Resultados

Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+(1 | sujeto)
AIC	-2459.125
BIC	-2136.355
LogLikel.	1149.676
R-squared Marginal	0.579
R-squared Conditional	0.671
Converged	yes
Optimizer	bobyqa

[3]

Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
angulo	151.55	5	483	< .001
lados	18.24	3	483	< .001
angulo ✻ lados	7.70	15	483	< .001

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)	0.02744	0.00266	0.02222	0.03266	21.0	10.3056	< .001
angulo1	hip_addu - ankle	-0.02082	0.00332	-0.02732	-0.01432	483.0	-6.2742	< .001
angulo2	hip_flex - ankle	0.04679	0.00332	0.04029	0.05330	483.0	14.1023	< .001
angulo3	hip_rot - ankle	-0.02330	0.00332	-0.02980	-0.01680	483.0	-7.0221	< .001
angulo4	knee - ankle	-0.02538	0.00332	-0.03188	-0.01887	483.0	-7.6482	< .001
angulo5	subt - ankle	-0.02815	0.00332	-0.03466	-0.02165	483.0	-8.4844	< .001
lados1	L-R - L-L	0.01208	0.00271	0.00677	0.01739	483.0	4.4598	< .001
lados2	R-L - L-L	0.01760	0.00271	0.01229	0.02291	483.0	6.4961	< .001
lados3	R-R - L-L	0.00270	0.00271	-0.00261	0.00801	483.0	0.9971	0.319
angulo1 ✻ lados1	hip_addu - ankle ✻ L-R - L-L	-0.04060	0.00939	-0.05899	-0.02220	483.0	-4.3256	< .001
angulo2 ✻ lados1	hip_flex - ankle ✻ L-R - L-L	-0.01155	0.00939	-0.02995	0.00684	483.0	-1.2311	0.219
angulo3 ✻ lados1	hip_rot - ankle ✻ L-R - L-L	-0.05162	0.00939	-0.07002	-0.03323	483.0	-5.5004	< .001
angulo4 ✻ lados1	knee - ankle ✻ L-R - L-L	-0.03839	0.00939	-0.05679	-0.02000	483.0	-4.0910	< .001
angulo5 ✻ lados1	subt - ankle ✻ L-R - L-L	-0.02924	0.00939	-0.04763	-0.01084	483.0	-3.1150	0.002
angulo1 ✻ lados2	hip_addu - ankle ✻ R-L - L-L	-0.03550	0.00939	-0.05390	-0.01711	483.0	-3.7826	< .001
angulo2 ✻ lados2	hip_flex - ankle ✻ R-L - L-L	0.00960	0.00939	-0.00880	0.02799	483.0	1.0228	0.307
angulo3 ✻ lados2	hip_rot - ankle ✻ R-L - L-L	-0.05274	0.00939	-0.07113	-0.03434	483.0	-5.6191	< .001
angulo4 ✻ lados2	knee - ankle ✻ R-L - L-L	-0.04110	0.00939	-0.05949	-0.02270	483.0	-4.3789	< .001
angulo5 ✻ lados2	subt - ankle ✻ R-L - L-L	-0.03604	0.00939	-0.05443	-0.01764	483.0	-3.8398	< .001
angulo1 ✻ lados3	hip_addu - ankle ✻ R-R - L-L	0.00476	0.00939	-0.01364	0.02315	483.0	0.5067	0.613
angulo2 ✻ lados3	hip_flex - ankle ✻ R-R - L-L	0.00284	0.00939	-0.01555	0.02124	483.0	0.3027	0.762
angulo3 ✻ lados3	hip_rot - ankle ✻ R-R - L-L	-0.00175	0.00939	-0.02015	0.01664	483.0	-0.1868	0.852
angulo4 ✻ lados3	knee - ankle ✻ R-R - L-L	-3.90e−4	0.00939	-0.01878	0.01800	483.0	-0.0416	0.967
angulo5 ✻ lados3	subt - ankle ✻ R-R - L-L	-0.00249	0.00939	-0.02089	0.01590	483.0	-0.2656	0.791

Random Components

Groups	Name	SD	Variance	ICC
sujeto	(Intercept)	0.0117	1.36e-4	0.219
Residual		0.0220	4.84e-4	

