

A. Ball-on-bar task

Level 1	Mean bar tilt	-	-0.31 ^S	-	0.33 ^S	-0.11 ^S	0.12 ^S	0.26 ^S	-0.17 ^S	0.16 ^S
	Bar tilt standard deviation	-	-0.63 ^S	-	0.54 ^S	-0.17 ^S	0.13 ^S	0.05 ^S	-0.21 ^S	-0.01 ^S
	Bar length variability	-	-0.15 ^S	-	0.14 ^S	0.18 ^S	0.33 ^S	0.43 ^S	0.18 ^S	0.13 ^S
	Hand speed difference	-	-0.46 ^S	-	0.41 ^S	0.00 ^S	0.33 ^S	0.17 ^S	-0.07 ^S	0.11 ^S
	Hand speed peaks bias	-	-0.06 ^S	-	0.02 ^S	0.25 ^S	0.13 ^S	0.38 ^S	0.33 ^S	-0.47 ^S
	Hand path length bias	-	-0.47 ^S	-	0.54 ^S	-0.34 ^S	0.18 ^S	-0.05 ^S	-0.60 ^S	0.18 ^S
	Reaction time difference	-	-0.77 ^S	-	0.72 ^S	-0.45 ^S	-0.23 ^S	-0.11 ^S	-0.44 ^S	-0.33 ^S
Level 2	Mean bar tilt	-	-0.21 ^S	0.15 ^S	0.13 ^S	-0.08 ^S	-0.06 ^S	-0.04 ^S	-0.04 ^S	0.08 ^S
	Bar tilt standard deviation	-	-0.54 ^S	0.61 ^S	0.46 ^S	0.11 ^S	-0.03 ^S	0.03 ^S	-0.07 ^S	0.01 ^S
	Bar length variability	-	-0.12 ^S	0.44 ^S	0.13 ^S	0.28 ^S	0.26 ^S	0.40 ^S	0.27 ^S	0.22 ^S
	Hand speed difference	-	-0.63 ^S	0.38 ^S	0.58 ^S	-0.11 ^S	-0.23 ^S	0.11 ^S	-0.26 ^S	0.16 ^S
	Hand speed peaks bias	-	0.17 ^S	-0.18 ^S	-0.13 ^S	-0.05 ^S	0.03 ^S	0.48 ^S	0.12 ^S	-0.23 ^S
	Hand path length bias	-	-0.40 ^S	0.10 ^S	0.37 ^S	-0.15 ^S	-0.01 ^S	-0.23 ^S	-0.48 ^S	0.16 ^S

Targets complete

Drops

Time to target

Ball speed

Hand speed

Hand speed peaks

Hand speed

Hand speed peaks

Execution

DH

NDH

Unimanual

B. Object-hit task

Hand bias hits	-	-0.44 ^S	-0.35 ^S	0.06 ^S	-0.09 ^S	0.41 ^S	0.47 ^S	-0.75 ^S	-0.37 ^S	-0.20 ^S
Hand transition	-	0.20 ^S	0.29 ^S	-0.62 ^S	0.05 ^S	-0.43 ^S	-0.59 ^S	0.32 ^S	-0.02 ^S	0.13 ^S
Movement area bias	-	-0.24 ^S	-0.20 ^S	0.40 ^S	-0.02 ^S	0.27 ^S	0.42 ^S	-0.44 ^S	-0.47 ^S	-0.62 ^S
Hand speed bias	-	-0.46 ^S	-0.31 ^S	0.18 ^S	-0.19 ^S	0.28 ^S	0.34 ^S	-0.66 ^S	-0.65 ^S	-0.50 ^S
Hand selection overlap	-	-0.27 ^S	-0.16 ^S	-0.02 ^S	-0.24 ^S	0.32 ^S	0.41 ^S	-0.25 ^S	0.43 ^S	0.49 ^S

Target hits

Median error

Miss bias

Hits

Hand speed

Movement area

Hits

Hand speed

Movement area

Execution

DH

NDH

Unimanual

B. Circuit task

Bimanual coordination factor

-	0,24 ^S	0,03 ^S	-0,19 ^S
Error	Velocity	Skill	

Correlation Coefficient

