Resultados

Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+(1 | sujeto)
AIC	-3234.463
BIC	-2876.451
LogLikel.	1519.724
R-squared Marginal	0.157
R-squared Conditional	0.361
Converged	yes
Optimizer	bobyqa

[3]

Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
angulo	23.429	5	483	< .001
lados	0.429	3	483	0.732
angulo ✻ lados	0.730	15	483	0.754

Nota. Satterthwaite method for degrees of freedom

Fixed Effects Parameter Estimates

Names	Effect	Estimate	SE	95% Confidence Interval		df	t	p
				Lower	Upper			
(Intercept)	(Intercept)	0.00570	0.00135	0.00305	0.00834	21.0	4.2223	< .001
angulo1	hip_addu - ankle	-6.50e−4	0.00159	-0.00376	0.00246	483.0	-0.4092	0.683
angulo2	hip_flex - ankle	0.01309	0.00159	0.00997	0.01620	483.0	8.2373	< .001
angulo3	hip_rot - ankle	-5.93e−4	0.00159	-0.00371	0.00252	483.0	-0.3733	0.709
angulo4	knee - ankle	0.00273	0.00159	-3.83e−4	0.00584	483.0	1.7190	0.086
angulo5	subt - ankle	-6.90e−4	0.00159	-0.00380	0.00242	483.0	-0.4342	0.664
lados1	L-R - L-L	-3.30e−4	0.00130	-0.00287	0.00221	483.0	-0.2543	0.799
lados2	R-L - L-L	-0.00122	0.00130	-0.00376	0.00133	483.0	-0.9368	0.349
lados3	R-R - L-L	-0.00114	0.00130	-0.00368	0.00140	483.0	-0.8792	0.380
angulo1 ✻ lados1	hip_addu - ankle ✻ L-R - L-L	-0.00240	0.00449	-0.01121	0.00640	483.0	-0.5351	0.593
angulo2 ✻ lados1	hip_flex - ankle ✻ L-R - L-L	0.00668	0.00449	-0.00212	0.01549	483.0	1.4874	0.138
angulo3 ✻ lados1	hip_rot - ankle ✻ L-R - L-L	0.00196	0.00449	-0.00685	0.01077	483.0	0.4361	0.663
angulo4 ✻ lados1	knee - ankle ✻ L-R - L-L	0.00533	0.00449	-0.00347	0.01414	483.0	1.1874	0.236
angulo5 ✻ lados1	subt - ankle ✻ L-R - L-L	0.00238	0.00449	-0.00642	0.01119	483.0	0.5302	0.596
angulo1 ✻ lados2	hip_addu - ankle ✻ R-L - L-L	-3.96e−4	0.00449	-0.00920	0.00841	483.0	-0.0881	0.930
angulo2 ✻ lados2	hip_flex - ankle ✻ R-L - L-L	8.76e-4	0.00449	-0.00793	0.00968	483.0	0.1949	0.846
angulo3 ✻ lados2	hip_rot - ankle ✻ R-L - L-L	8.00e-4	0.00449	-0.00801	0.00961	483.0	0.1780	0.859
angulo4 ✻ lados2	knee - ankle ✻ R-L - L-L	0.00511	0.00449	-0.00369	0.01392	483.0	1.1377	0.256
angulo5 ✻ lados2	subt - ankle ✻ R-L - L-L	0.00151	0.00449	-0.00730	0.01031	483.0	0.3354	0.737
angulo1 ✻ lados3	hip_addu - ankle ✻ R-R - L-L	-0.00576	0.00449	-0.01456	0.00305	483.0	-1.2816	0.201
angulo2 ✻ lados3	hip_flex - ankle ✻ R-R - L-L	-0.00362	0.00449	-0.01243	0.00518	483.0	-0.8062	0.421
angulo3 ✻ lados3	hip_rot - ankle ✻ R-R - L-L	-9.32e−4	0.00449	-0.00974	0.00787	483.0	-0.2074	0.836
angulo4 ✻ lados3	knee - ankle ✻ R-R - L-L	2.82e-4	0.00449	-0.00852	0.00909	483.0	0.0627	0.950
angulo5 ✻ lados3	subt - ankle ✻ R-R - L-L	-4.45e−4	0.00449	-0.00925	0.00836	483.0	-0.0990	0.921

Random Components

Groups	Name	SD	Variance	ICC
sujeto	(Intercept)	0.00595	3.54e-5	0.242
Residual		0.01054	1.11e-4	

