# Resultados

# **Mixed Model**

#### Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+( 1   sujeto )
AIC	-3905.676
BIC	-3517.154
LogLikel.	1840.075
R-squared Marginal	0.191
R-squared Conditional	0.347
Converged	yes
Optimizer	bobyqa

[3]

### **Model Results**

Fixed Effect Omnibus tests

	F	Num df	Den df	р
angulo	27.667	5	483	<.001
lados	0.281	3	483	0.839
angulo 🛠 lados	1.010	15	483	0.443

Nota. Satterthwaite method for degrees of freedom

	95% Confidence Interval							
Names	Effect	Estimate	SE	Lower	Upper	df	t	р
(Intercept)	(Intercept)	0.00358	6.33e-4	0.00234	0.00482	21.0	5.6562	< .001
angulo1	hip_addu - ankle	-6.64e-4	8.46e-4	-0.00232	9.94e-4	483.0	-0.7845	0.433
angulo2	hip_flex - ankle	0.00765	8.46e-4	0.00599	0.00931	483.0	9.0457	< .001
angulo3	hip_rot - ankle	3.19e-4	8.46e-4	-0.00134	0.00198	483.0	0.3775	0.706
angulo4	knee - ankle	0.00206	8.46e-4	3.98e-4	0.00371	483.0	2.4307	0.015
angulo5	subt - ankle	-2.37e-4	8.46e-4	-0.00189	0.00142	483.0	-0.2803	0.779
lados1	L-R - L-L	-5.37e-4	6.91e-4	-0.00189	8.16e-4	483.0	-0.7777	0.437
lados2	R-L - L-L	-1.12e-4	6.91e-4	-0.00147	0.00124	483.0	-0.1626	0.871
lados3	R-R - L-L	-4.50e-4	6.91e-4	-0.00180	9.04e-4	483.0	-0.6511	0.515
angulo1 <b>*</b> lados1	hip_addu - ankle <b>≭</b> L-R - L-L	0.00149	0.00239	-0.00320	0.00618	483.0	0.6220	0.534
angulo2 <b>*</b> lados1	hip_flex - ankle <b>*</b> L-R - L-L	0.00173	0.00239	-0.00296	0.00642	483.0	0.7229	0.470
angulo3 <b>*</b> lados1	hip_rot - ankle <b>*</b> L-R - L- L	0.00124	0.00239	-0.00345	0.00592	483.0	0.5165	0.606
angulo4 <b>*</b> lados1	knee - ankle * L-R - L-L	0.00462	0.00239	-6.93e-5	0.00931	483.0	1.9310	0.054
angulo5 🛠 lados1	subt - ankle <b>*</b> L-R - L-L	0.00198	0.00239	-0.00271	0.00667	483.0	0.8274	0.408
angulo1 <b>*</b> lados2	hip_addu - ankle <b>≭</b> R-L - L-L	0.00157	0.00239	-0.00312	0.00626	483.0	0.6565	0.512
angulo2 🛠 lados2	hip_flex - ankle <b>*</b> R-L - L-L	0.00465	0.00239	-3.84e-5	0.00934	483.0	1.9439	0.052
angulo3 🛠 lados2	hip_rot - ankle <b>*</b> R-L - L- L	2.29e-4	0.00239	-0.00446	0.00492	483.0	0.0959	0.924
angulo4 🛠 lados2	knee - ankle * R-L - L-L	0.00383	0.00239	-8.57e-4	0.00852	483.0	1.6019	0.110
angulo5 🛠 lados2	subt - ankle * R-L - L-L	6.02e-4	0.00239	-0.00409	0.00529	483.0	0.2518	0.801
angulo1 <b>*</b> lados3	hip_addu - ankle <b>≭</b> R-R - L-L	-7.42e-4	0.00239	-0.00543	0.00395	483.0	-0.3102	0.757
angulo2 <b>*</b> lados3	hip_flex - ankle <b>*</b> R-R - L-L	-0.00110	0.00239	-0.00579	0.00359	483.0	-0.4610	0.645
angulo3 <b>*</b> lados3	hip_rot - ankle <b>*</b> R-R - L- L	0.00107	0.00239	-0.00362	0.00575	483.0	0.4452	0.656
angulo4 <b>*</b> lados3	knee - ankle * R-R - L-L	7.50e-4	0.00239	-0.00394	0.00544	483.0	0.3137	0.754
angulo5 <b>*</b> lados3	subt - ankle * R-R - L-L	-4.03e-4	0.00239	-0.00509	0.00429	483.0	-0.1686	0.866

#### Random Components

Groups	Name	SD	Variance	ICC
sujeto Residual	(Intercept)	0.00274 0.00561	7.50e-6 3.15e-5	0.192

