

# Resultados

## Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+( 1   sujeto )
AIC	-1697.096
BIC	-1408.964
LogLikel.	785.980
R-squared Marginal	0.768
R-squared Conditional	0.790
Converged	yes
Optimizer	bobyqa

[3]

## Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
angulo	214.3	5	483	< .001
lados	11.5	3	483	< .001
angulo * lados	54.8	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)	0.13009	0.00375	0.12273	0.13745	21.0	34.653	< .001
angulo1	hip_addu - ankle	0.00479	0.00694	-0.00881	0.01840	483.0	0.690	0.490
angulo2	hip_flex - ankle	-0.01128	0.00694	-0.02489	0.00232	483.0	-1.626	0.105
angulo3	hip_rot - ankle	-0.12151	0.00694	-0.13511	-0.10790	483.0	-17.505	< .001
angulo4	knee - ankle	0.05496	0.00694	0.04135	0.06856	483.0	7.917	< .001
angulo5	subt - ankle	-0.11818	0.00694	-0.13179	-0.10458	483.0	-17.026	< .001
lados1	L-R - L-L	-0.02054	0.00567	-0.03165	-0.00943	483.0	-3.624	< .001
lados2	R-L - L-L	-0.02162	0.00567	-0.03273	-0.01052	483.0	-3.815	< .001
lados3	R-R - L-L	0.00447	0.00567	-0.00664	0.01558	483.0	0.789	0.431
angulo1 * lados1	hip_addu - ankle * L-R - L-L	-0.14516	0.01963	-0.18364	-0.10668	483.0	-7.394	< .001
angulo2 * lados1	hip_flex - ankle * L-R - L-L	-0.09633	0.01963	-0.13481	-0.05785	483.0	-4.906	< .001
angulo3 * lados1	hip_rot - ankle * L-R - L-L	-0.13748	0.01963	-0.17596	-0.09900	483.0	-7.003	< .001
angulo4 * lados1	knee - ankle * L-R - L-L	-0.36312	0.01963	-0.40160	-0.32464	483.0	-18.496	< .001
angulo5 * lados1	subt - ankle * L-R - L-L	-0.12357	0.01963	-0.16204	-0.08509	483.0	-6.294	< .001
angulo1 * lados2	hip_addu - ankle * R-L - L-L	-0.16100	0.01963	-0.19948	-0.12252	483.0	-8.201	< .001
angulo2 * lados2	hip_flex - ankle * R-L - L-L	-0.09262	0.01963	-0.13110	-0.05414	483.0	-4.717	< .001
angulo3 * lados2	hip_rot - ankle * R-L - L-L	-0.15888	0.01963	-0.19736	-0.12040	483.0	-8.093	< .001
angulo4 * lados2	knee - ankle * R-L - L-L	-0.37562	0.01963	-0.41410	-0.33714	483.0	-19.132	< .001
angulo5 * lados2	subt - ankle * R-L - L-L	-0.15228	0.01963	-0.19076	-0.11380	483.0	-7.756	< .001
angulo1 * lados3	hip_addu - ankle * R-R - L-L	0.00802	0.01963	-0.03046	0.04650	483.0	0.409	0.683
angulo2 * lados3	hip_flex - ankle * R-R - L-L	-0.00407	0.01963	-0.04255	0.03441	483.0	-0.207	0.836
angulo3 * lados3	hip_rot - ankle * R-R - L-L	-0.01318	0.01963	-0.05166	0.02530	483.0	-0.671	0.502
angulo4 * lados3	knee - ankle * R-R - L-L	0.01965	0.01963	-0.01883	0.05813	483.0	1.001	0.317
angulo5 * lados3	subt - ankle * R-R - L-L	0.01209	0.01963	-0.02639	0.05057	483.0	0.616	0.538

## Random Components

Groups	Name	SD	Variance	ICC
sujeto	(Intercept)	0.0149	2.22e-4	0.0947
Residual		0.0460	0.00212	