Nota. Number of Obs: 528 , groups: sujeto 22

Post Hoc Tests

Post Hoc Comparisons - angulo ✻ lados

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
ankle	L-L	-	ankle	L-R	0.00266	0.00318	0.83586	483	1.000	1.000
ankle	L-L	-	ankle	R-L	0.00253	0.00318	0.79679	483	1.000	1.000
ankle	L-L	-	ankle	R-R	-6.06e−4	0.00318	-0.19061	483	1.000	1.000
ankle	L-L	-	hip_addu	L-L	-0.00149	0.00318	-0.46886	483	1.000	1.000
ankle	L-L	-	hip_addu	L-R	0.00357	0.00318	1.12378	483	1.000	1.000
ankle	L-L	-	hip_addu	R-L	0.00144	0.00318	0.45251	483	1.000	1.000
ankle	L-L	-	hip_addu	R-R	0.00366	0.00318	1.15295	483	1.000	1.000
ankle	L-L	-	hip_flex	L-L	-0.01210	0.00318	-3.80889	483	0.043	0.037
ankle	L-L	-	hip_flex	L-R	-0.01613	0.00318	-5.07648	483	< .001	< .001
ankle	L-L	-	hip_flex	R-L	-0.01045	0.00318	-3.28774	483	0.299	0.231
ankle	L-L	-	hip_flex	R-R	-0.00908	0.00318	-2.85941	483	1.000	0.912
ankle	L-L	-	hip_rot	L-L	0.00105	0.00318	0.33042	483	1.000	1.000
ankle	L-L	-	hip_rot	L-R	0.00175	0.00318	0.54958	483	1.000	1.000
ankle	L-L	-	hip_rot	R-L	0.00278	0.00318	0.87547	483	1.000	1.000
ankle	L-L	-	hip_rot	R-R	0.00138	0.00318	0.43317	483	1.000	1.000
ankle	L-L	-	knee	L-L	-4.87e−5	0.00318	-0.01534	483	1.000	1.000
ankle	L-L	-	knee	L-R	-0.00273	0.00318	-0.85868	483	1.000	1.000
ankle	L-L	-	knee	R-L	-0.00263	0.00318	-0.82743	483	1.000	1.000
ankle	L-L	-	knee	R-R	-9.36e−4	0.00318	-0.29459	483	1.000	1.000
ankle	L-L	-	subt	L-L	0.00155	0.00318	0.48813	483	1.000	1.000
ankle	L-L	-	subt	L-R	0.00182	0.00318	0.57424	483	1.000	1.000
ankle	L-L	-	subt	R-L	0.00258	0.00318	0.81057	483	1.000	1.000
ankle	L-L	-	subt	R-R	0.00139	0.00318	0.43758	483	1.000	1.000
ankle	L-R	-	ankle	R-L	-1.24e−4	0.00318	-0.03906	483	1.000	1.000
ankle	L-R	-	ankle	R-R	-0.00326	0.00318	-1.02647	483	1.000	1.000
ankle	L-R	-	hip_addu	L-R	9.15e-4	0.00318	0.28792	483	1.000	1.000
ankle	L-R	-	hip_addu	R-L	-0.00122	0.00318	-0.38335	483	1.000	1.000
ankle	L-R	-	hip_addu	R-R	0.00101	0.00318	0.31709	483	1.000	1.000
ankle	L-R	-	hip_flex	L-R	-0.01878	0.00318	-5.91233	483	< .001	< .001
ankle	L-R	-	hip_flex	R-L	-0.01310	0.00318	-4.12360	483	0.012	0.011
ankle	L-R	-	hip_flex	R-R	-0.01174	0.00318	-3.69527	483	0.068	0.055
ankle	L-R	-	hip_rot	L-R	-9.10e−4	0.00318	-0.28628	483	1.000	1.000
ankle	L-R	-	hip_rot	R-L	1.26e-4	0.00318	0.03962	483	1.000	1.000
ankle	L-R	-	hip_rot	R-R	-0.00128	0.00318	-0.40268	483	1.000	1.000
ankle	L-R	-	knee	L-R	-0.00538	0.00318	-1.69453	483	1.000	1.000
ankle	L-R	-	knee	R-L	-0.00528	0.00318	-1.66329	483	1.000	1.000
ankle	L-R	-	knee	R-R	-0.00359	0.00318	-1.13045	483	1.000	1.000
ankle	L-R	-	subt	L-R	-8.31e−4	0.00318	-0.26162	483	1.000	1.000
ankle	L-R	-	subt	R-L	-8.03e−5	0.00318	-0.02528	483	1.000	1.000
ankle	L-R	-	subt	R-R	-0.00127	0.00318	-0.39827	483	1.000	1.000
ankle	R-L	-	ankle	R-R	-0.00314	0.00318	-0.98741	483	1.000	1.000
ankle	R-L	-	hip_addu	R-L	-0.00109	0.00318	-0.34429	483	1.000	1.000
ankle	R-L	-	hip_addu	R-R	0.00113	0.00318	0.35615	483	1.000	1.000
ankle	R-L	-	hip_flex	R-L	-0.01298	0.00318	-4.08453	483	0.014	0.012
ankle	R-L	-	hip_flex	R-R	-0.01162	0.00318	-3.65621	483	0.078	0.064
ankle	R-L	-	hip_rot	R-L	2.50e-4	0.00318	0.07868	483	1.000	1.000
ankle	R-L	-	hip_rot	R-R	-0.00116	0.00318	-0.36362	483	1.000	1.000
ankle	R-L	-	knee	R-L	-0.00516	0.00318	-1.62422	483	1.000	1.000
ankle	R-L	-	knee	R-R	-0.00347	0.00318	-1.09138	483	1.000	1.000

