

Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	St_WL ~ 1 + Trial + Motion Condition + Task + Motion Condition:Task+(0+Trial ID)
AIC	-647.162
BIC	-570.302
LogLikel.	301.015
R-squared Marginal	0.805
R-squared Conditional	0.805
Converged	yes
Optimizer	bobyqa

Note. (Almost) singular fit. Maybe random coefficients variances are too small or correlations among them too large.
Note. boundary (singular) fit: see help('isSingular')

Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
Trial	0.135	1	88.0	0.715
Motion Condition	8.173	1	88.0	0.005
Task	369.275	1	88.0	< .001
Motion Condition * Task	4.535	1	88.0	0.036

Note. Satterthwaite method for degrees of freedom

Fixed Effects Parameter Estimates

Names	Effect	Estimate	SE	95% Confidence Interval		df	t	p
				Lower	Upper			
(Intercept)	(Intercept)	0.03949	7.38e-4	0.03804	0.04093	88.0	53.484	< .001
Trial	Trial	1.21e-4	3.30e-4	-5.26e-4	7.68e-4	88.0	0.367	0.715
Motion Condition1	NoMotion - Motion	-0.00422	0.00148	-0.00712	-0.00133	88.0	-2.859	0.005
Task1	Docking - Highway	-0.02840	0.00148	-0.03129	-0.02550	88.0	-19.217	< .001
Motion Condition1 * Task1	NoMotion - Motion * Docking - Highway	0.00633	0.00297	5.04e-4	0.01216	88.0	2.130	0.036

Random Components

Groups	Name	SD	Variance	ICC
ID	Trial	0.00000	0.00	
	Residual	0.00711	5.06e-5	

Note. Number of Obs: 93 , groups: ID 12

Post Hoc Tests

Post Hoc Comparisons - Motion Condition * Task

Comparison									
Motion Condition	Task		Motion Condition	Task	Difference	SE	t	df	Pbonferroni
Motion	Docking	-	NoMotion	Docking	0.00106	0.00219	0.484	60.2	1.000
Motion	Highway	-	Motion	Docking	0.03156	0.00215	14.682	87.5	< .001
Motion	Highway	-	NoMotion	Docking	0.03262	0.00220	14.819	56.0	< .001
Motion	Highway	-	NoMotion	Highway	0.00739	0.00212	3.480	51.4	0.006
NoMotion	Highway	-	Motion	Docking	0.02417	0.00215	11.250	36.4	< .001
NoMotion	Highway	-	NoMotion	Docking	0.02523	0.00211	11.933	87.4	< .001

Post Hoc Comparisons - Task

Comparison							
Task	Task	Difference	SE	t	df	Pbonferroni	
Highway	- Docking	0.0284	0.00152	18.7	86.6	< .001	

Post Hoc Comparisons - Motion Condition

Comparison							
Motion Condition		Motion Condition	Difference	SE	t	df	Pbonferroni
Motion	-	NoMotion	0.00422	0.00156	2.72	20.6	0.013