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

Post Hoc Tests

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
ankle	L-L	-	ankle	L-R	-0.04065	0.00664	-6.12534	483	< .001	< .001
ankle	L-L	-	ankle	R-L	-0.04356	0.00664	-6.56411	483	< .001	< .001
ankle	L-L	-	ankle	R-R	-0.00221	0.00664	-0.33273	483	1.000	1.000
ankle	L-L	-	hip_addu	L-L	0.00298	0.00664	0.44956	483	1.000	1.000
ankle	L-L	-	hip_addu	L-R	0.00293	0.00664	0.44154	483	1.000	1.000
ankle	L-L	-	hip_addu	R-L	-0.00508	0.00664	-0.76517	483	1.000	1.000
ankle	L-L	-	hip_addu	R-R	-0.00398	0.00664	-0.59980	483	1.000	1.000
ankle	L-L	-	hip_flex	L-L	-0.04657	0.00664	-7.01776	483	< .001	< .001
ankle	L-L	-	hip_flex	L-R	-0.07567	0.00664	-11.40212	483	< .001	< .001
ankle	L-L	-	hip_flex	R-L	-0.09973	0.00664	-15.02827	483	< .001	< .001
ankle	L-L	-	hip_flex	R-R	-0.05162	0.00664	-7.77856	483	< .001	< .001
ankle	L-L	-	hip_rot	L-L	-0.00323	0.00664	-0.48633	483	1.000	1.000
ankle	L-L	-	hip_rot	L-R	0.00775	0.00664	1.16712	483	1.000	1.000
ankle	L-L	-	hip_rot	R-L	0.00595	0.00664	0.89612	483	1.000	1.000
ankle	L-L	-	hip_rot	R-R	-0.00368	0.00664	-0.55481	483	1.000	1.000
ankle	L-L	-	knee	L-L	0.00541	0.00664	0.81485	483	1.000	1.000
ankle	L-L	-	knee	L-R	0.00315	0.00664	0.47499	483	1.000	1.000
ankle	L-L	-	knee	R-L	0.00294	0.00664	0.44347	483	1.000	1.000
ankle	L-L	-	knee	R-R	0.00359	0.00664	0.54090	483	1.000	1.000
ankle	L-L	-	subt	L-L	0.01121	0.00664	1.68941	483	1.000	1.000
ankle	L-L	-	subt	L-R	-2.03e−4	0.00664	-0.03059	483	1.000	1.000
ankle	L-L	-	subt	R-L	0.00369	0.00664	0.55556	483	1.000	1.000
ankle	L-L	-	subt	R-R	0.01150	0.00664	1.73226	483	1.000	1.000
ankle	L-R	-	ankle	R-L	-0.00291	0.00664	-0.43877	483	1.000	1.000
ankle	L-R	-	ankle	R-R	0.03844	0.00664	5.79261	483	< .001	< .001
ankle	L-R	-	hip_addu	L-R	0.04358	0.00664	6.56688	483	< .001	< .001
ankle	L-R	-	hip_addu	R-L	0.03557	0.00664	5.36017	483	< .001	< .001
ankle	L-R	-	hip_addu	R-R	0.03667	0.00664	5.52554	483	< .001	< .001
ankle	L-R	-	hip_flex	L-R	-0.03502	0.00664	-5.27678	483	< .001	< .001
ankle	L-R	-	hip_flex	R-L	-0.05908	0.00664	-8.90293	483	< .001	< .001
ankle	L-R	-	hip_flex	R-R	-0.01097	0.00664	-1.65322	483	1.000	1.000
ankle	L-R	-	hip_rot	L-R	0.04840	0.00664	7.29247	483	< .001	< .001
ankle	L-R	-	hip_rot	R-L	0.04660	0.00664	7.02146	483	< .001	< .001
ankle	L-R	-	hip_rot	R-R	0.03697	0.00664	5.57053	483	< .001	< .001
ankle	L-R	-	knee	L-R	0.04380	0.00664	6.60033	483	< .001	< .001
ankle	L-R	-	knee	R-L	0.04359	0.00664	6.56881	483	< .001	< .001
ankle	L-R	-	knee	R-R	0.04424	0.00664	6.66624	483	< .001	< .001
ankle	L-R	-	subt	L-R	0.04045	0.00664	6.09475	483	< .001	< .001
ankle	L-R	-	subt	R-L	0.04434	0.00664	6.68090	483	< .001	< .001
ankle	L-R	-	subt	R-R	0.05215	0.00664	7.85760	483	< .001	< .001
ankle	R-L	-	ankle	R-R	0.04135	0.00664	6.23138	483	< .001	< .001
ankle	R-L	-	hip_addu	R-L	0.03848	0.00664	5.79893	483	< .001	< .001
ankle	R-L	-	hip_addu	R-R	0.03958	0.00664	5.96431	483	< .001	< .001
ankle	R-L	-	hip_flex	R-L	-0.05617	0.00664	-8.46416	483	< .001	< .001
ankle	R-L	-	hip_flex	R-R	-0.00806	0.00664	-1.21445	483	1.000	1.000
ankle	R-L	-	hip_rot	R-L	0.04951	0.00664	7.46023	483	< .001	< .001
ankle	R-L	-	hip_rot	R-R	0.03988	0.00664	6.00929	483	< .001	< .001
ankle	R-L	-	knee	R-L	0.04650	0.00664	7.00758	483	< .001	< .001
ankle	R-L	-	knee	R-R	0.04715	0.00664	7.10501	483	< .001	< .001