Post Hoc Comparisons - angulo ✻ lados

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
ankle	R-L	-	subt	R-L	4.38e-5	0.00318	0.01378	483	1.000	1.000
ankle	R-L	-	subt	R-R	-0.00114	0.00318	-0.35921	483	1.000	1.000
ankle	R-R	-	hip_addu	R-R	0.00427	0.00318	1.34356	483	1.000	1.000
ankle	R-R	-	hip_flex	R-R	-0.00848	0.00318	-2.66880	483	1.000	1.000
ankle	R-R	-	hip_rot	R-R	0.00198	0.00318	0.62378	483	1.000	1.000
ankle	R-R	-	knee	R-R	-3.30e−4	0.00318	-0.10398	483	1.000	1.000
ankle	R-R	-	subt	R-R	0.00200	0.00318	0.62819	483	1.000	1.000
hip_addu	L-L	-	ankle	L-R	0.00415	0.00318	1.30472	483	1.000	1.000
hip_addu	L-L	-	ankle	R-L	0.00402	0.00318	1.26566	483	1.000	1.000
hip_addu	L-L	-	ankle	R-R	8.84e-4	0.00318	0.27825	483	1.000	1.000
hip_addu	L-L	-	hip_addu	L-R	0.00506	0.00318	1.59264	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-L	0.00293	0.00318	0.92137	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-R	0.00515	0.00318	1.62181	483	1.000	1.000
hip_addu	L-L	-	hip_flex	L-L	-0.01061	0.00318	-3.34003	483	0.249	0.196
hip_addu	L-L	-	hip_flex	L-R	-0.01464	0.00318	-4.60761	483	0.001	0.001
hip_addu	L-L	-	hip_flex	R-L	-0.00896	0.00318	-2.81888	483	1.000	1.000
hip_addu	L-L	-	hip_flex	R-R	-0.00760	0.00318	-2.39055	483	1.000	1.000
hip_addu	L-L	-	hip_rot	L-L	0.00254	0.00318	0.79928	483	1.000	1.000
hip_addu	L-L	-	hip_rot	L-R	0.00324	0.00318	1.01844	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-L	0.00427	0.00318	1.34433	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-R	0.00287	0.00318	0.90203	483	1.000	1.000
hip_addu	L-L	-	knee	L-L	0.00144	0.00318	0.45352	483	1.000	1.000
hip_addu	L-L	-	knee	L-R	-0.00124	0.00318	-0.38981	483	1.000	1.000
hip_addu	L-L	-	knee	R-L	-0.00114	0.00318	-0.35857	483	1.000	1.000
hip_addu	L-L	-	knee	R-R	5.54e-4	0.00318	0.17427	483	1.000	1.000
hip_addu	L-L	-	subt	L-L	0.00304	0.00318	0.95699	483	1.000	1.000
hip_addu	L-L	-	subt	L-R	0.00331	0.00318	1.04310	483	1.000	1.000
hip_addu	L-L	-	subt	R-L	0.00406	0.00318	1.27944	483	1.000	1.000
hip_addu	L-L	-	subt	R-R	0.00288	0.00318	0.90644	483	1.000	1.000
hip_addu	L-R	-	ankle	R-L	-0.00104	0.00318	-0.32699	483	1.000	1.000
hip_addu	L-R	-	ankle	R-R	-0.00418	0.00318	-1.31439	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-L	-0.00213	0.00318	-0.67128	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-R	9.27e-5	0.00318	0.02916	483	1.000	1.000
hip_addu	L-R	-	hip_flex	L-R	-0.01970	0.00318	-6.20026	483	< .001	< .001
hip_addu	L-R	-	hip_flex	R-L	-0.01402	0.00318	-4.41152	483	0.003	0.003
hip_addu	L-R	-	hip_flex	R-R	-0.01266	0.00318	-3.98319	483	0.022	0.019
hip_addu	L-R	-	hip_rot	L-R	-0.00182	0.00318	-0.57420	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-L	-7.89e−4	0.00318	-0.24831	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-R	-0.00219	0.00318	-0.69061	483	1.000	1.000
hip_addu	L-R	-	knee	L-R	-0.00630	0.00318	-1.98246	483	1.000	1.000
hip_addu	L-R	-	knee	R-L	-0.00620	0.00318	-1.95121	483	1.000	1.000
hip_addu	L-R	-	knee	R-R	-0.00451	0.00318	-1.41837	483	1.000	1.000
hip_addu	L-R	-	subt	L-R	-0.00175	0.00318	-0.54954	483	1.000	1.000
hip_addu	L-R	-	subt	R-L	-9.95e−4	0.00318	-0.31321	483	1.000	1.000
hip_addu	L-R	-	subt	R-R	-0.00218	0.00318	-0.68620	483	1.000	1.000
hip_addu	R-L	-	ankle	R-R	-0.00204	0.00318	-0.64312	483	1.000	1.000
hip_addu	R-L	-	hip_addu	R-R	0.00223	0.00318	0.70044	483	1.000	1.000
hip_addu	R-L	-	hip_flex	R-L	-0.01188	0.00318	-3.74025	483	0.057	0.047
hip_addu	R-L	-	hip_flex	R-R	-0.01052	0.00318	-3.31192	483	0.275	0.215

