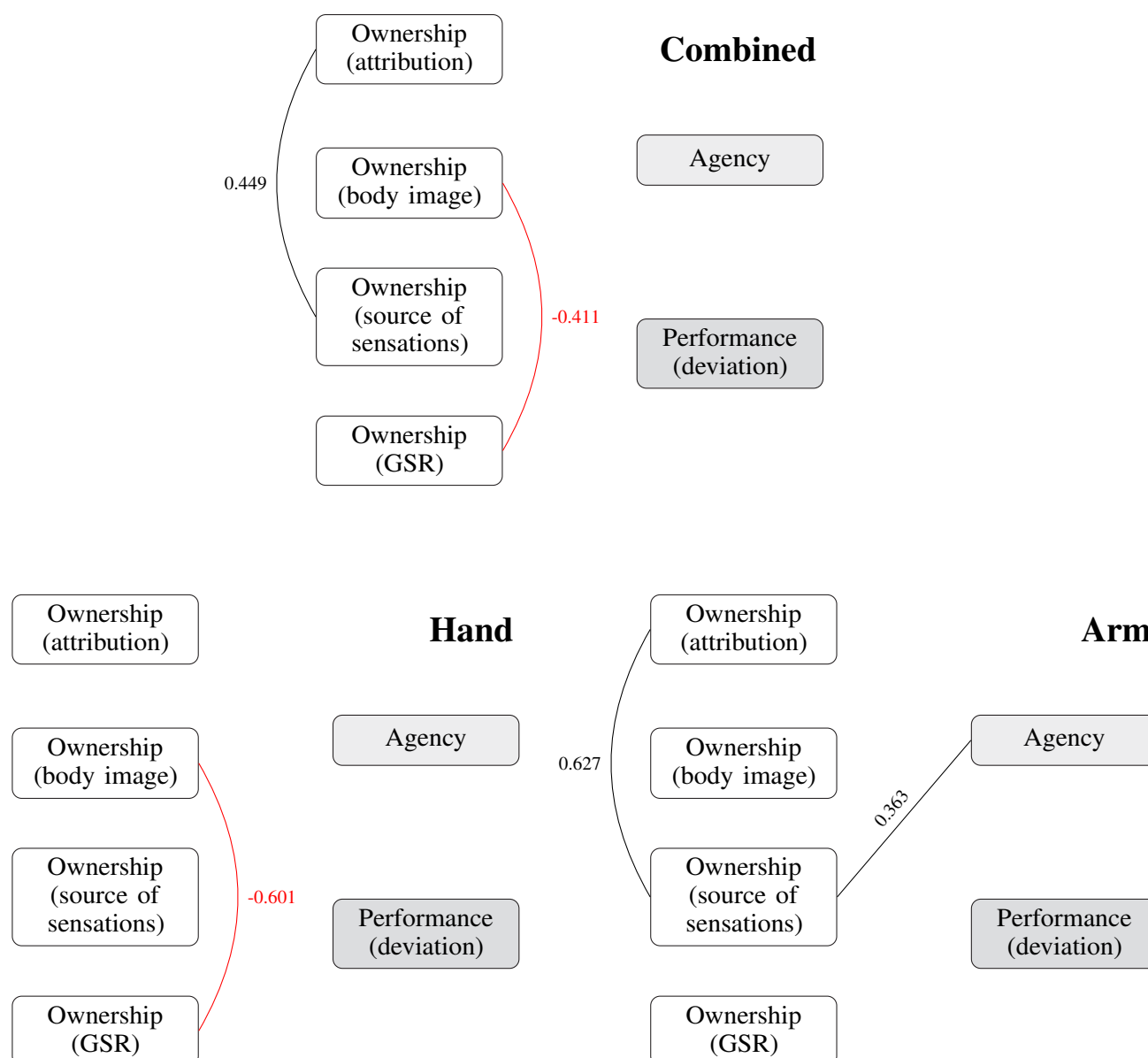


## Supplementary Material

**Table S1.** Participant comments, separated into individual statements and grouped into categories.

<i>Category</i>	<i>Statement</i>	<i>Frequency</i>
Hand rotation	unpleasant that hand in <i>Hand</i> did not rotate	2
	unpleasant that hand in <i>Arm</i> did not rotate	2
	hand in <i>Arm</i> had a different orientation than mine	2
	pleasant that hand in <i>Hand</i> did not rotate	1
Depth	difficult to see depth in <i>Hand</i>	3
	difficult to see depth in <i>Arm</i>	4
Embodiment	no ownership in <i>Hand</i>	2
	no ownership in <i>Arm</i>	3
	hand in <i>Hand</i> was a cursor	1
Movement	movement in <i>Arm</i> was different than mine	12
	movement in <i>Arm</i> was more difficult than in <i>Hand</i>	13
	movement in <i>Hand</i> was more difficult than in <i>Arm</i>	1
	movement in <i>Arm</i> was more sensitive	1
	pleasant that the hand in <i>Hand</i> had no hinges	2
Appearance	arm and hand in <i>Arm</i> had strange appearance	3
	hand in <i>Hand</i> had strange appearance	2
Visual presence	absence of arm in <i>Hand</i> did not matter	1
	presence of arm in <i>Arm</i> was pleasant	1
	arm occupied too much of my view	3
	arm occupying my view did not matter in regards to controlling it	1
	real right hand not always in view so did not feel like three hands	1
Experiment	it was tiring	2
	meta statement on setup or execution	7