Post Hoc Comparisons - angulo ✻ lados

Comparison					Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
angulo	lados		angulo	lados						
ankle	R-L	-	subt	R-L	0.04725	0.00664	7.11967	483	< .001	< .001
ankle	R-L	-	subt	R-R	0.05506	0.00664	8.29637	483	< .001	< .001
ankle	R-R	-	hip_addu	R-R	-0.00177	0.00664	-0.26707	483	1.000	1.000
ankle	R-R	-	hip_flex	R-R	-0.04941	0.00664	-7.44583	483	< .001	< .001
ankle	R-R	-	hip_rot	R-R	-0.00147	0.00664	-0.22209	483	1.000	1.000
ankle	R-R	-	knee	R-R	0.00580	0.00664	0.87363	483	1.000	1.000
ankle	R-R	-	subt	R-R	0.01370	0.00664	2.06499	483	1.000	1.000
hip_addu	L-L	-	ankle	L-R	-0.04363	0.00664	-6.57490	483	< .001	< .001
hip_addu	L-L	-	ankle	R-L	-0.04655	0.00664	-7.01367	483	< .001	< .001
hip_addu	L-L	-	ankle	R-R	-0.00519	0.00664	-0.78229	483	1.000	1.000
hip_addu	L-L	-	hip_addu	L-R	-5.32e−5	0.00664	-0.00802	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-L	-0.00806	0.00664	-1.21474	483	1.000	1.000
hip_addu	L-L	-	hip_addu	R-R	-0.00696	0.00664	-1.04936	483	1.000	1.000
hip_addu	L-L	-	hip_flex	L-L	-0.04956	0.00664	-7.46732	483	< .001	< .001
hip_addu	L-L	-	hip_flex	L-R	-0.07865	0.00664	-11.85168	483	< .001	< .001
hip_addu	L-L	-	hip_flex	R-L	-0.10272	0.00664	-15.47783	483	< .001	< .001
hip_addu	L-L	-	hip_flex	R-R	-0.05460	0.00664	-8.22812	483	< .001	< .001
hip_addu	L-L	-	hip_rot	L-L	-0.00621	0.00664	-0.93589	483	1.000	1.000
hip_addu	L-L	-	hip_rot	L-R	0.00476	0.00664	0.71756	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-L	0.00296	0.00664	0.44656	483	1.000	1.000
hip_addu	L-L	-	hip_rot	R-R	-0.00667	0.00664	-1.00438	483	1.000	1.000
hip_addu	L-L	-	knee	L-L	0.00242	0.00664	0.36529	483	1.000	1.000
hip_addu	L-L	-	knee	L-R	1.69e-4	0.00664	0.02543	483	1.000	1.000
hip_addu	L-L	-	knee	R-L	-4.04e−5	0.00664	-0.00609	483	1.000	1.000
hip_addu	L-L	-	knee	R-R	6.06e-4	0.00664	0.09134	483	1.000	1.000
hip_addu	L-L	-	subt	L-L	0.00823	0.00664	1.23985	483	1.000	1.000
hip_addu	L-L	-	subt	L-R	-0.00319	0.00664	-0.48015	483	1.000	1.000
hip_addu	L-L	-	subt	R-L	7.03e-4	0.00664	0.10600	483	1.000	1.000
hip_addu	L-L	-	subt	R-R	0.00851	0.00664	1.28270	483	1.000	1.000
hip_addu	L-R	-	ankle	R-L	-0.04649	0.00664	-7.00565	483	< .001	< .001
hip_addu	L-R	-	ankle	R-R	-0.00514	0.00664	-0.77427	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-L	-0.00801	0.00664	-1.20671	483	1.000	1.000
hip_addu	L-R	-	hip_addu	R-R	-0.00691	0.00664	-1.04134	483	1.000	1.000
hip_addu	L-R	-	hip_flex	L-R	-0.07860	0.00664	-11.84366	483	< .001	< .001
hip_addu	L-R	-	hip_flex	R-L	-0.10266	0.00664	-15.46981	483	< .001	< .001
hip_addu	L-R	-	hip_flex	R-R	-0.05455	0.00664	-8.22010	483	< .001	< .001
hip_addu	L-R	-	hip_rot	L-R	0.00482	0.00664	0.72558	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-L	0.00302	0.00664	0.45458	483	1.000	1.000
hip_addu	L-R	-	hip_rot	R-R	-0.00661	0.00664	-0.99635	483	1.000	1.000
hip_addu	L-R	-	knee	L-R	2.22e-4	0.00664	0.03345	483	1.000	1.000
hip_addu	L-R	-	knee	R-L	1.28e-5	0.00664	0.00193	483	1.000	1.000
hip_addu	L-R	-	knee	R-R	6.59e-4	0.00664	0.09936	483	1.000	1.000
hip_addu	L-R	-	subt	L-R	-0.00313	0.00664	-0.47213	483	1.000	1.000
hip_addu	L-R	-	subt	R-L	7.57e-4	0.00664	0.11402	483	1.000	1.000
hip_addu	L-R	-	subt	R-R	0.00857	0.00664	1.29072	483	1.000	1.000
hip_addu	R-L	-	ankle	R-R	0.00287	0.00664	0.43245	483	1.000	1.000
hip_addu	R-L	-	hip_addu	R-R	0.00110	0.00664	0.16538	483	1.000	1.000
hip_addu	R-L	-	hip_flex	R-L	-0.09466	0.00664	-14.26309	483	< .001	< .001
hip_addu	R-L	-	hip_flex	R-R	-0.04654	0.00664	-7.01338	483	< .001	< .001