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
hip_addu	R-L	-	hip_rot	R-L	0.00134	0.00318	0.42297	483	1.000	1.000
hip_addu	R-L	-	hip_rot	R-R	-6.14e−5	0.00318	-0.01933	483	1.000	1.000
hip_addu	R-L	-	knee	R-L	-0.00407	0.00318	-1.27993	483	1.000	1.000
hip_addu	R-L	-	knee	R-R	-0.00237	0.00318	-0.74710	483	1.000	1.000
hip_addu	R-L	-	subt	R-L	0.00114	0.00318	0.35807	483	1.000	1.000
hip_addu	R-L	-	subt	R-R	-4.74e−5	0.00318	-0.01492	483	1.000	1.000
hip_addu	R-R	-	hip_flex	R-R	-0.01275	0.00318	-4.01236	483	0.019	0.017
hip_addu	R-R	-	hip_rot	R-R	-0.00229	0.00318	-0.71977	483	1.000	1.000
hip_addu	R-R	-	knee	R-R	-0.00460	0.00318	-1.44754	483	1.000	1.000
hip_addu	R-R	-	subt	R-R	-0.00227	0.00318	-0.71536	483	1.000	1.000
hip_flex	L-L	-	ankle	L-R	0.01476	0.00318	4.64475	483	0.001	0.001
hip_flex	L-L	-	ankle	R-L	0.01463	0.00318	4.60568	483	0.001	0.001
hip_flex	L-L	-	ankle	R-R	0.01150	0.00318	3.61828	483	0.090	0.073
hip_flex	L-L	-	hip_addu	L-R	0.01567	0.00318	4.93267	483	< .001	< .001
hip_flex	L-L	-	hip_addu	R-L	0.01354	0.00318	4.26140	483	0.007	0.006
hip_flex	L-L	-	hip_addu	R-R	0.01576	0.00318	4.96184	483	< .001	< .001
hip_flex	L-L	-	hip_flex	L-R	-0.00403	0.00318	-1.26759	483	1.000	1.000
hip_flex	L-L	-	hip_flex	R-L	0.00166	0.00318	0.52115	483	1.000	1.000
hip_flex	L-L	-	hip_flex	R-R	0.00302	0.00318	0.94948	483	1.000	1.000
hip_flex	L-L	-	hip_rot	L-L	0.01315	0.00318	4.13931	483	0.011	0.010
hip_flex	L-L	-	hip_rot	L-R	0.01385	0.00318	4.35847	483	0.004	0.004
hip_flex	L-L	-	hip_rot	R-L	0.01488	0.00318	4.68436	483	0.001	< .001
hip_flex	L-L	-	hip_rot	R-R	0.01348	0.00318	4.24206	483	0.007	0.006
hip_flex	L-L	-	knee	L-L	0.01205	0.00318	3.79355	483	0.046	0.039
hip_flex	L-L	-	knee	L-R	0.00937	0.00318	2.95021	483	0.919	0.689
hip_flex	L-L	-	knee	R-L	0.00947	0.00318	2.98146	483	0.832	0.627
hip_flex	L-L	-	knee	R-R	0.01117	0.00318	3.51430	483	0.133	0.107
hip_flex	L-L	-	subt	L-L	0.01365	0.00318	4.29702	483	0.006	0.005
hip_flex	L-L	-	subt	L-R	0.01393	0.00318	4.38313	483	0.004	0.004
hip_flex	L-L	-	subt	R-L	0.01468	0.00318	4.61946	483	0.001	0.001
hip_flex	L-L	-	subt	R-R	0.01349	0.00318	4.24647	483	0.007	0.006
hip_flex	L-R	-	ankle	R-L	0.01866	0.00318	5.87327	483	< .001	< .001
hip_flex	L-R	-	ankle	R-R	0.01552	0.00318	4.88587	483	< .001	< .001
hip_flex	L-R	-	hip_addu	R-L	0.01757	0.00318	5.52898	483	< .001	< .001
hip_flex	L-R	-	hip_addu	R-R	0.01979	0.00318	6.22942	483	< .001	< .001
hip_flex	L-R	-	hip_flex	R-L	0.00568	0.00318	1.78874	483	1.000	1.000
hip_flex	L-R	-	hip_flex	R-R	0.00704	0.00318	2.21706	483	1.000	1.000
hip_flex	L-R	-	hip_rot	L-R	0.01787	0.00318	5.62605	483	< .001	< .001
hip_flex	L-R	-	hip_rot	R-L	0.01891	0.00318	5.95195	483	< .001	< .001
hip_flex	L-R	-	hip_rot	R-R	0.01750	0.00318	5.50965	483	< .001	< .001
hip_flex	L-R	-	knee	L-R	0.01340	0.00318	4.21780	483	0.008	0.007
hip_flex	L-R	-	knee	R-L	0.01350	0.00318	4.24905	483	0.007	0.006
hip_flex	L-R	-	knee	R-R	0.01519	0.00318	4.78189	483	< .001	< .001
hip_flex	L-R	-	subt	L-R	0.01795	0.00318	5.65072	483	< .001	< .001
hip_flex	L-R	-	subt	R-L	0.01870	0.00318	5.88705	483	< .001	< .001
hip_flex	L-R	-	subt	R-R	0.01752	0.00318	5.51406	483	< .001	< .001
hip_flex	R-L	-	ankle	R-R	0.00984	0.00318	3.09713	483	0.571	0.434
hip_flex	R-L	-	hip_addu	R-R	0.01411	0.00318	4.44069	483	0.003	0.003
hip_flex	R-L	-	hip_flex	R-R	0.00136	0.00318	0.42833	483	1.000	1.000