**Figure S1.** Maps of all significant correlations with corresponding correlation coefficients for each of the four statistical approaches: **Combined** Spearman correlation on combined data, **Hand** Spearman correlation on *Hand* data, **Arm** Spearman correlation on *Arm* data. The red lines indicate a correlation direction opposite to hypothesized.

**Table S2.** Alternative statistical approaches to the correlation analysis. Column *Combined* corresponds to the Spearman correlation on the combined data (not repeated measures), and *Hand* and *Arm* to the Spearman correlation on the data split by condition; in the *Arm* column the GSR-Perf. pair uses a Pearson correlation. Fields marked by a (-) indicate that the corresponding pair violated the monotonicity assumption. Statistically significant correlations (one-tailed) are marked by a (\*) and marginally significant correlations by a (●).

Measure(s)	Pair	Combined	Hand	Arm
Ownership	Q1-Q2	-	-	-
	Q1-Q3	$\rho = 0.449$ $p = 0.001^*$ $N = 46$	$\rho = 0.192$ $p = 0.190$ $N = 23$	$\rho = 0.627$ $p = 0.001^*$ $N = 23$
	Q2-Q3	-	-	-
	Q1-GSR	$\rho = 0.024$ $p = 0.439$ $N = 42$	-	-
	Q2-GSR	$\rho = -0.411$ $p = 0.003^*$ $N = 42$	$\rho = -0.601$ $p = 0.002^*$ $N = 21$	$\rho = -0.279$ $p = 0.111$ $N = 21$
	Q3-GSR	-	-	-
Own. - Age.	Q1-Q4	-	-	$\rho = 0.289$ $p = 0.091$ $N = 23$
	Q2-Q4	-	-	$\rho = 0.139$ $p = 0.264$ $N = 23$
	Q3-Q4	$\rho = 0.227$ $p = 0.065^\bullet$ $N = 46$	-	$\rho = 0.363$ $p = 0.044^*$ $N = 23$
	GSR-Q4	-	-	-
Own. - Perf.	Q1-Perf.	-	-	-
	Q2-Perf.	-	-	-
	Q3-Perf.	-	-	-
	GSR-Perf.	-	-	$r = -0.081$ $p = 0.363$ $N = 21$
Age. - Perf.	Q4-Perf.	-	-	-
Self-location	Q5-Q6	$\rho = 0.257$ $p = 0.042^*$ $N = 46$	-	$\rho = 0.634$ $p = 0.001^*$ $N = 23$
	Q5-Q7	$\rho = 0.518$ $p = 0.0001^*$ $N = 46$	-	
	Q6-Q7	-	-	