Post Hoc Comparisons - angulo ✻ lados

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
hip_addu	R-L	-	hip_rot	R-L	0.01102	0.00664	1.66130	483	1.000	1.000
hip_addu	R-L	-	hip_rot	R-R	0.00140	0.00664	0.21036	483	1.000	1.000
hip_addu	R-L	-	knee	R-L	0.00802	0.00664	1.20864	483	1.000	1.000
hip_addu	R-L	-	knee	R-R	0.00867	0.00664	1.30607	483	1.000	1.000
hip_addu	R-L	-	subt	R-L	0.00876	0.00664	1.32074	483	1.000	1.000
hip_addu	R-L	-	subt	R-R	0.01657	0.00664	2.49743	483	1.000	1.000
hip_addu	R-R	-	hip_flex	R-R	-0.04764	0.00664	-7.17876	483	< .001	< .001
hip_addu	R-R	-	hip_rot	R-R	2.99e-4	0.00664	0.04498	483	1.000	1.000
hip_addu	R-R	-	knee	R-R	0.00757	0.00664	1.14070	483	1.000	1.000
hip_addu	R-R	-	subt	R-R	0.01548	0.00664	2.33206	483	1.000	1.000
hip_flex	L-L	-	ankle	L-R	0.00592	0.00664	0.89241	483	1.000	1.000
hip_flex	L-L	-	ankle	R-L	0.00301	0.00664	0.45365	483	1.000	1.000
hip_flex	L-L	-	ankle	R-R	0.04436	0.00664	6.68503	483	< .001	< .001
hip_flex	L-L	-	hip_addu	L-R	0.04950	0.00664	7.45930	483	< .001	< .001
hip_flex	L-L	-	hip_addu	R-L	0.04149	0.00664	6.25258	483	< .001	< .001
hip_flex	L-L	-	hip_addu	R-R	0.04259	0.00664	6.41796	483	< .001	< .001
hip_flex	L-L	-	hip_flex	L-R	-0.02910	0.00664	-4.38436	483	0.004	0.002
hip_flex	L-L	-	hip_flex	R-L	-0.05316	0.00664	-8.01051	483	< .001	< .001
hip_flex	L-L	-	hip_flex	R-R	-0.00505	0.00664	-0.76080	483	1.000	1.000
hip_flex	L-L	-	hip_rot	L-L	0.04335	0.00664	6.53143	483	< .001	< .001
hip_flex	L-L	-	hip_rot	L-R	0.05432	0.00664	8.18488	483	< .001	< .001
hip_flex	L-L	-	hip_rot	R-L	0.05252	0.00664	7.91388	483	< .001	< .001
hip_flex	L-L	-	hip_rot	R-R	0.04289	0.00664	6.46294	483	< .001	< .001
hip_flex	L-L	-	knee	L-L	0.05198	0.00664	7.83261	483	< .001	< .001
hip_flex	L-L	-	knee	L-R	0.04972	0.00664	7.49274	483	< .001	< .001
hip_flex	L-L	-	knee	R-L	0.04952	0.00664	7.46123	483	< .001	< .001
hip_flex	L-L	-	knee	R-R	0.05016	0.00664	7.55865	483	< .001	< .001
hip_flex	L-L	-	subt	L-L	0.05778	0.00664	8.70716	483	< .001	< .001
hip_flex	L-L	-	subt	L-R	0.04637	0.00664	6.98717	483	< .001	< .001
hip_flex	L-L	-	subt	R-L	0.05026	0.00664	7.57332	483	< .001	< .001
hip_flex	L-L	-	subt	R-R	0.05807	0.00664	8.75001	483	< .001	< .001
hip_flex	L-R	-	ankle	R-L	0.03211	0.00664	4.83801	483	< .001	< .001
hip_flex	L-R	-	ankle	R-R	0.07346	0.00664	11.06939	483	< .001	< .001
hip_flex	L-R	-	hip_addu	R-L	0.07059	0.00664	10.63695	483	< .001	< .001
hip_flex	L-R	-	hip_addu	R-R	0.07169	0.00664	10.80232	483	< .001	< .001
hip_flex	L-R	-	hip_flex	R-L	-0.02406	0.00664	-3.62615	483	0.088	0.051
hip_flex	L-R	-	hip_flex	R-R	0.02405	0.00664	3.62356	483	0.089	0.051
hip_flex	L-R	-	hip_rot	L-R	0.08341	0.00664	12.56924	483	< .001	< .001
hip_flex	L-R	-	hip_rot	R-L	0.08162	0.00664	12.29824	483	< .001	< .001
hip_flex	L-R	-	hip_rot	R-R	0.07199	0.00664	10.84731	483	< .001	< .001
hip_flex	L-R	-	knee	L-R	0.07882	0.00664	11.87711	483	< .001	< .001
hip_flex	L-R	-	knee	R-L	0.07861	0.00664	11.84559	483	< .001	< .001
hip_flex	L-R	-	knee	R-R	0.07926	0.00664	11.94302	483	< .001	< .001
hip_flex	L-R	-	subt	L-R	0.07547	0.00664	11.37153	483	< .001	< .001
hip_flex	L-R	-	subt	R-L	0.07936	0.00664	11.95768	483	< .001	< .001
hip_flex	L-R	-	subt	R-R	0.08716	0.00664	13.13438	483	< .001	< .001
hip_flex	R-L	-	ankle	R-R	0.09753	0.00664	14.69554	483	< .001	< .001
hip_flex	R-L	-	hip_addu	R-R	0.09575	0.00664	14.42847	483	< .001	< .001
hip_flex	R-L	-	hip_flex	R-R	0.04811	0.00664	7.24971	483	< .001	< .001