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

## Post Hoc Tests

Post Hoc Comparisons - angulo \* lados

Comparison					Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados							
ankle	L-L	- ankle	L-R		-0.12373	0.0139	-8.91294	483	< .001	< .001
ankle	L-L	- ankle	R-L		-0.13511	0.0139	-9.73226	483	< .001	< .001
ankle	L-L	- ankle	R-R		-7.17e-4	0.0139	-0.05166	483	1.000	1.000
ankle	L-L	- hip_addu	L-L		-0.07933	0.0139	-5.71414	483	< .001	< .001
ankle	L-L	- hip_addu	L-R		-0.05790	0.0139	-4.17083	483	0.010	0.004
ankle	L-L	- hip_addu	R-L		-0.05343	0.0139	-3.84886	483	0.037	0.013
ankle	L-L	- hip_addu	R-R		-0.08807	0.0139	-6.34381	483	< .001	< .001
ankle	L-L	- hip_flex	L-L		-0.03697	0.0139	-2.66301	483	1.000	0.520
ankle	L-L	- hip_flex	L-R		-0.06437	0.0139	-4.63711	483	0.001	< .001
ankle	L-L	- hip_flex	R-L		-0.07946	0.0139	-5.72387	483	< .001	< .001
ankle	L-L	- hip_flex	R-R		-0.03362	0.0139	-2.42140	483	1.000	0.943
ankle	L-L	- hip_rot	L-L		0.04412	0.0139	3.17836	483	0.435	0.120
ankle	L-L	- hip_rot	L-R		0.05787	0.0139	4.16869	483	0.010	0.004
ankle	L-L	- hip_rot	R-L		0.06789	0.0139	4.89069	483	< .001	< .001
ankle	L-L	- hip_rot	R-R		0.05658	0.0139	4.07594	483	0.015	0.005
ankle	L-L	- knee	L-L		-0.23473	0.0139	-16.90811	483	< .001	< .001
ankle	L-L	- knee	L-R		0.00466	0.0139	0.33562	483	1.000	1.000
ankle	L-L	- knee	R-L		0.00578	0.0139	0.41669	483	1.000	1.000
ankle	L-L	- knee	R-R		-0.25510	0.0139	-18.37551	483	< .001	< .001
ankle	L-L	- subt	L-L		0.05225	0.0139	3.76352	483	0.052	0.017
ankle	L-L	- subt	L-R		0.05208	0.0139	3.75136	483	0.054	0.018
ankle	L-L	- subt	R-L		0.06941	0.0139	5.00015	483	< .001	< .001
ankle	L-L	- subt	R-R		0.03944	0.0139	2.84069	483	1.000	0.326
ankle	L-R	- ankle	R-L		-0.01137	0.0139	-0.81932	483	1.000	1.000
ankle	L-R	- ankle	R-R		0.12302	0.0139	8.86129	483	< .001	< .001
ankle	L-R	- hip_addu	L-R		0.06583	0.0139	4.74211	483	< .001	< .001
ankle	L-R	- hip_addu	R-L		0.07030	0.0139	5.06409	483	< .001	< .001
ankle	L-R	- hip_addu	R-R		0.03567	0.0139	2.56913	483	1.000	0.661
ankle	L-R	- hip_flex	L-R		0.05936	0.0139	4.27583	483	0.006	0.003
ankle	L-R	- hip_flex	R-L		0.04427	0.0139	3.18908	483	0.420	0.117
ankle	L-R	- hip_flex	R-R		0.09012	0.0139	6.49155	483	< .001	< .001
ankle	L-R	- hip_rot	L-R		0.18161	0.0139	13.08163	483	< .001	< .001
ankle	L-R	- hip_rot	R-L		0.19163	0.0139	13.80363	483	< .001	< .001
ankle	L-R	- hip_rot	R-R		0.18032	0.0139	12.98888	483	< .001	< .001
ankle	L-R	- knee	L-R		0.12839	0.0139	9.24857	483	< .001	< .001
ankle	L-R	- knee	R-L		0.12952	0.0139	9.32963	483	< .001	< .001
ankle	L-R	- knee	R-R		-0.13136	0.0139	-9.46257	483	< .001	< .001
ankle	L-R	- subt	L-R		0.17581	0.0139	12.66430	483	< .001	< .001
ankle	L-R	- subt	R-L		0.19315	0.0139	13.91310	483	< .001	< .001
ankle	L-R	- subt	R-R		0.16317	0.0139	11.75363	483	< .001	< .001
ankle	R-L	- ankle	R-R		0.13439	0.0139	9.68060	483	< .001	< .001
ankle	R-L	- hip_addu	R-L		0.08168	0.0139	5.88340	483	< .001	< .001
ankle	R-L	- hip_addu	R-R		0.04704	0.0139	3.38844	483	0.210	0.064
ankle	R-L	- hip_flex	R-L		0.05565	0.0139	4.00839	483	0.020	0.007
ankle	R-L	- hip_flex	R-R		0.10149	0.0139	7.31086	483	< .001	< .001
ankle	R-L	- hip_rot	R-L		0.20300	0.0139	14.62295	483	< .001	< .001
ankle	R-L	- hip_rot	R-R		0.19169	0.0139	13.80820	483	< .001	< .001
ankle	R-L	- knee	R-L		0.14089	0.0139	10.14895	483	< .001	< .001
ankle	R-L	- knee	R-R		-0.11999	0.0139	-8.64325	483	< .001	< .001