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

	Con	npa	rison							
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
ankle	L-L	-	ankle	L-R	0.00238	0.00169	1.40639	483	1.000	1.000
ankle	L-L	-	ankle	R-L	0.00193	0.00169	1.13881	483	1.000	1.000
ankle	L-L	-	ankle	R-R	3.77e-4	0.00169	0.22316	483	1.000	1.000
ankle	L-L	-	hip_addu	L-L	0.00124	0.00169	0.73460	483	1.000	1.000
ankle	L-L	-	hip_addu	L-R	0.00213	0.00169	1.26132	483	1.000	1.000
ankle	L-L	-	hip_addu	R-L	0.00160	0.00169	0.94501	483	1.000	1.000
ankle	L-L	-	hip_addu	R-R	0.00236	0.00169	1.39648	483	1.000	1.000
ankle	L-L	-	hip_flex	L-L	-0.00633	0.00169	-3.74298	483	0.056	0.045
ankle	L-L	-	hip_flex	L-R	-0.00568	0.00169	-3.35891	483	0.233	0.179
ankle	L-L	-	hip_flex	R-L	-0.00906	0.00169	-5.35327	483	<.001	< .001
ankle	L-L	_	hip_flex	R-R	-0.00485	0.00169	-2.86785	483	1.000	0.884
ankle	L-L	_	hip_rot	L-L	3.13e-4	0.00169	0.18520	483	1.000	1.000
ankle	L-L	_	hip_rot	L-R	0.00146	0.00169	0.86111	483	1.000	1.000
ankle	L-L	_	hip_rot	R-L	0.00201	0.00169	1.18841	483	1.000	1.000
ankle	L-L	_	hip_rot	R-R	-3.74e-4	0.00169	-0.22129	483	1.000	1.000
ankle	L-L	_	knee	L-L	2.45e-4	0.00169	0.14462	483	1.000	1.000
ankle	L-L	_	knee	L-R	-0.00200	0.00169	-1.17980	483	1.000	1.000
ankle	L-L	_	knee	R-L	-0.00166	0.00169	-0.98194	483	1.000	1.000
ankle	L-L	_	knee	R-R	-1.28e-4	0.00169	-0.07582	483	1.000	1.000
ankle	L-L	_	subt	L-L	7.82e-4	0.00169	0.46208	483	1.000	1.000
ankle	L-L	_	subt	L-R	0.00118	0.00169	0.69837	483	1.000	1.000
ankle	L-L	_	subt	R-L	0.00211	0.00169	1.24475	483	1.000	1.000
ankle	L-L	_	subt	R-R	0.00211	0.00169	0.92372	483	1.000	1.000
ankle	L-R	_	ankle	R-L	-4.53e-4	0.00169	-0.26758	483	1.000	1.000
ankle	L-R	_	ankle	R-R	-0.00200	0.00169	-1.18324	483	1.000	1.000
ankle	L-R	_	hip_addu	L-R	-2.45e-4	0.00169	-0.14507	483	1.000	1.000
ankle	L-R	_	hip_addu	R-L	-7.80e-4	0.00169	-0.46138	483	1.000	1.000
ankle	L-R	_	hip addu	R-R	-1.68e-5	0.00169	-0.40130	483	1.000	1.000
ankle	L-R	_	hip_flex	L-R	-0.00806	0.00169	-4.76530	483	<.001	<.001
ankle	L-R	_	hip_flex	R-L	-0.00300	0.00169	-6.75967	483	<.001	< .001
ankle	L-R	-	hip_flex	R-R	-0.01143	0.00169	-4.27424	483	0.006	0.001
ankle	L-R	-	hip_rot	L-R	-9.22e-4	0.00169	-0.54529	483	1.000	1.000
ankle	L-R L-R	-	hip_rot	R-L	-3.69e-4	0.00169	-0.34329	483	1.000	1.000
ankle	L-R L-R	-	hip_rot	R-L R-R	-0.00275	0.00169	-1.62768	483	1.000	1.000
ankle	L-R L-R		knee	L-R	-0.00273	0.00169	-2.58620	483	1.000	1.000
		-			-0.00437			483	1.000	1.000
ankle	L-R	-	knee	R-L		0.00169	-2.38833			
ankle	L-R	-	knee	R-R	-0.00251 -0.00120	0.00169	-1.48221	483	1.000	1.000
ankle	L-R	-	subt	L-R		0.00169	-0.70803	483	1.000	1.000
ankle	L-R	-	subt	R-L	-2.73e-4	0.00169	-0.16164	483	1.000	1.000
ankle	L-R	-	subt	R-R	-8.16e-4	0.00169	-0.48268	483	1.000	1.000
ankle	R-L	-	ankle	R-R	-0.00155	0.00169	-0.91566	483	1.000	1.000
ankle	R-L	-	hip_addu	R-L	-3.28e-4	0.00169	-0.19380	483	1.000	1.000
ankle	R-L	-	hip_addu	R-R	4.36e-4	0.00169	0.25766	483	1.000	1.000
ankle	R-L	-	hip_flex	R-L	-0.01098	0.00169	-6.49208	483	<.001	< .001
ankle	R-L	-	hip_flex	R-R	-0.00678	0.00169	-4.00666	483	0.020	0.016
ankle	R-L	-	hip_rot	R-L	8.39e-5	0.00169	0.04960	483	1.000	1.000
ankle	R-L	-	hip_rot	R-R	-0.00230	0.00169	-1.36010	483	1.000	1.000
ankle	R-L	-	knee	R-L	-0.00359	0.00169	-2.12075	483	1.000	1.000
ankle	R-L	-	knee	R-R	-0.00205	0.00169	-1.21463	483	1.000	1.000