Post Hoc Comparisons - angulo ✻ lados

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
hip_flex	R-L	-	hip_rot	R-L	0.10568	0.00664	15.92439	483	< .001	< .001
hip_flex	R-L	-	hip_rot	R-R	0.09605	0.00664	14.47345	483	< .001	< .001
hip_flex	R-L	-	knee	R-L	0.10268	0.00664	15.47174	483	< .001	< .001
hip_flex	R-L	-	knee	R-R	0.10332	0.00664	15.56916	483	< .001	< .001
hip_flex	R-L	-	subt	R-L	0.10342	0.00664	15.58383	483	< .001	< .001
hip_flex	R-L	-	subt	R-R	0.11123	0.00664	16.76053	483	< .001	< .001
hip_flex	R-R	-	hip_rot	R-R	0.04794	0.00664	7.22374	483	< .001	< .001
hip_flex	R-R	-	knee	R-R	0.05521	0.00664	8.31946	483	< .001	< .001
hip_flex	R-R	-	subt	R-R	0.06312	0.00664	9.51082	483	< .001	< .001
hip_rot	L-L	-	ankle	L-R	-0.03742	0.00664	-5.63901	483	< .001	< .001
hip_rot	L-L	-	ankle	R-L	-0.04033	0.00664	-6.07778	483	< .001	< .001
hip_rot	L-L	-	ankle	R-R	0.00102	0.00664	0.15360	483	1.000	1.000
hip_rot	L-L	-	hip_addu	L-R	0.00616	0.00664	0.92787	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-L	-0.00185	0.00664	-0.27885	483	1.000	1.000
hip_rot	L-L	-	hip_addu	R-R	-7.53e−4	0.00664	-0.11347	483	1.000	1.000
hip_rot	L-L	-	hip_flex	L-R	-0.07244	0.00664	-10.91579	483	< .001	< .001
hip_rot	L-L	-	hip_flex	R-L	-0.09651	0.00664	-14.54194	483	< .001	< .001
hip_rot	L-L	-	hip_flex	R-R	-0.04839	0.00664	-7.29223	483	< .001	< .001
hip_rot	L-L	-	hip_rot	L-R	0.01097	0.00664	1.65345	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-L	0.00917	0.00664	1.38245	483	1.000	1.000
hip_rot	L-L	-	hip_rot	R-R	-4.55e−4	0.00664	-0.06849	483	1.000	1.000
hip_rot	L-L	-	knee	L-L	0.00864	0.00664	1.30118	483	1.000	1.000
hip_rot	L-L	-	knee	L-R	0.00638	0.00664	0.96131	483	1.000	1.000
hip_rot	L-L	-	knee	R-L	0.00617	0.00664	0.92980	483	1.000	1.000
hip_rot	L-L	-	knee	R-R	0.00682	0.00664	1.02723	483	1.000	1.000
hip_rot	L-L	-	subt	L-L	0.01444	0.00664	2.17574	483	1.000	1.000
hip_rot	L-L	-	subt	L-R	0.00302	0.00664	0.45574	483	1.000	1.000
hip_rot	L-L	-	subt	R-L	0.00691	0.00664	1.04189	483	1.000	1.000
hip_rot	L-L	-	subt	R-R	0.01472	0.00664	2.21859	483	1.000	1.000
hip_rot	L-R	-	ankle	R-L	-0.05131	0.00664	-7.73123	483	< .001	< .001
hip_rot	L-R	-	ankle	R-R	-0.00995	0.00664	-1.49985	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-L	-0.01282	0.00664	-1.93230	483	1.000	1.000
hip_rot	L-R	-	hip_addu	R-R	-0.01173	0.00664	-1.76692	483	1.000	1.000
hip_rot	L-R	-	hip_flex	R-L	-0.10748	0.00664	-16.19539	483	< .001	< .001
hip_rot	L-R	-	hip_flex	R-R	-0.05937	0.00664	-8.94568	483	< .001	< .001
hip_rot	L-R	-	hip_rot	R-L	-0.00180	0.00664	-0.27100	483	1.000	1.000
hip_rot	L-R	-	hip_rot	R-R	-0.01143	0.00664	-1.72194	483	1.000	1.000
hip_rot	L-R	-	knee	L-R	-0.00459	0.00664	-0.69214	483	1.000	1.000
hip_rot	L-R	-	knee	R-L	-0.00480	0.00664	-0.72365	483	1.000	1.000
hip_rot	L-R	-	knee	R-R	-0.00416	0.00664	-0.62623	483	1.000	1.000
hip_rot	L-R	-	subt	L-R	-0.00795	0.00664	-1.19771	483	1.000	1.000
hip_rot	L-R	-	subt	R-L	-0.00406	0.00664	-0.61156	483	1.000	1.000
hip_rot	L-R	-	subt	R-R	0.00375	0.00664	0.56514	483	1.000	1.000
hip_rot	R-L	-	ankle	R-R	-0.00816	0.00664	-1.22885	483	1.000	1.000
hip_rot	R-L	-	hip_addu	R-R	-0.00993	0.00664	-1.49592	483	1.000	1.000
hip_rot	R-L	-	hip_flex	R-R	-0.05757	0.00664	-8.67468	483	< .001	< .001
hip_rot	R-L	-	hip_rot	R-R	-0.00963	0.00664	-1.45094	483	1.000	1.000