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
ankle	R-L	- subt	R-L	0.20452	0.0139	14.73241	483	< .001	< .001
ankle	R-L	- subt	R-R	0.17454	0.0139	12.57295	483	< .001	< .001
ankle	R-R	- hip_addu	R-R	-0.08735	0.0139	-6.29216	483	< .001	< .001
ankle	R-R	- hip_flex	R-R	-0.03290	0.0139	-2.36974	483	1.000	1.000
ankle	R-R	- hip_rot	R-R	0.05730	0.0139	4.12760	483	0.012	0.004
ankle	R-R	- knee	R-R	-0.25438	0.0139	-18.32385	483	< .001	< .001
ankle	R-R	- subt	R-R	0.04015	0.0139	2.89235	483	1.000	0.284
hip_addu	L-L	- ankle	L-R	-0.04441	0.0139	-3.19880	483	0.406	0.115
hip_addu	L-L	- ankle	R-L	-0.05578	0.0139	-4.01811	483	0.019	0.007
hip_addu	L-L	- ankle	R-R	0.07861	0.0139	5.66249	483	< .001	< .001
hip_addu	L-L	- hip_addu	L-R	0.02143	0.0139	1.54331	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-L	0.02589	0.0139	1.86529	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-R	-0.00874	0.0139	-0.62967	483	1.000	1.000
hip_addu	L-L	- hip_flex	L-L	0.04236	0.0139	3.05114	483	0.664	0.176
hip_addu	L-L	- hip_flex	L-R	0.01495	0.0139	1.07703	483	1.000	1.000
hip_addu	L-L	- hip_flex	R-L	-1.35e-4	0.0139	-0.00972	483	1.000	1.000
hip_addu	L-L	- hip_flex	R-R	0.04571	0.0139	3.29275	483	0.294	0.085
hip_addu	L-L	- hip_rot	L-L	0.12345	0.0139	8.89250	483	< .001	< .001
hip_addu	L-L	- hip_rot	L-R	0.13720	0.0139	9.88283	483	< .001	< .001
hip_addu	L-L	- hip_rot	R-L	0.14722	0.0139	10.60483	483	< .001	< .001
hip_addu	L-L	- hip_rot	R-R	0.13591	0.0139	9.79009	483	< .001	< .001
hip_addu	L-L	- knee	L-L	-0.15540	0.0139	-11.19397	483	< .001	< .001
hip_addu	L-L	- knee	L-R	0.08399	0.0139	6.04977	483	< .001	< .001
hip_addu	L-L	- knee	R-L	0.08511	0.0139	6.13083	483	< .001	< .001
hip_addu	L-L	- knee	R-R	-0.17577	0.0139	-12.66136	483	< .001	< .001
hip_addu	L-L	- subt	L-L	0.13157	0.0139	9.47766	483	< .001	< .001
hip_addu	L-L	- subt	L-R	0.13140	0.0139	9.46550	483	< .001	< .001
hip_addu	L-L	- subt	R-L	0.14874	0.0139	10.71430	483	< .001	< .001
hip_addu	L-L	- subt	R-R	0.11876	0.0139	8.55484	483	< .001	< .001
hip_addu	L-R	- ankle	R-L	-0.07721	0.0139	-5.56143	483	< .001	< .001
hip_addu	L-R	- ankle	R-R	0.05718	0.0139	4.11917	483	0.012	0.005
hip_addu	L-R	- hip_addu	R-L	0.00447	0.0139	0.32198	483	1.000	1.000
hip_addu	L-R	- hip_addu	R-R	-0.03017	0.0139	-2.17298	483	1.000	1.000
hip_addu	L-R	- hip_flex	L-R	-0.00647	0.0139	-0.46628	483	1.000	1.000
hip_addu	L-R	- hip_flex	R-L	-0.02156	0.0139	-1.55303	483	1.000	1.000
hip_addu	L-R	- hip_flex	R-R	0.02429	0.0139	1.74944	483	1.000	1.000
hip_addu	L-R	- hip_rot	L-R	0.11577	0.0139	8.33952	483	< .001	< .001
hip_addu	L-R	- hip_rot	R-L	0.12580	0.0139	9.06152	483	< .001	< .001
hip_addu	L-R	- hip_rot	R-R	0.11449	0.0139	8.24677	483	< .001	< .001
hip_addu	L-R	- knee	L-R	0.06256	0.0139	4.50645	483	0.002	< .001
hip_addu	L-R	- knee	R-L	0.06369	0.0139	4.58752	483	0.002	< .001
hip_addu	L-R	- knee	R-R	-0.19720	0.0139	-14.20468	483	< .001	< .001
hip_addu	L-R	- subt	L-R	0.10998	0.0139	7.92219	483	< .001	< .001
hip_addu	L-R	- subt	R-L	0.12732	0.0139	9.17098	483	< .001	< .001
hip_addu	L-R	- subt	R-R	0.09734	0.0139	7.01152	483	< .001	< .001
hip_addu	R-L	- ankle	R-R	0.05271	0.0139	3.79720	483	0.046	0.015
hip_addu	R-L	- hip_addu	R-R	-0.03464	0.0139	-2.49496	483	1.000	0.789
hip_addu	R-L	- hip_flex	R-L	-0.02603	0.0139	-1.87501	483	1.000	1.000
hip_addu	R-L	- hip_flex	R-R	0.01982	0.0139	1.42746	483	1.000	1.000