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
ankle	R-L	-	subt	R-L	1.79e-4	0.00169	0.10594	483	1.000	1.000
ankle	R-L	-	subt	R-R	-3.64e-4	0.00169	-0.21510	483	1.000	1.000
ankle	R-R	-	hip_addu	R-R	0.00198	0.00169	1.17332	483	1.000	1.000
ankle	R-R	-	hip_flex	R-R	-0.00523	0.00169	-3.09101	483	0.582	0.439
ankle	R-R	-	hip_rot	R-R	-7.52e-4	0.00169	-0.44444	483	1.000	1.000
ankle	R-R	-	knee	R-R	-5.06e-4	0.00169	-0.29897	483	1.000	1.000
ankle	R-R	-	subt	R-R	0.00119	0.00169	0.70056	483	1.000	1.000
hip_addu	L-L	-	ankle	L-R	0.00114	0.00169	0.67179	483	1.000	1.000
hip_addu	L-L	-	ankle	R-L	6.84e-4	0.00169	0.40421	483	1.000	1.000
hip_addu	L-L	-	ankle	R-R	-8.65e-4	0.00169	-0.51145	483	1.000	1.000
hip_addu	L-L	-	hip_addu	L-R	8.91e-4	0.00169	0.52672	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-L	3.56e-4	0.00169	0.21041	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-R	0.00112	0.00169	0.66187	483	1.000	1.000
hip_addu	L-L	-	hip_flex	L-L	-0.00757	0.00169	-4.47758	483	0.003	0.002
hip_addu	L-L	-	hip_flex	L-R	-0.00692	0.00169	-4.09351	483	0.014	0.012
hip_addu	L-L	-	hip_flex	R-L	-0.01030	0.00169	-6.08787	483	<.001	< .001
hip_addu	L-L	-	hip_flex	R-R	-0.00609	0.00169	-3.60245	483	0.096	0.076
hip_addu	L-L	-	hip_rot	L-L	-9.29e-4	0.00169	-0.54940	483	1.000	1.000
hip_addu	L-L	-	hip_rot	L-R	2.14e-4	0.00169	0.12651	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-L	7.68e-4	0.00169	0.45381	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-R	-0.00162	0.00169	-0.95589	483	1.000	1.000
hip_addu	L-L	-	knee	L-L	-9.98e-4	0.00169	-0.58998	483	1.000	1.000
hip_addu	L-L	-	knee	L-R	-0.00324	0.00169	-1.91441	483	1.000	1.000
hip_addu	L-L	-	knee	R-L	-0.00290	0.00169	-1.71654	483	1.000	1.000
hip_addu	L-L	-	knee	R-R	-0.00137	0.00169	-0.81042	483	1.000	1.000
hip_addu	L-L	-	subt	L-L	-4.61e-4	0.00169	-0.27253	483	1.000	1.000
hip_addu	L-L	-	subt	L-R	-6.13e-5	0.00169	-0.03624	483	1.000	1.000
hip_addu	L-L	-	subt	R-L	8.63e-4	0.00169	0.51015	483	1.000	1.000
hip_addu	L-L	-	subt	R-R	3.20e-4	0.00169	0.18911	483	1.000	1.000
hip_addu	L-R	-	ankle	R-L	-2.07e-4	0.00169	-0.12251	483	1.000	1.000
hip_addu	L-R	-	ankle	R-R	-0.00176	0.00169	-1.03816	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-L	-5.35e-4	0.00169	-0.31631	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-R	2.29e-4	0.00169	0.13516	483	1.000	1.000
hip_addu	L-R	-	hip_flex	L-R	-0.00782	0.00169	-4.62023	483	0.001	0.001
hip_addu	L-R	-	hip_flex	R-L	-0.01119	0.00169	-6.61459	483	<.001	< .001
hip_addu	L-R	-	hip_flex	R-R	-0.00698	0.00169	-4.12917	483	0.012	0.010
hip_addu	L-R	-	hip_rot	L-R	-6.77e-4	0.00169	-0.40021	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-L	-1.23e-4	0.00169	-0.07291	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-R	-0.00251	0.00169	-1.48261	483	1.000	1.000
hip_addu	L-R	-	knee	L-R	-0.00413	0.00169	-2.44113	483	1.000	1.000
hip_addu	L-R	-	knee	R-L	-0.00379	0.00169	-2.24326	483	1.000	1.000
hip_addu	L-R	-	knee	R-R	-0.00226	0.00169	-1.33714	483	1.000	1.000
hip_addu	L-R	-	subt	L-R	-9.52e-4	0.00169	-0.56296	483	1.000	1.000
hip_addu	L-R	-	subt	R-L	-2.80e-5	0.00169	-0.01657	483	1.000	1.000
hip_addu	L-R	-	subt	R-R	-5.71e-4	0.00169	-0.33761	483	1.000	1.000
hip_addu	R-L	-	ankle	R-R	-0.00122	0.00169	-0.72185	483	1.000	1.000
hip_addu	R-L	-	hip_addu	R-R	7.64e-4	0.00169	0.45147	483	1.000	1.000
hip_addu	R-L	-	hip_flex	R-L	-0.01065	0.00169	-6.29828	483	<.001	< .001
hip_addu	R-L	-	hip_flex	R-R	-0.00645	0.00169	-3.81286	483	0.043	0.035