hip_rot	R-L	-	knee	R-L	-0.00300	0.00664	-0.45265	483	1.000	1.000
hip_rot	R-L	-	knee	R-R	-0.00236	0.00664	-0.35522	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	-0.00226	0.00664	-0.34056	483	1.000	1.000
hip_rot	R-L	-	subt	R-R	0.00555	0.00664	0.83614	483	1.000	1.000
hip_rot	R-R	-	knee	R-R	0.00727	0.00664	1.09571	483	1.000	1.000
hip_rot	R-R	-	subt	R-R	0.01518	0.00664	2.28707	483	1.000	1.000
knee	L-L	-	ankle	L-R	-0.04606	0.00664	-6.94019	483	< .001	< .001
knee	L-L	-	ankle	R-L	-0.04897	0.00664	-7.37896	483	< .001	< .001
knee	L-L	-	ankle	R-R	-0.00762	0.00664	-1.14758	483	1.000	1.000
knee	L-L	-	hip_addu	L-R	-0.00248	0.00664	-0.37331	483	1.000	1.000
knee	L-L	-	hip_addu	R-L	-0.01049	0.00664	-1.58002	483	1.000	1.000
knee	L-L	-	hip_addu	R-R	-0.00939	0.00664	-1.41465	483	1.000	1.000
knee	L-L	-	hip_flex	L-R	-0.08108	0.00664	-12.21697	483	< .001	< .001
knee	L-L	-	hip_flex	R-L	-0.10514	0.00664	-15.84312	483	< .001	< .001
knee	L-L	-	hip_flex	R-R	-0.05703	0.00664	-8.59341	483	< .001	< .001
knee	L-L	-	hip_rot	L-R	0.00234	0.00664	0.35227	483	1.000	1.000
knee	L-L	-	hip_rot	R-L	5.39e-4	0.00664	0.08127	483	1.000	1.000
knee	L-L	-	hip_rot	R-R	-0.00909	0.00664	-1.36967	483	1.000	1.000
knee	L-L	-	knee	L-R	-0.00226	0.00664	-0.33986	483	1.000	1.000
knee	L-L	-	knee	R-L	-0.00246	0.00664	-0.37138	483	1.000	1.000
knee	L-L	-	knee	R-R	-0.00182	0.00664	-0.27395	483	1.000	1.000
knee	L-L	-	subt	L-L	0.00580	0.00664	0.87456	483	1.000	1.000
knee	L-L	-	subt	L-R	-0.00561	0.00664	-0.84544	483	1.000	1.000
knee	L-L	-	subt	R-L	-0.00172	0.00664	-0.25929	483	1.000	1.000
knee	L-L	-	subt	R-R	0.00609	0.00664	0.91741	483	1.000	1.000
knee	L-R	-	ankle	R-L	-0.04671	0.00664	-7.03910	483	< .001	< .001
knee	L-R	-	ankle	R-R	-0.00536	0.00664	-0.80771	483	1.000	1.000
knee	L-R	-	hip_addu	R-L	-0.00823	0.00664	-1.24016	483	1.000	1.000
knee	L-R	-	hip_addu	R-R	-0.00713	0.00664	-1.07478	483	1.000	1.000
knee	L-R	-	hip_flex	R-L	-0.10289	0.00664	-15.50325	483	< .001	< .001
knee	L-R	-	hip_flex	R-R	-0.05477	0.00664	-8.25354	483	< .001	< .001
knee	L-R	-	hip_rot	R-L	0.00279	0.00664	0.42113	483	1.000	1.000
knee	L-R	-	hip_rot	R-R	-0.00683	0.00664	-1.02980	483	1.000	1.000
knee	L-R	-	knee	R-L	-2.09e−4	0.00664	-0.03152	483	1.000	1.000
knee	L-R	-	knee	R-R	4.37e-4	0.00664	0.06591	483	1.000	1.000
knee	L-R	-	subt	L-R	-0.00336	0.00664	-0.50557	483	1.000	1.000
knee	L-R	-	subt	R-L	5.35e-4	0.00664	0.08058	483	1.000	1.000
knee	L-R	-	subt	R-R	0.00834	0.00664	1.25727	483	1.000	1.000
knee	R-L	-	ankle	R-R	-0.00515	0.00664	-0.77620	483	1.000	1.000
knee	R-L	-	hip_addu	R-R	-0.00692	0.00664	-1.04327	483	1.000	1.000
knee	R-L	-	hip_flex	R-R	-0.05456	0.00664	-8.22203	483	< .001	< .001
knee	R-L	-	hip_rot	R-R	-0.00663	0.00664	-0.99829	483	1.000	1.000
knee	R-L	-	knee	R-R	6.47e-4	0.00664	0.09743	483	1.000	1.000
knee	R-L	-	subt	R-L	7.44e-4	0.00664	0.11209	483	1.000	1.000
knee	R-L	-	subt	R-R	0.00855	0.00664	1.28879	483	1.000	1.000
knee	R-R	-	subt	R-R	0.00791	0.00664	1.19136	483	1.000	1.000
subt	L-L	-	ankle	L-R	-0.05186	0.00664	-7.81475	483	< .001	< .001
subt	L-L	-	ankle	R-L	-0.05477	0.00664	-8.25352	483	< .001	< .001
subt	L-L	-	ankle	R-R	-0.01342	0.00664	-2.02214	483	1.000	1.000
subt	L-L	-	hip_addu	L-R	-0.00828	0.00664	-1.24787	483	1.000	1.000
subt	L-L	-	hip_addu	R-L	-0.01629	0.00664	-2.45458	483	1.000	1.000