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
hip_addu	R-L	- hip_rot	R-L	0.12133	0.0139	8.73954	483	< .001	< .001
hip_addu	R-L	- hip_rot	R-R	0.11002	0.0139	7.92480	483	< .001	< .001
hip_addu	R-L	- knee	R-L	0.05922	0.0139	4.26554	483	0.007	0.003
hip_addu	R-L	- knee	R-R	-0.20167	0.0139	-14.52665	483	< .001	< .001
hip_addu	R-L	- subt	R-L	0.12285	0.0139	8.84901	483	< .001	< .001
hip_addu	R-L	- subt	R-R	0.09287	0.0139	6.68955	483	< .001	< .001
hip_addu	R-R	- hip_flex	R-R	0.05445	0.0139	3.92242	483	0.028	0.010
hip_addu	R-R	- hip_rot	R-R	0.14465	0.0139	10.41976	483	< .001	< .001
hip_addu	R-R	- knee	R-R	-0.16703	0.0139	-12.03169	483	< .001	< .001
hip_addu	R-R	- subt	R-R	0.12750	0.0139	9.18451	483	< .001	< .001
hip_flex	L-L	- ankle	L-R	-0.08676	0.0139	-6.24994	483	< .001	< .001
hip_flex	L-L	- ankle	R-L	-0.09814	0.0139	-7.06925	483	< .001	< .001
hip_flex	L-L	- ankle	R-R	0.03625	0.0139	2.61135	483	1.000	0.595
hip_flex	L-L	- hip_addu	L-R	-0.02093	0.0139	-1.50782	483	1.000	1.000
hip_flex	L-L	- hip_addu	R-L	-0.01646	0.0139	-1.18585	483	1.000	1.000
hip_flex	L-L	- hip_addu	R-R	-0.05110	0.0139	-3.68081	483	0.071	0.023
hip_flex	L-L	- hip_flex	L-R	-0.02741	0.0139	-1.97411	483	1.000	1.000
hip_flex	L-L	- hip_flex	R-L	-0.04249	0.0139	-3.06086	483	0.643	0.172
hip_flex	L-L	- hip_flex	R-R	0.00335	0.0139	0.24161	483	1.000	1.000
hip_flex	L-L	- hip_rot	L-L	0.08109	0.0139	5.84136	483	< .001	< .001
hip_flex	L-L	- hip_rot	L-R	0.09484	0.0139	6.83169	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-L	0.10486	0.0139	7.55370	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-R	0.09355	0.0139	6.73895	483	< .001	< .001
hip_flex	L-L	- knee	L-L	-0.19776	0.0139	-14.24510	483	< .001	< .001
hip_flex	L-L	- knee	L-R	0.04163	0.0139	2.99863	483	0.787	0.205
hip_flex	L-L	- knee	R-L	0.04275	0.0139	3.07970	483	0.604	0.164
hip_flex	L-L	- knee	R-R	-0.21813	0.0139	-15.71250	483	< .001	< .001
hip_flex	L-L	- subt	L-L	0.08922	0.0139	6.42652	483	< .001	< .001
hip_flex	L-L	- subt	L-R	0.08905	0.0139	6.41436	483	< .001	< .001
hip_flex	L-L	- subt	R-L	0.10638	0.0139	7.66316	483	< .001	< .001
hip_flex	L-L	- subt	R-R	0.07641	0.0139	5.50370	483	< .001	< .001
hip_flex	L-R	- ankle	R-L	-0.07073	0.0139	-5.09514	483	< .001	< .001
hip_flex	L-R	- ankle	R-R	0.06366	0.0139	4.58546	483	0.002	< .001
hip_flex	L-R	- hip_addu	R-L	0.01094	0.0139	0.78826	483	1.000	1.000
hip_flex	L-R	- hip_addu	R-R	-0.02369	0.0139	-1.70670	483	1.000	1.000
hip_flex	L-R	- hip_flex	R-L	-0.01509	0.0139	-1.08675	483	1.000	1.000
hip_flex	L-R	- hip_flex	R-R	0.03076	0.0139	2.21572	483	1.000	1.000
hip_flex	L-R	- hip_rot	L-R	0.12225	0.0139	8.80580	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-L	0.13227	0.0139	9.52780	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-R	0.12096	0.0139	8.71306	483	< .001	< .001
hip_flex	L-R	- knee	L-R	0.06903	0.0139	4.97274	483	< .001	< .001
hip_flex	L-R	- knee	R-L	0.07016	0.0139	5.05380	483	< .001	< .001
hip_flex	L-R	- knee	R-R	-0.19072	0.0139	-13.73839	483	< .001	< .001
hip_flex	L-R	- subt	L-R	0.11645	0.0139	8.38847	483	< .001	< .001
hip_flex	L-R	- subt	R-L	0.13379	0.0139	9.63727	483	< .001	< .001
hip_flex	L-R	- subt	R-R	0.10381	0.0139	7.47781	483	< .001	< .001
hip_flex	R-L	- ankle	R-R	0.07874	0.0139	5.67221	483	< .001	< .001
hip_flex	R-L	- hip_addu	R-R	-0.00861	0.0139	-0.61995	483	1.000	1.000
hip_flex	R-L	- hip_flex	R-R	0.04585	0.0139	3.30247	483	0.284	0.083