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Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
hip_addu	R-L	-	hip_rot	R-L	4.12e-4	0.00169	0.24340	483	1.000	1.000
hip_addu	R-L	-	hip_rot	R-R	-0.00197	0.00169	-1.16630	483	1.000	1.000
hip_addu	R-L	-	knee	R-L	-0.00326	0.00169	-1.92695	483	1.000	1.000
hip_addu	R-L	-	knee	R-R	-0.00173	0.00169	-1.02083	483	1.000	1.000
hip_addu	R-L	-	subt	R-L	5.07e-4	0.00169	0.29974	483	1.000	1.000
hip_addu	R-L	-	subt	R-R	-3.60e-5	0.00169	-0.02130	483	1.000	1.000
hip_addu	R-R	-	hip_flex	R-R	-0.00721	0.00169	-4.26433	483	0.007	0.006
hip_addu	R-R	-	hip_rot	R-R	-0.00274	0.00169	-1.61776	483	1.000	1.000
hip_addu	R-R	-	knee	R-R	-0.00249	0.00169	-1.47229	483	1.000	1.000
hip_addu	R-R	-	subt	R-R	-8.00e-4	0.00169	-0.47276	483	1.000	1.000
hip_flex	L-L	-	ankle	L-R	0.00871	0.00169	5.14937	483	< .001	< .001
hip_flex	L-L	-	ankle	R-L	0.00826	0.00169	4.88179	483	< .001	< .001
hip_flex	L-L	-	ankle	R-R	0.00671	0.00169	3.96613	483	0.023	0.019
hip_flex	L-L	-	hip_addu	L-R	0.00847	0.00169	5.00430	483	< .001	< .001
hip_flex	L-L	-	hip_addu	R-L	0.00793	0.00169	4.68799	483	< .001	< .001
hip_flex	L-L	-	hip_addu	R-R	0.00869	0.00169	5.13945	483	< .001	< .001
hip_flex	L-L	-	hip_flex	L-R	6.50e-4	0.00169	0.38407	483	1.000	1.000
hip_flex	L-L	-	hip_flex	R-L	-0.00272	0.00169	-1.61029	483	1.000	1.000
hip_flex	L-L	-	hip_flex	R-R	0.00148	0.00169	0.87513	483	1.000	1.000
hip_flex	L-L	-	hip_rot	L-L	0.00664	0.00169	3.92818	483	0.027	0.022
hip_flex	L-L	-	hip_rot	L-R	0.00779	0.00169	4.60409	483	0.001	0.001
hip_flex	L-L	-	hip_rot	R-L	0.00834	0.00169	4.93139	483	< .001	< .001
hip_flex	L-L	-	hip_rot	R-R	0.00596	0.00169	3.52169	483	0.130	0.100
hip_flex	L-L	-	knee	L-L	0.00658	0.00169	3.88760	483	0.032	0.026
hip_flex	L-L	-	knee	L-R	0.00434	0.00169	2.56317	483	1.000	1.000
hip_flex	L-L	-	knee	R-L	0.00467	0.00169	2.76104	483	1.000	1.000
hip_flex	L-L	-	knee	R-R	0.00620	0.00169	3.66716	483	0.075	0.060
hip_flex	L-L	-	subt	L-L	0.00711	0.00169	4.20505	483	0.009	0.007
hip_flex	L-L	-	subt	L-R	0.00751	0.00169	4.44134	483	0.003	0.003
hip_flex	L-L	-	subt	R-L	0.00844	0.00169	4.98773	483	< .001	< .001
hip_flex	L-L	-	subt	R-R	0.00789	0.00169	4.66669	483	0.001	< .001
hip_flex	L-R	-	ankle	R-L	0.00761	0.00169	4.49772	483	0.002	0.002
hip_flex	L-R	-	ankle	R-R	0.00606	0.00169	3.58207	483	0.104	0.081
hip_flex	L-R	-	hip_addu	R-L	0.00728	0.00169	4.30392	483	0.006	0.005
hip_flex	L-R	-	hip_addu	R-R	0.00804	0.00169	4.75539	483	< .001	< .001
hip_flex	L-R	-	hip_flex	R-L	-0.00337	0.00169	-1.99436	483	1.000	1.000
hip_flex	L-R	-	hip_flex	R-R	8.31e-4	0.00169	0.49106	483	1.000	1.000
hip_flex	L-R	-	hip_rot	L-R	0.00714	0.00169	4.22002	483	0.008	0.007
hip_flex	L-R	-	hip_rot	R-L	0.00769	0.00169	4.54732	483	0.002	0.002
hip_flex	L-R	-	hip_rot	R-R	0.00531	0.00169	3.13762	483	0.499	0.378
hip_flex	L-R	-	knee	L-R	0.00369	0.00169	2.17910	483	1.000	1.000
hip_flex	L-R	-	knee	R-L	0.00402	0.00169	2.37697	483	1.000	1.000
hip_flex	L-R	-	knee	R-R	0.00555	0.00169	3.28309	483	0.304	0.231
hip_flex	L-R	-	subt	L-R	0.00686	0.00169	4.05728	483	0.016	0.013
hip_flex	L-R	-	subt	R-L	0.00779	0.00169	4.60366	483	0.001	0.001
hip_flex	L-R	-	subt	R-R	0.00724	0.00169	4.28262	483	0.006	0.005
hip_flex	R-L	-	ankle	R-R	0.00943	0.00169	5.57643	483	<.001	< .001
hip_flex	R-L	-	hip_addu	R-R	0.01142	0.00169	6.74975	483	<.001	< .001
hip_flex	R-L	-	hip_flex	R-R	0.00420	0.00169	2.48542	483	1.000	1.000