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
hip_flex	R-L	-	hip_rot	R-L	0.01323	0.00318	4.16321	483	0.010	0.009
hip_flex	R-L	-	hip_rot	R-R	0.01182	0.00318	3.72091	483	0.061	0.050
hip_flex	R-L	-	knee	R-L	0.00782	0.00318	2.46031	483	1.000	1.000
hip_flex	R-L	-	knee	R-R	0.00951	0.00318	2.99315	483	0.801	0.607
hip_flex	R-L	-	subt	R-L	0.01302	0.00318	4.09831	483	0.013	0.012
hip_flex	R-L	-	subt	R-R	0.01184	0.00318	3.72532	483	0.060	0.050
hip_flex	R-R	-	hip_rot	R-R	0.01046	0.00318	3.29258	483	0.294	0.228
hip_flex	R-R	-	knee	R-R	0.00815	0.00318	2.56482	483	1.000	1.000
hip_flex	R-R	-	subt	R-R	0.01047	0.00318	3.29699	483	0.290	0.226
hip_rot	L-L	-	ankle	L-R	0.00161	0.00318	0.50544	483	1.000	1.000
hip_rot	L-L	-	ankle	R-L	0.00148	0.00318	0.46638	483	1.000	1.000
hip_rot	L-L	-	ankle	R-R	-0.00166	0.00318	-0.52103	483	1.000	1.000
hip_rot	L-L	-	hip_addu	L-R	0.00252	0.00318	0.79337	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-L	3.88e-4	0.00318	0.12209	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-R	0.00261	0.00318	0.82253	483	1.000	1.000
hip_rot	L-L	-	hip_flex	L-R	-0.01718	0.00318	-5.40689	483	< .001	< .001
hip_rot	L-L	-	hip_flex	R-L	-0.01150	0.00318	-3.61816	483	0.091	0.073
hip_rot	L-L	-	hip_flex	R-R	-0.01013	0.00318	-3.18983	483	0.418	0.320
hip_rot	L-L	-	hip_rot	L-R	6.96e-4	0.00318	0.21916	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-L	0.00173	0.00318	0.54506	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-R	3.26e-4	0.00318	0.10276	483	1.000	1.000
hip_rot	L-L	-	knee	L-L	-0.00110	0.00318	-0.34575	483	1.000	1.000
hip_rot	L-L	-	knee	L-R	-0.00378	0.00318	-1.18909	483	1.000	1.000
hip_rot	L-L	-	knee	R-L	-0.00368	0.00318	-1.15784	483	1.000	1.000
hip_rot	L-L	-	knee	R-R	-0.00199	0.00318	-0.62500	483	1.000	1.000
hip_rot	L-L	-	subt	L-L	5.01e-4	0.00318	0.15772	483	1.000	1.000
hip_rot	L-L	-	subt	L-R	7.75e-4	0.00318	0.24383	483	1.000	1.000
hip_rot	L-L	-	subt	R-L	0.00153	0.00318	0.48016	483	1.000	1.000
hip_rot	L-L	-	subt	R-R	3.40e-4	0.00318	0.10717	483	1.000	1.000
hip_rot	L-R	-	ankle	R-L	7.85e-4	0.00318	0.24722	483	1.000	1.000
hip_rot	L-R	-	ankle	R-R	-0.00235	0.00318	-0.74019	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-L	-3.08e−4	0.00318	-0.09707	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-R	0.00192	0.00318	0.60337	483	1.000	1.000
hip_rot	L-R	-	hip_flex	R-L	-0.01219	0.00318	-3.83732	483	0.039	0.033
hip_rot	L-R	-	hip_flex	R-R	-0.01083	0.00318	-3.40899	483	0.195	0.155
hip_rot	L-R	-	hip_rot	R-L	0.00104	0.00318	0.32590	483	1.000	1.000
hip_rot	L-R	-	hip_rot	R-R	-3.70e−4	0.00318	-0.11640	483	1.000	1.000
hip_rot	L-R	-	knee	L-R	-0.00447	0.00318	-1.40825	483	1.000	1.000
hip_rot	L-R	-	knee	R-L	-0.00437	0.00318	-1.37701	483	1.000	1.000
hip_rot	L-R	-	knee	R-R	-0.00268	0.00318	-0.84417	483	1.000	1.000
hip_rot	L-R	-	subt	L-R	7.84e-5	0.00318	0.02467	483	1.000	1.000
hip_rot	L-R	-	subt	R-L	8.29e-4	0.00318	0.26100	483	1.000	1.000
hip_rot	L-R	-	subt	R-R	-3.56e−4	0.00318	-0.11199	483	1.000	1.000
hip_rot	R-L	-	ankle	R-R	-0.00339	0.00318	-1.06608	483	1.000	1.000
hip_rot	R-L	-	hip_addu	R-R	8.82e-4	0.00318	0.27747	483	1.000	1.000
hip_rot	R-L	-	hip_flex	R-R	-0.01187	0.00318	-3.73488	483	0.058	0.048
hip_rot	R-L	-	hip_rot	R-R	-0.00141	0.00318	-0.44230	483	1.000	1.000
hip_rot	R-L	-	knee	R-L	-0.00541	0.00318	-1.70290	483	1.000	1.000
hip_rot	R-L	-	knee	R-R	-0.00372	0.00318	-1.17006	483	1.000	1.000