Post Hoc Comparisons - angulo ✻ lados

Comparison										
angulo	lados		angulo	lados	Difference	SE	t	df	$p_{bonferroni}$	p_{holm}
subt	L-L	-	hip_addu	R-R	-0.01519	0.00664	-2.28921	483	1.000	1.000
subt	L-L	-	hip_flex	L-R	-0.08688	0.00664	-13.09153	483	< .001	< .001
subt	L-L	-	hip_flex	R-L	-0.11094	0.00664	-16.71768	483	< .001	< .001
subt	L-L	-	hip_flex	R-R	-0.06283	0.00664	-9.46797	483	< .001	< .001
subt	L-L	-	hip_rot	L-R	-0.00347	0.00664	-0.52229	483	1.000	1.000
subt	L-L	-	hip_rot	R-L	-0.00526	0.00664	-0.79329	483	1.000	1.000
subt	L-L	-	hip_rot	R-R	-0.01489	0.00664	-2.24422	483	1.000	1.000
subt	L-L	-	knee	L-R	-0.00806	0.00664	-1.21442	483	1.000	1.000
subt	L-L	-	knee	R-L	-0.00827	0.00664	-1.24594	483	1.000	1.000
subt	L-L	-	knee	R-R	-0.00762	0.00664	-1.14851	483	1.000	1.000
subt	L-L	-	subt	L-R	-0.01141	0.00664	-1.72000	483	1.000	1.000
subt	L-L	-	subt	R-L	-0.00752	0.00664	-1.13385	483	1.000	1.000
subt	L-L	-	subt	R-R	2.84e-4	0.00664	0.04285	483	1.000	1.000
subt	L-R	-	ankle	R-L	-0.04336	0.00664	-6.53352	483	< .001	< .001
subt	L-R	-	ankle	R-R	-0.00201	0.00664	-0.30214	483	1.000	1.000
subt	L-R	-	hip_addu	R-L	-0.00488	0.00664	-0.73459	483	1.000	1.000
subt	L-R	-	hip_addu	R-R	-0.00378	0.00664	-0.56921	483	1.000	1.000
subt	L-R	-	hip_flex	R-L	-0.09953	0.00664	-14.99768	483	< .001	< .001
subt	L-R	-	hip_flex	R-R	-0.05142	0.00664	-7.74797	483	< .001	< .001
subt	L-R	-	hip_rot	R-L	0.00615	0.00664	0.92671	483	1.000	1.000
subt	L-R	-	hip_rot	R-R	-0.00348	0.00664	-0.52423	483	1.000	1.000
subt	L-R	-	knee	R-L	0.00315	0.00664	0.47406	483	1.000	1.000
subt	L-R	-	knee	R-R	0.00379	0.00664	0.57148	483	1.000	1.000
subt	L-R	-	subt	R-L	0.00389	0.00664	0.58615	483	1.000	1.000
subt	L-R	-	subt	R-R	0.01170	0.00664	1.76285	483	1.000	1.000
subt	R-L	-	ankle	R-R	-0.00590	0.00664	-0.88829	483	1.000	1.000
subt	R-L	-	hip_addu	R-R	-0.00767	0.00664	-1.15536	483	1.000	1.000
subt	R-L	-	hip_flex	R-R	-0.05531	0.00664	-8.33412	483	< .001	< .001
subt	R-L	-	hip_rot	R-R	-0.00737	0.00664	-1.11038	483	1.000	1.000
subt	R-L	-	knee	R-R	-9.73e−5	0.00664	-0.01466	483	1.000	1.000
subt	R-L	-	subt	R-R	0.00781	0.00664	1.17670	483	1.000	1.000