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
hip_flex	R-L	- hip_rot	R-L	0.14736	0.0139	10.61455	483	< .001	< .001
hip_flex	R-L	- hip_rot	R-R	0.13605	0.0139	9.79981	483	< .001	< .001
hip_flex	R-L	- knee	R-L	0.08525	0.0139	6.14056	483	< .001	< .001
hip_flex	R-L	- knee	R-R	-0.17564	0.0139	-12.65164	483	< .001	< .001
hip_flex	R-L	- subt	R-L	0.14888	0.0139	10.72402	483	< .001	< .001
hip_flex	R-L	- subt	R-R	0.11890	0.0139	8.56456	483	< .001	< .001
hip_flex	R-R	- hip_rot	R-R	0.09020	0.0139	6.49734	483	< .001	< .001
hip_flex	R-R	- knee	R-R	-0.22148	0.0139	-15.95411	483	< .001	< .001
hip_flex	R-R	- subt	R-R	0.07305	0.0139	5.26209	483	< .001	< .001
hip_rot	L-L	- ankle	L-R	-0.16786	0.0139	-12.09130	483	< .001	< .001
hip_rot	L-L	- ankle	R-L	-0.17923	0.0139	-12.91061	483	< .001	< .001
hip_rot	L-L	- ankle	R-R	-0.04484	0.0139	-3.23001	483	0.365	0.104
hip_rot	L-L	- hip_addu	L-R	-0.10203	0.0139	-7.34919	483	< .001	< .001
hip_rot	L-L	- hip_addu	R-L	-0.09756	0.0139	-7.02721	483	< .001	< .001
hip_rot	L-L	- hip_addu	R-R	-0.13219	0.0139	-9.52217	483	< .001	< .001
hip_rot	L-L	- hip_flex	L-R	-0.10850	0.0139	-7.81547	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-L	-0.12359	0.0139	-8.90222	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-R	-0.07774	0.0139	-5.59975	483	< .001	< .001
hip_rot	L-L	- hip_rot	L-R	0.01375	0.0139	0.99033	483	1.000	1.000
hip_rot	L-L	- hip_rot	R-L	0.02377	0.0139	1.71233	483	1.000	1.000
hip_rot	L-L	- hip_rot	R-R	0.01246	0.0139	0.89759	483	1.000	1.000
hip_rot	L-L	- knee	L-L	-0.27885	0.0139	-20.08646	483	< .001	< .001
hip_rot	L-L	- knee	L-R	-0.03946	0.0139	-2.84273	483	1.000	0.326
hip_rot	L-L	- knee	R-L	-0.03834	0.0139	-2.76167	483	1.000	0.400
hip_rot	L-L	- knee	R-R	-0.29922	0.0139	-21.55386	483	< .001	< .001
hip_rot	L-L	- subt	L-L	0.00812	0.0139	0.58516	483	1.000	1.000
hip_rot	L-L	- subt	L-R	0.00795	0.0139	0.57300	483	1.000	1.000
hip_rot	L-L	- subt	R-L	0.02529	0.0139	1.82180	483	1.000	1.000
hip_rot	L-L	- subt	R-R	-0.00469	0.0139	-0.33766	483	1.000	1.000
hip_rot	L-R	- ankle	R-L	-0.19298	0.0139	-13.90094	483	< .001	< .001
hip_rot	L-R	- ankle	R-R	-0.05859	0.0139	-4.22034	483	0.008	0.003
hip_rot	L-R	- hip_addu	R-L	-0.11130	0.0139	-8.01754	483	< .001	< .001
hip_rot	L-R	- hip_addu	R-R	-0.14594	0.0139	-10.51250	483	< .001	< .001
hip_rot	L-R	- hip_flex	R-L	-0.13733	0.0139	-9.89255	483	< .001	< .001
hip_rot	L-R	- hip_flex	R-R	-0.09149	0.0139	-6.59008	483	< .001	< .001
hip_rot	L-R	- hip_rot	R-L	0.01002	0.0139	0.72200	483	1.000	1.000
hip_rot	L-R	- hip_rot	R-R	-0.00129	0.0139	-0.09274	483	1.000	1.000
hip_rot	L-R	- knee	L-R	-0.05321	0.0139	-3.83306	483	0.040	0.014
hip_rot	L-R	- knee	R-L	-0.05209	0.0139	-3.75200	483	0.054	0.018
hip_rot	L-R	- knee	R-R	-0.31297	0.0139	-22.54419	483	< .001	< .001
hip_rot	L-R	- subt	L-R	-0.00579	0.0139	-0.41733	483	1.000	1.000
hip_rot	L-R	- subt	R-L	0.01154	0.0139	0.83147	483	1.000	1.000
hip_rot	L-R	- subt	R-R	-0.01844	0.0139	-1.32799	483	1.000	1.000
hip_rot	R-L	- ankle	R-R	-0.06861	0.0139	-4.94235	483	< .001	< .001
hip_rot	R-L	- hip_addu	R-R	-0.15596	0.0139	-11.23450	483	< .001	< .001
hip_rot	R-L	- hip_flex	R-R	-0.10151	0.0139	-7.31208	483	< .001	< .001
hip_rot	R-L	- hip_rot	R-R	-0.01131	0.0139	-0.81475	483	1.000	1.000
hip_rot	R-L	- knee	R-L	-0.06211	0.0139	-4.47400	483	0.003	0.001
hip_rot	R-L	- knee	R-R	-0.32299	0.0139	-23.26620	483	< .001	< .001