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
hip_rot	R-L	-	subt	R-L	-2.06e−4	0.00318	-0.06490	483	1.000	1.000
hip_rot	R-L	-	subt	R-R	-0.00139	0.00318	-0.43789	483	1.000	1.000
hip_rot	R-R	-	knee	R-R	-0.00231	0.00318	-0.72776	483	1.000	1.000
hip_rot	R-R	-	subt	R-R	1.40e-5	0.00318	0.00441	483	1.000	1.000
knee	L-L	-	ankle	L-R	0.00270	0.00318	0.85120	483	1.000	1.000
knee	L-L	-	ankle	R-L	0.00258	0.00318	0.81213	483	1.000	1.000
knee	L-L	-	ankle	R-R	-5.57e−4	0.00318	-0.17527	483	1.000	1.000
knee	L-L	-	hip_addu	L-R	0.00362	0.00318	1.13912	483	1.000	1.000
knee	L-L	-	hip_addu	R-L	0.00149	0.00318	0.46785	483	1.000	1.000
knee	L-L	-	hip_addu	R-R	0.00371	0.00318	1.16829	483	1.000	1.000
knee	L-L	-	hip_flex	L-R	-0.01608	0.00318	-5.06114	483	< .001	< .001
knee	L-L	-	hip_flex	R-L	-0.01040	0.00318	-3.27240	483	0.315	0.242
knee	L-L	-	hip_flex	R-R	-0.00904	0.00318	-2.84407	483	1.000	0.952
knee	L-L	-	hip_rot	L-R	0.00179	0.00318	0.56492	483	1.000	1.000
knee	L-L	-	hip_rot	R-L	0.00283	0.00318	0.89081	483	1.000	1.000
knee	L-L	-	hip_rot	R-R	0.00142	0.00318	0.44851	483	1.000	1.000
knee	L-L	-	knee	L-R	-0.00268	0.00318	-0.84334	483	1.000	1.000
knee	L-L	-	knee	R-L	-0.00258	0.00318	-0.81209	483	1.000	1.000
knee	L-L	-	knee	R-R	-8.87e−4	0.00318	-0.27925	483	1.000	1.000
knee	L-L	-	subt	L-L	0.00160	0.00318	0.50347	483	1.000	1.000
knee	L-L	-	subt	L-R	0.00187	0.00318	0.58958	483	1.000	1.000
knee	L-L	-	subt	R-L	0.00262	0.00318	0.82591	483	1.000	1.000
knee	L-L	-	subt	R-R	0.00144	0.00318	0.45292	483	1.000	1.000
knee	L-R	-	ankle	R-L	0.00526	0.00318	1.65547	483	1.000	1.000
knee	L-R	-	ankle	R-R	0.00212	0.00318	0.66807	483	1.000	1.000
knee	L-R	-	hip_addu	R-L	0.00417	0.00318	1.31118	483	1.000	1.000
knee	L-R	-	hip_addu	R-R	0.00639	0.00318	2.01162	483	1.000	1.000
knee	L-R	-	hip_flex	R-L	-0.00772	0.00318	-2.42906	483	1.000	1.000
knee	L-R	-	hip_flex	R-R	-0.00636	0.00318	-2.00073	483	1.000	1.000
knee	L-R	-	hip_rot	R-L	0.00551	0.00318	1.73415	483	1.000	1.000
knee	L-R	-	hip_rot	R-R	0.00410	0.00318	1.29185	483	1.000	1.000
knee	L-R	-	knee	R-L	9.93e-5	0.00318	0.03125	483	1.000	1.000
knee	L-R	-	knee	R-R	0.00179	0.00318	0.56409	483	1.000	1.000
knee	L-R	-	subt	L-R	0.00455	0.00318	1.43292	483	1.000	1.000
knee	L-R	-	subt	R-L	0.00530	0.00318	1.66925	483	1.000	1.000
knee	L-R	-	subt	R-R	0.00412	0.00318	1.29626	483	1.000	1.000
knee	R-L	-	ankle	R-R	0.00202	0.00318	0.63682	483	1.000	1.000
knee	R-L	-	hip_addu	R-R	0.00629	0.00318	1.98037	483	1.000	1.000
knee	R-L	-	hip_flex	R-R	-0.00646	0.00318	-2.03198	483	1.000	1.000
knee	R-L	-	hip_rot	R-R	0.00401	0.00318	1.26060	483	1.000	1.000
knee	R-L	-	knee	R-R	0.00169	0.00318	0.53284	483	1.000	1.000
knee	R-L	-	subt	R-L	0.00520	0.00318	1.63800	483	1.000	1.000
knee	R-L	-	subt	R-R	0.00402	0.00318	1.26501	483	1.000	1.000
knee	R-R	-	subt	R-R	0.00233	0.00318	0.73217	483	1.000	1.000
subt	L-L	-	ankle	L-R	0.00110	0.00318	0.34773	483	1.000	1.000
subt	L-L	-	ankle	R-L	9.81e-4	0.00318	0.30866	483	1.000	1.000
subt	L-L	-	ankle	R-R	-0.00216	0.00318	-0.67874	483	1.000	1.000
subt	L-L	-	hip_addu	L-R	0.00202	0.00318	0.63565	483	1.000	1.000
subt	L-L	-	hip_addu	R-L	-1.13e−4	0.00318	-0.03562	483	1.000	1.000