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
hip_flex	R-L	-	hip_rot	R-L	0.01107	0.00169	6.54168	483	<.001	< .001
hip_flex	R-L	-	hip_rot	R-R	0.00868	0.00169	5.13198	483	< .001	< .001
hip_flex	R-L	-	knee	R-L	0.00739	0.00169	4.37133	483	0.004	0.004
hip_flex	R-L	-	knee	R-R	0.00893	0.00169	5.27745	483	< .001	< .001
hip_flex	R-L	-	subt	R-L	0.01116	0.00169	6.59802	483	< .001	< .001
hip_flex	R-L	-	subt	R-R	0.01062	0.00169	6.27699	483	< .001	< .001
hip_flex	R-R	-	hip_rot	R-R	0.00448	0.00169	2.64656	483	1.000	1.000
hip_flex	R-R	-	knee	R-R	0.00472	0.00169	2.79203	483	1.000	1.000
hip_flex	R-R	-	subt	R-R	0.00641	0.00169	3.79156	483	0.047	0.037
hip_rot	L-L	-	ankle	L-R	0.00207	0.00169	1.22119	483	1.000	1.000
hip_rot	L-L	-	ankle	R-L	0.00161	0.00169	0.95361	483	1.000	1.000
hip_rot	L-L	-	ankle	R-R	6.42e-5	0.00169	0.03795	483	1.000	1.000
hip_rot	L-L	-	hip_addu	L-R	0.00182	0.00169	1.07612	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-L	0.00129	0.00169	0.75981	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-R	0.00205	0.00169	1.21127	483	1.000	1.000
hip_rot	L-L	-	hip_flex	L-R	-0.00600	0.00169	-3.54411	483	0.119	0.093
hip_rot	L-L	-	hip_flex	R-L	-0.00937	0.00169	-5.53847	483	< .001	< .001
hip_rot	L-L	-	hip_flex	R-R	-0.00516	0.00169	-3.05305	483	0.660	0.495
hip_rot	L-L	-	hip_rot	L-R	0.00114	0.00169	0.67591	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-L	0.00170	0.00169	1.00321	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-R	-6.88e-4	0.00169	-0.40649	483	1.000	1.000
hip_rot	L-L	-	knee	L-L	-6.86e-5	0.00169	-0.04058	483	1.000	1.000
hip_rot	L-L	-	knee	L-R	-0.00231	0.00169	-1.36501	483	1.000	1.000
hip_rot	L-L	-	knee	R-L	-0.00197	0.00169	-1.16714	483	1.000	1.000
hip_rot	L-L	-	knee	R-R	-4.42e-4	0.00169	-0.26102	483	1.000	1.000
hip_rot	L-L	-	subt	L-L	4.68e-4	0.00169	0.27687	483	1.000	1.000
hip_rot	L-L	-	subt	L-R	8.68e-4	0.00169	0.51316	483	1.000	1.000
hip_rot	L-L	-	subt	R-L	0.00179	0.00169	1.05955	483	1.000	1.000
hip_rot	L-L	-	subt	R-R	0.00125	0.00169	0.73851	483	1.000	1.000
hip_rot	L-R	-	ankle	R-L	4.70e-4	0.00169	0.27770	483	1.000	1.000
hip_rot	L-R	-	ankle	R-R	-0.00108	0.00169	-0.63795	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-L	1.42e-4	0.00169	0.08390	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-R	9.06e-4	0.00169	0.53537	483	1.000	1.000
hip_rot	L-R	-	hip_flex	R-L	-0.01051	0.00169	-6.21438	483	< .001	< .001
hip_rot	L-R	-	hip_flex	R-R	-0.00631	0.00169	-3.72896	483	0.059	0.047
hip_rot	L-R	-	hip_rot	R-L	5.54e-4	0.00169	0.32730	483	1.000	1.000
hip_rot	L-R	-	hip_rot	R-R	-0.00183	0.00169	-1.08240	483	1.000	1.000
hip_rot	L-R	-	knee	L-R	-0.00345	0.00169	-2.04091	483	1.000	1.000
hip_rot	L-R	-	knee	R-L	-0.00312	0.00169	-1.84305	483	1.000	1.000
hip_rot	L-R	-	knee	R-R	-0.00158	0.00169	-0.93693	483	1.000	1.000
hip_rot	L-R	-	subt	L-R	-2.75e-4	0.00169	-0.16274	483	1.000	1.000
hip_rot	L-R	-	subt	R-L	6.49e-4	0.00169	0.38364	483	1.000	1.000
hip_rot	L-R	-	subt	R-R	1.06e-4	0.00169	0.06261	483	1.000	1.000
hip_rot	R-L	-	ankle	R-R	-0.00163	0.00169	-0.96526	483	1.000	1.000
hip_rot	R-L	-	hip_addu	R-R	3.52e-4	0.00169	0.20806	483	1.000	1.000
hip_rot	R-L	-	hip_flex	R-R	-0.00686	0.00169	-4.05626	483	0.016	0.013
hip_rot	R-L	-	hip_rot	R-R	-0.00238	0.00169	-1.40970	483	1.000	1.000
hip_rot	R-L	-	knee	R-L	-0.00367	0.00169	-2.17035	483	1.000	1.000
hip_rot	R-L	-	knee	R-R	-0.00214	0.00169	-1.26423	483	1.000	1.000