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
hip_rot	R-L	- subt	R-L	0.00152	0.0139	0.10946	483	1.000	1.000
hip_rot	R-L	- subt	R-R	-0.02846	0.0139	-2.05000	483	1.000	1.000
hip_rot	R-R	- knee	R-R	-0.31168	0.0139	-22.45145	483	< .001	< .001
hip_rot	R-R	- subt	R-R	-0.01715	0.0139	-1.23525	483	1.000	1.000
knee	L-L	- ankle	L-R	0.11099	0.0139	7.99517	483	< .001	< .001
knee	L-L	- ankle	R-L	0.09962	0.0139	7.17585	483	< .001	< .001
knee	L-L	- ankle	R-R	0.23401	0.0139	16.85645	483	< .001	< .001
knee	L-L	- hip_addu	L-R	0.17683	0.0139	12.73728	483	< .001	< .001
knee	L-L	- hip_addu	R-L	0.18130	0.0139	13.05925	483	< .001	< .001
knee	L-L	- hip_addu	R-R	0.14666	0.0139	10.56429	483	< .001	< .001
knee	L-L	- hip_flex	L-R	0.17035	0.0139	12.27099	483	< .001	< .001
knee	L-L	- hip_flex	R-L	0.15527	0.0139	11.18424	483	< .001	< .001
knee	L-L	- hip_flex	R-R	0.20111	0.0139	14.48671	483	< .001	< .001
knee	L-L	- hip_rot	L-R	0.29260	0.0139	21.07679	483	< .001	< .001
knee	L-L	- hip_rot	R-L	0.30262	0.0139	21.79880	483	< .001	< .001
knee	L-L	- hip_rot	R-R	0.29131	0.0139	20.98405	483	< .001	< .001
knee	L-L	- knee	L-R	0.23939	0.0139	17.24373	483	< .001	< .001
knee	L-L	- knee	R-L	0.24051	0.0139	17.32480	483	< .001	< .001
knee	L-L	- knee	R-R	-0.02037	0.0139	-1.46740	483	1.000	1.000
knee	L-L	- subt	L-L	0.28697	0.0139	20.67163	483	< .001	< .001
knee	L-L	- subt	L-R	0.28680	0.0139	20.65947	483	< .001	< .001
knee	L-L	- subt	R-L	0.30414	0.0139	21.90826	483	< .001	< .001
knee	L-L	- subt	R-R	0.27416	0.0139	19.74880	483	< .001	< .001
knee	L-R	- ankle	R-L	-0.13977	0.0139	-10.06788	483	< .001	< .001
knee	L-R	- ankle	R-R	-0.00538	0.0139	-0.38728	483	1.000	1.000
knee	L-R	- hip_addu	R-L	-0.05809	0.0139	-4.18448	483	0.009	0.004
knee	L-R	- hip_addu	R-R	-0.09273	0.0139	-6.67944	483	< .001	< .001
knee	L-R	- hip_flex	R-L	-0.08412	0.0139	-6.05949	483	< .001	< .001
knee	L-R	- hip_flex	R-R	-0.03827	0.0139	-2.75702	483	1.000	0.400
knee	L-R	- hip_rot	R-L	0.06324	0.0139	4.55507	483	0.002	< .001
knee	L-R	- hip_rot	R-R	0.05192	0.0139	3.74032	483	0.057	0.018
knee	L-R	- knee	R-L	0.00113	0.0139	0.08107	483	1.000	1.000
knee	L-R	- knee	R-R	-0.25976	0.0139	-18.71113	483	< .001	< .001
knee	L-R	- subt	L-R	0.04742	0.0139	3.41573	483	0.190	0.059
knee	L-R	- subt	R-L	0.06476	0.0139	4.66453	483	0.001	< .001
knee	L-R	- subt	R-R	0.03478	0.0139	2.50507	483	1.000	0.779
knee	R-L	- ankle	R-R	-0.00650	0.0139	-0.46835	483	1.000	1.000
knee	R-L	- hip_addu	R-R	-0.09385	0.0139	-6.76050	483	< .001	< .001
knee	R-L	- hip_flex	R-R	-0.03940	0.0139	-2.83808	483	1.000	0.326
knee	R-L	- hip_rot	R-R	0.05080	0.0139	3.65925	483	0.078	0.024
knee	R-L	- knee	R-R	-0.26088	0.0139	-18.79220	483	< .001	< .001
knee	R-L	- subt	R-L	0.06363	0.0139	4.58346	483	0.002	< .001
knee	R-L	- subt	R-R	0.03365	0.0139	2.42400	483	1.000	0.943
knee	R-R	- subt	R-R	0.29453	0.0139	21.21620	483	< .001	< .001
subt	L-L	- ankle	L-R	-0.17598	0.0139	-12.67646	483	< .001	< .001
subt	L-L	- ankle	R-L	-0.18736	0.0139	-13.49578	483	< .001	< .001
subt	L-L	- ankle	R-R	-0.05296	0.0139	-3.81517	483	0.042	0.015
subt	L-L	- hip_addu	L-R	-0.11015	0.0139	-7.93435	483	< .001	< .001
subt	L-L	- hip_addu	R-L	-0.10568	0.0139	-7.61237	483	< .001	< .001

