) = 0.131, p = .719$	$F(1, 55) = 4.212, p = .045^*$
Motor Control x Gender	$F(1, 55) = 0.001, p = .974$	$F(1, 55) = 0.223, p = .639$	$F(1, 55) = 0.112, p = .728$	$F(1, 55) = 0.120, p = .730$
Self-Similarity x Gender	$F(1) = 1.778^{np}, p = .182$	$F(1, 55) = 10.573, p = .002^*$	$F(1, 55) = 0.255, p = .615$	$F(1, 55) = 0.197, p = .659$
Motor Control x Self-Similarity x Gender	$F(1, 55) = 0.043, p = .837$	$F(1, 55) = 0.040, p = .843$	$F(1, 55) = 0.324, p = .571$	$F(1, 55) = 0.020, p = .889$