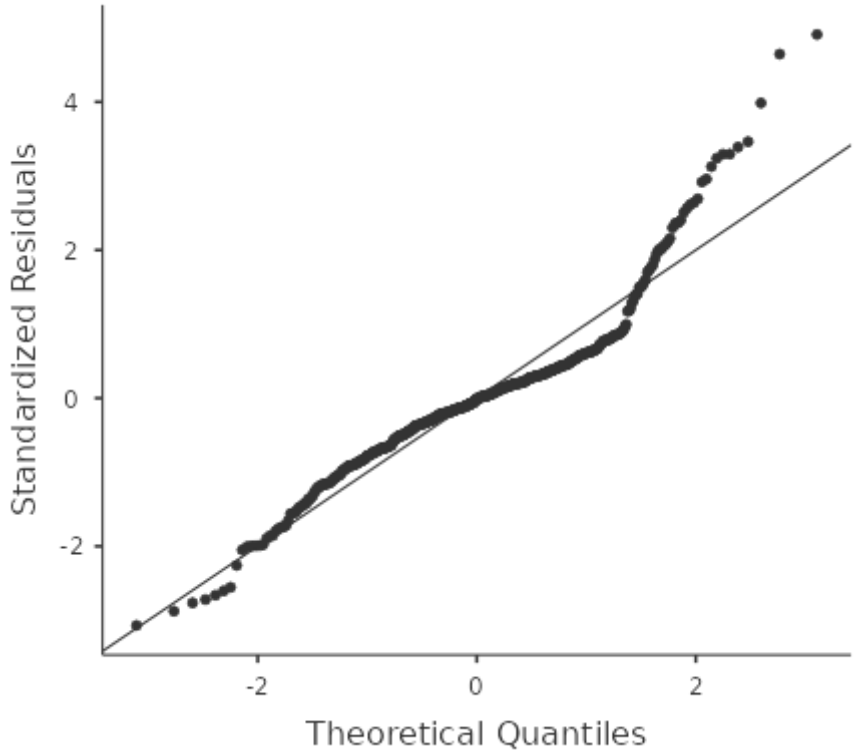
Note: Residuals plotted by sujeto

Assumption Checks

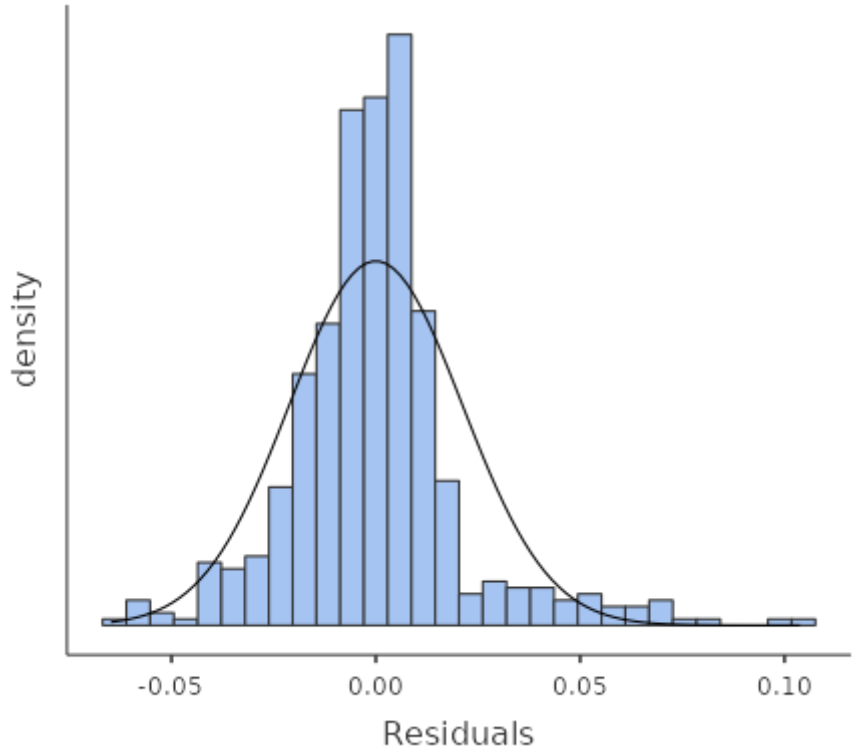
Test for Normality of residuals

Test	Statistics	p
Kolmogorov-Smirnov	0.121	< .001
Shapiro-Wilk	0.919	< .001

Q-Q Plot

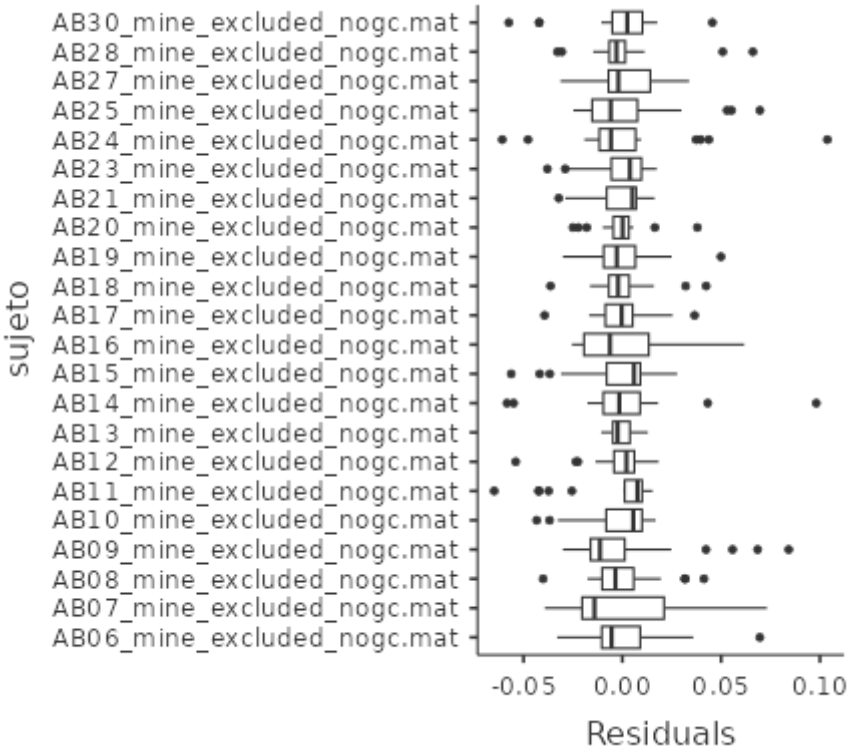


Residual histogram



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/.