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
subt	L-L	-	hip_addu	R-R	0.00211	0.00318	0.66481	483	1.000	1.000
subt	L-L	-	hip_flex	L-R	-0.01768	0.00318	-5.56461	483	< .001	< .001
subt	L-L	-	hip_flex	R-L	-0.01200	0.00318	-3.77587	483	0.049	0.041
subt	L-L	-	hip_flex	R-R	-0.01064	0.00318	-3.34754	483	0.243	0.192
subt	L-L	-	hip_rot	L-R	1.95e-4	0.00318	0.06145	483	1.000	1.000
subt	L-L	-	hip_rot	R-L	0.00123	0.00318	0.38734	483	1.000	1.000
subt	L-L	-	hip_rot	R-R	-1.75e−4	0.00318	-0.05496	483	1.000	1.000
subt	L-L	-	knee	L-R	-0.00428	0.00318	-1.34681	483	1.000	1.000
subt	L-L	-	knee	R-L	-0.00418	0.00318	-1.31556	483	1.000	1.000
subt	L-L	-	knee	R-R	-0.00249	0.00318	-0.78272	483	1.000	1.000
subt	L-L	-	subt	L-R	2.74e-4	0.00318	0.08611	483	1.000	1.000
subt	L-L	-	subt	R-L	0.00102	0.00318	0.32244	483	1.000	1.000
subt	L-L	-	subt	R-R	-1.61e−4	0.00318	-0.05055	483	1.000	1.000
subt	L-R	-	ankle	R-L	7.07e-4	0.00318	0.22255	483	1.000	1.000
subt	L-R	-	ankle	R-R	-0.00243	0.00318	-0.76485	483	1.000	1.000
subt	L-R	-	hip_addu	R-L	-3.87e−4	0.00318	-0.12174	483	1.000	1.000
subt	L-R	-	hip_addu	R-R	0.00184	0.00318	0.57870	483	1.000	1.000
subt	L-R	-	hip_flex	R-L	-0.01227	0.00318	-3.86198	483	0.035	0.030
subt	L-R	-	hip_flex	R-R	-0.01091	0.00318	-3.43365	483	0.179	0.142
subt	L-R	-	hip_rot	R-L	9.57e-4	0.00318	0.30123	483	1.000	1.000
subt	L-R	-	hip_rot	R-R	-4.48e−4	0.00318	-0.14107	483	1.000	1.000
subt	L-R	-	knee	R-L	-0.00445	0.00318	-1.40167	483	1.000	1.000
subt	L-R	-	knee	R-R	-0.00276	0.00318	-0.86883	483	1.000	1.000
subt	L-R	-	subt	R-L	7.51e-4	0.00318	0.23633	483	1.000	1.000
subt	L-R	-	subt	R-R	-4.34e−4	0.00318	-0.13666	483	1.000	1.000
subt	R-L	-	ankle	R-R	-0.00318	0.00318	-1.00119	483	1.000	1.000
subt	R-L	-	hip_addu	R-R	0.00109	0.00318	0.34237	483	1.000	1.000
subt	R-L	-	hip_flex	R-R	-0.01166	0.00318	-3.66999	483	0.074	0.061
subt	R-L	-	hip_rot	R-R	-0.00120	0.00318	-0.37740	483	1.000	1.000
subt	R-L	-	knee	R-R	-0.00351	0.00318	-1.10516	483	1.000	1.000
subt	R-L	-	subt	R-R	-0.00119	0.00318	-0.37299	483	1.000	1.000