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
subt	L-L	- hip_addu	R-R	-0.14031	0.0139	-10.10733	483	< .001	< .001
subt	L-L	- hip_flex	L-R	-0.11662	0.0139	-8.40063	483	< .001	< .001
subt	L-L	- hip_flex	R-L	-0.13171	0.0139	-9.48738	483	< .001	< .001
subt	L-L	- hip_flex	R-R	-0.08586	0.0139	-6.18491	483	< .001	< .001
subt	L-L	- hip_rot	L-R	0.00562	0.0139	0.40517	483	1.000	1.000
subt	L-L	- hip_rot	R-L	0.01565	0.0139	1.12717	483	1.000	1.000
subt	L-L	- hip_rot	R-R	0.00434	0.0139	0.31242	483	1.000	1.000
subt	L-L	- knee	L-R	-0.04759	0.0139	-3.42789	483	0.182	0.057
subt	L-L	- knee	R-L	-0.04646	0.0139	-3.34683	483	0.243	0.073
subt	L-L	- knee	R-R	-0.30734	0.0139	-22.13903	483	< .001	< .001
subt	L-L	- subt	L-R	-1.69e-4	0.0139	-0.01216	483	1.000	1.000
subt	L-L	- subt	R-L	0.01717	0.0139	1.23664	483	1.000	1.000
subt	L-L	- subt	R-R	-0.01281	0.0139	-0.92283	483	1.000	1.000
subt	L-R	- ankle	R-L	-0.18719	0.0139	-13.48362	483	< .001	< .001
subt	L-R	- ankle	R-R	-0.05280	0.0139	-3.80301	483	0.045	0.015
subt	L-R	- hip_addu	R-L	-0.10551	0.0139	-7.60021	483	< .001	< .001
subt	L-R	- hip_addu	R-R	-0.14015	0.0139	-10.09517	483	< .001	< .001
subt	L-R	- hip_flex	R-L	-0.13154	0.0139	-9.47522	483	< .001	< .001
subt	L-R	- hip_flex	R-R	-0.08569	0.0139	-6.17275	483	< .001	< .001
subt	L-R	- hip_rot	R-L	0.01582	0.0139	1.13933	483	1.000	1.000
subt	L-R	- hip_rot	R-R	0.00451	0.0139	0.32458	483	1.000	1.000
subt	L-R	- knee	R-L	-0.04629	0.0139	-3.33467	483	0.254	0.075
subt	L-R	- knee	R-R	-0.30718	0.0139	-22.12686	483	< .001	< .001
subt	L-R	- subt	R-L	0.01734	0.0139	1.24880	483	1.000	1.000
subt	L-R	- subt	R-R	-0.01264	0.0139	-0.91066	483	1.000	1.000
subt	R-L	- ankle	R-R	-0.07013	0.0139	-5.05181	483	< .001	< .001
subt	R-L	- hip_addu	R-R	-0.15748	0.0139	-11.34397	483	< .001	< .001
subt	R-L	- hip_flex	R-R	-0.10303	0.0139	-7.42155	483	< .001	< .001
subt	R-L	- hip_rot	R-R	-0.01283	0.0139	-0.92421	483	1.000	1.000
subt	R-L	- knee	R-R	-0.32451	0.0139	-23.37566	483	< .001	< .001
subt	R-L	- subt	R-R	-0.02998	0.0139	-2.15946	483	1.000	1.000