	Con	npa	rison							
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
hip_rot	R-L	-	subt	R-L	9.53e-5	0.00169	0.05634	483	1.000	1.000
hip_rot	R-L	-	subt	R-R	-4.48e-4	0.00169	-0.26470	483	1.000	1.000
hip_rot	R-R	-	knee	R-R	2.46e-4	0.00169	0.14547	483	1.000	1.000
hip_rot	R-R	-	subt	R-R	0.00194	0.00169	1.14500	483	1.000	1.000
knee	L-L	-	ankle	L-R	0.00213	0.00169	1.26177	483	1.000	1.000
knee	L-L	-	ankle	R-L	0.00168	0.00169	0.99419	483	1.000	1.000
knee	L-L	-	ankle	R-R	1.33e-4	0.00169	0.07853	483	1.000	1.000
knee	L-L	-	hip_addu	L-R	0.00189	0.00169	1.11670	483	1.000	1.000
knee	L-L	-	hip_addu	R-L	0.00135	0.00169	0.80039	483	1.000	1.000
knee	L-L	-	hip_addu	R-R	0.00212	0.00169	1.25185	483	1.000	1.000
knee	L-L	-	hip_flex	L-R	-0.00593	0.00169	-3.50353	483	0.139	0.107
knee	L-L	-	hip_flex	R-L	-0.00930	0.00169	-5.49789	483	< .001	< .001
knee	L-L	-	hip_flex	R-R	-0.00510	0.00169	-3.01247	483	0.753	0.562
knee	L-L	-	hip_rot	L-R	0.00121	0.00169	0.71648	483	1.000	1.000
knee	L-L	-	hip_rot	R-L	0.00177	0.00169	1.04379	483	1.000	1.000
knee	L-L	-	hip_rot	R-R	-6.19e-4	0.00169	-0.36591	483	1.000	1.000
knee	L-L	-	knee	L-R	-0.00224	0.00169	-1.32443	483	1.000	1.000
knee	L-L	-	knee	R-L	-0.00191	0.00169	-1.12656	483	1.000	1.000
knee	L-L	-	knee	R-R	-3.73e-4	0.00169	-0.22044	483	1.000	1.000
knee	L-L	-	subt	L-L	5.37e-4	0.00169	0.31745	483	1.000	1.000
knee	L-L	-	subt	L-R	9.37e-4	0.00169	0.55374	483	1.000	1.000
knee	L-L	-	subt	R-L	0.00186	0.00169	1.10013	483	1.000	1.000
knee	L-L	-	subt	R-R	0.00132	0.00169	0.77909	483	1.000	1.000
knee	L-R	-	ankle	R-L	0.00392	0.00169	2.31862	483	1.000	1.000
knee	L-R	-	ankle	R-R	0.00237	0.00169	1.40296	483	1.000	1.000
knee	L-R	-	hip_addu	R-L	0.00359	0.00169	2.12481	483	1.000	1.000
knee	L-R	-	hip_addu	R-R	0.00436	0.00169	2.57628	483	1.000	1.000
knee	L-R	-	hip_flex	R-L	-0.00706	0.00169	-4.17347	483	0.010	0.008
knee	L-R	-	hip_flex	R-R	-0.00286	0.00169	-1.68805	483	1.000	1.000
knee	L-R	-	hip_rot	R-L	0.00401	0.00169	2.36822	483	1.000	1.000
knee	L-R	-	hip_rot	R-R	0.00162	0.00169	0.95852	483	1.000	1.000
knee	L-R	-	knee	R-L	3.35e-4	0.00169	0.19786	483	1.000	1.000
knee	L-R	-	knee	R-R	0.00187	0.00169	1.10399	483	1.000	1.000
knee	L-R	-	subt	L-R	0.00318	0.00169	1.87817	483	1.000	1.000
knee	L-R	-	subt	R-L	0.00410	0.00169	2.42456	483	1.000	1.000
knee	L-R	-	subt	R-R	0.00356	0.00169	2.10352	483	1.000	1.000
knee	R-L	-	ankle	R-R	0.00204	0.00169	1.20510	483	1.000	1.000
knee	R-L	-	hip_addu	R-R	0.00402	0.00169	2.37842	483	1.000	1.000
knee	R-L	-	hip_flex	R-R	-0.00319	0.00169	-1.88591	483	1.000	1.000
knee	R-L	-	hip_rot	R-R	0.00129	0.00169	0.76065	483	1.000	1.000
knee	R-L	-	knee	R-R	0.00153	0.00169	0.90612	483	1.000	1.000
knee	R-L	-	subt	R-L	0.00377	0.00169	2.22669	483	1.000	1.000
knee	R-L	-	subt	R-R	0.00322	0.00169	1.90565	483	1.000	1.000
knee	R-R	-	subt	R-R	0.00169	0.00169	0.99953	483	1.000	1.000
subt	L-L	-	ankle	L-R	0.00160	0.00169	0.94432	483	1.000	1.000
subt	L-L	-	ankle	R-L	0.00114	0.00169	0.67674	483	1.000	1.000
subt	L-L	-	ankle	R-R	-4.04e-4	0.00169	-0.23892	483	1.000	1.000
subt	L-L	-	hip_addu	L-R	0.00135	0.00169	0.79925	483	1.000	1.000
subt	L-L	-	hip_addu	R-L	8.17e-4	0.00169	0.48294	483	1.000	1.000