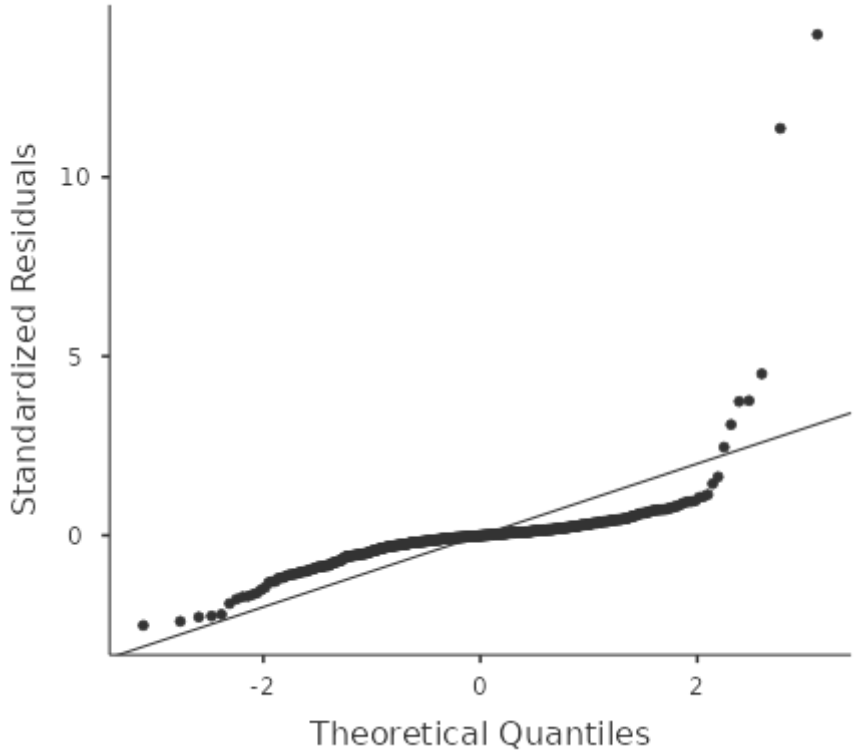
Note: Residuals plotted by sujeto

Assumption Checks

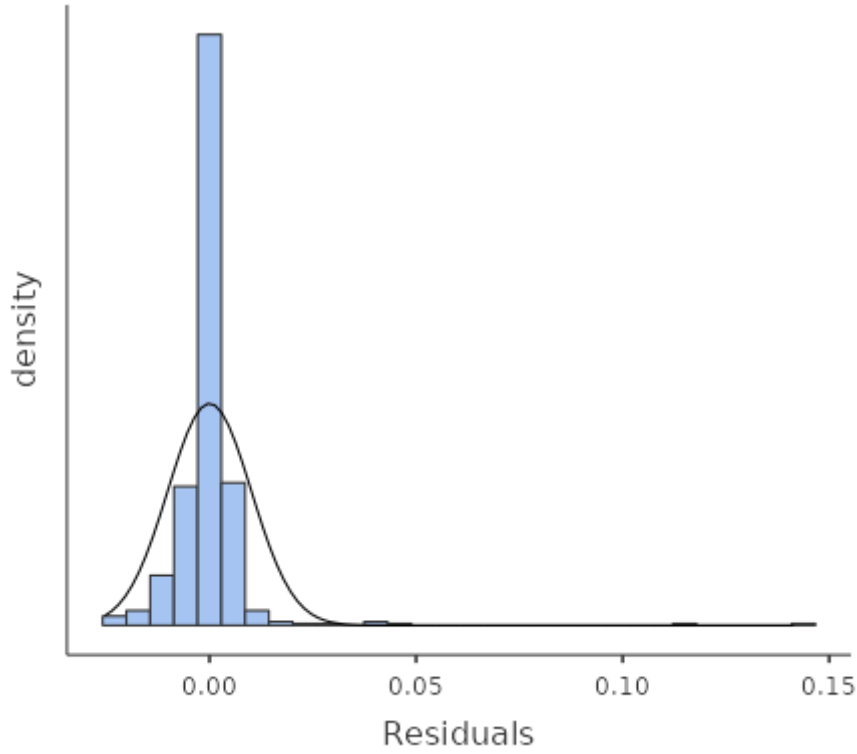
Test for Normality of residuals

Test	Statistics	p
Kolmogorov-Smirnov	0.232	< .001
Shapiro-Wilk	0.473	< .001

Q-Q Plot

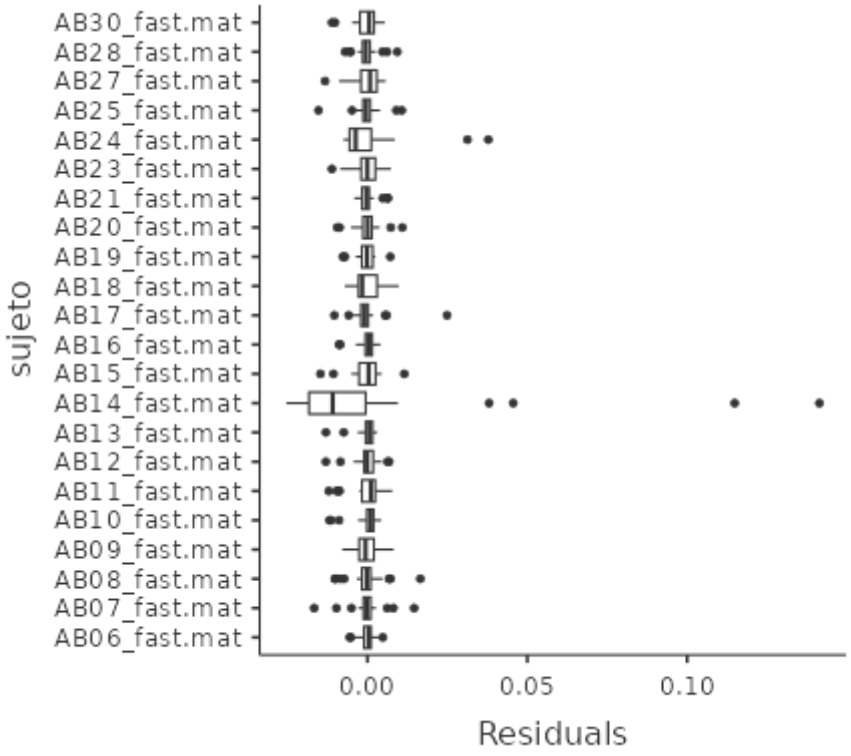


Residual histogram



Residuals by cluster boxplot

Clustering variable: sujeto



Referencias

[1] The jamovi project (2023). *jamovi*. (Version 2.4) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2022). *R: A Language and environment for statistical computing*. (Version 4.1) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from CRAN snapshot 2023-04-07).

[3] Gallucci, M. (2019). *GAMLj: General analyses for linear models*. [jamovi module]. Retrieved from https://gamlj.github.io/.