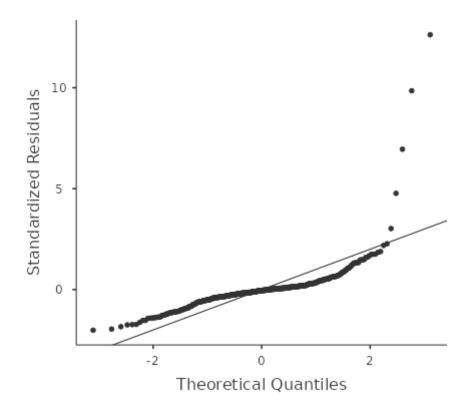
Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	p <sub>bonferroni</sub>	p <sub>holm</sub>
subt	L-L	-	hip_addu	R-R	0.00158	0.00169	0.93440	483	1.000	1.000
subt	L-L	-	hip_flex	L-R	-0.00646	0.00169	-3.82098	483	0.041	0.034
subt	L-L	-	hip_flex	R-L	-0.00984	0.00169	-5.81535	483	< .001	< .001
subt	L-L	-	hip_flex	R-R	-0.00563	0.00169	-3.32992	483	0.258	0.197
subt	L-L	-	hip_rot	L-R	6.75e-4	0.00169	0.39903	483	1.000	1.000
subt	L-L	-	hip_rot	R-L	0.00123	0.00169	0.72634	483	1.000	1.000
subt	L-L	-	hip_rot	R-R	-0.00116	0.00169	-0.68336	483	1.000	1.000
subt	L-L	-	knee	L-R	-0.00278	0.00169	-1.64188	483	1.000	1.000
subt	L-L	-	knee	R-L	-0.00244	0.00169	-1.44401	483	1.000	1.000
subt	L-L	-	knee	R-R	-9.10e-4	0.00169	-0.53789	483	1.000	1.000
subt	L-L	-	subt	L-R	4.00e-4	0.00169	0.23629	483	1.000	1.000
subt	L-L	-	subt	R-L	0.00132	0.00169	0.78268	483	1.000	1.000
subt	L-L	-	subt	R-R	7.81e-4	0.00169	0.46164	483	1.000	1.000
subt	L-R	-	ankle	R-L	7.45e-4	0.00169	0.44045	483	1.000	1.000
subt	L-R	-	ankle	R-R	-8.04e-4	0.00169	-0.47521	483	1.000	1.000
subt	L-R	-	hip_addu	R-L	4.17e-4	0.00169	0.24664	483	1.000	1.000
subt	L-R	-	hip_addu	R-R	0.00118	0.00169	0.69811	483	1.000	1.000
subt	L-R	-	hip_flex	R-L	-0.01024	0.00169	-6.05164	483	< .001	< .001
subt	L-R	-	hip_flex	R-R	-0.00603	0.00169	-3.56622	483	0.110	0.086
subt	L-R	-	hip_rot	R-L	8.29e-4	0.00169	0.49005	483	1.000	1.000
subt	L-R	-	hip_rot	R-R	-0.00156	0.00169	-0.91965	483	1.000	1.000
subt	L-R	-	knee	R-L	-0.00284	0.00169	-1.68031	483	1.000	1.000
subt	L-R	-	knee	R-R	-0.00131	0.00169	-0.77418	483	1.000	1.000
subt	L-R	-	subt	R-L	9.24e-4	0.00169	0.54639	483	1.000	1.000
subt	L-R	-	subt	R-R	3.81e-4	0.00169	0.22535	483	1.000	1.000
subt	R-L	-	ankle	R-R	-0.00173	0.00169	-1.02160	483	1.000	1.000
subt	R-L	-	hip_addu	R-R	2.57e-4	0.00169	0.15172	483	1.000	1.000
subt	R-L	-	hip_flex	R-R	-0.00696	0.00169	-4.11260	483	0.013	0.011
subt	R-L	-	hip_rot	R-R	-0.00248	0.00169	-1.46604	483	1.000	1.000
subt	R-L	-	knee	R-R	-0.00223	0.00169	-1.32057	483	1.000	1.000
subt	R-L	-	subt	R-R	-5.43e-4	0.00169	-0.32104	483	1.000	1.000

Note: Residuals plotted by sujeto

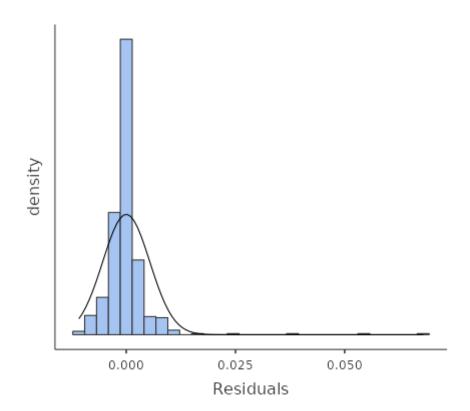
## **Assumption Checks**

Test for Normality of residuals

Test	Statistics	р
Kolmogorov-Smirnov	0.210	<.001
Shapiro-Wilk	0.572	<.001

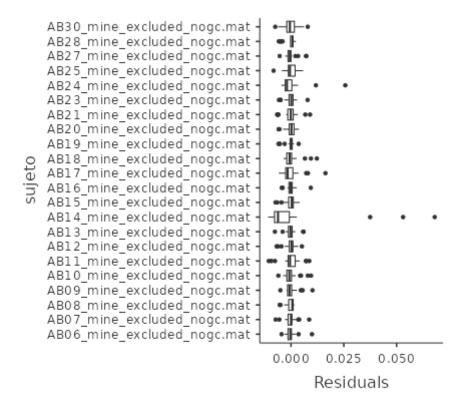


## Residual histogram



Residuals by cluster boxplot

Clustering variable: sujeto



### Referencias

[1] The jamovi project (2023). jamovi. (Version 2.4) [Computer Software]. Retrieved from <a href="https://www.jamovi.org">https://www.jamovi.org</a>.

[2] R Core Team (2022). R: A Language and environment for statistical computing. (Version 4.1) [Computer software]. Retrieved from <a href="https://cran.r-project.org">https://cran.r-project.org</a>. (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/.