Note: Residuals plotted by sujeto

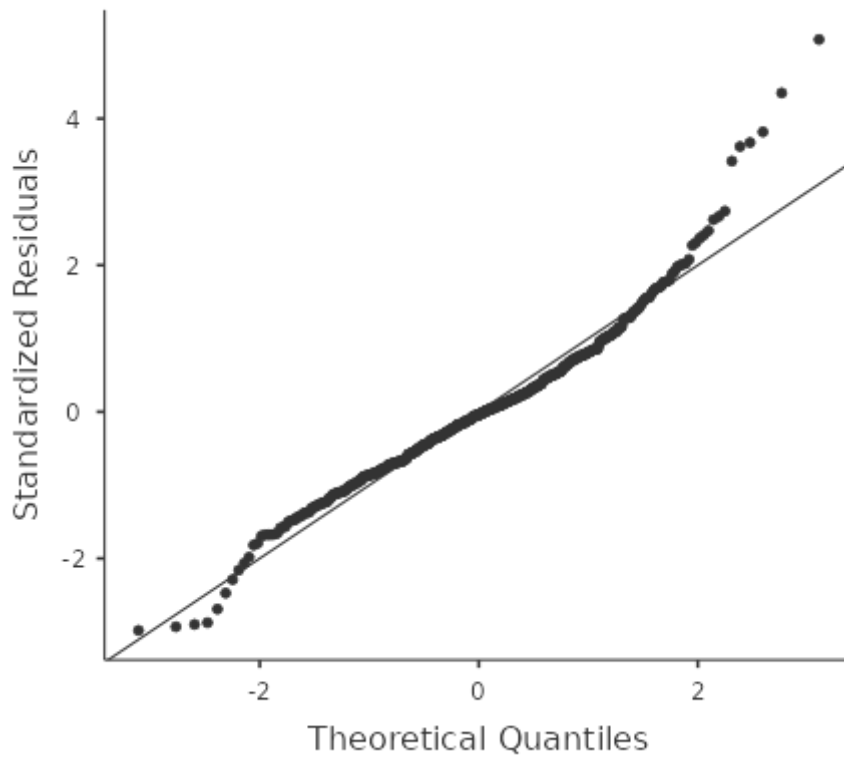
Assumption Checks

Test for Normality of residuals

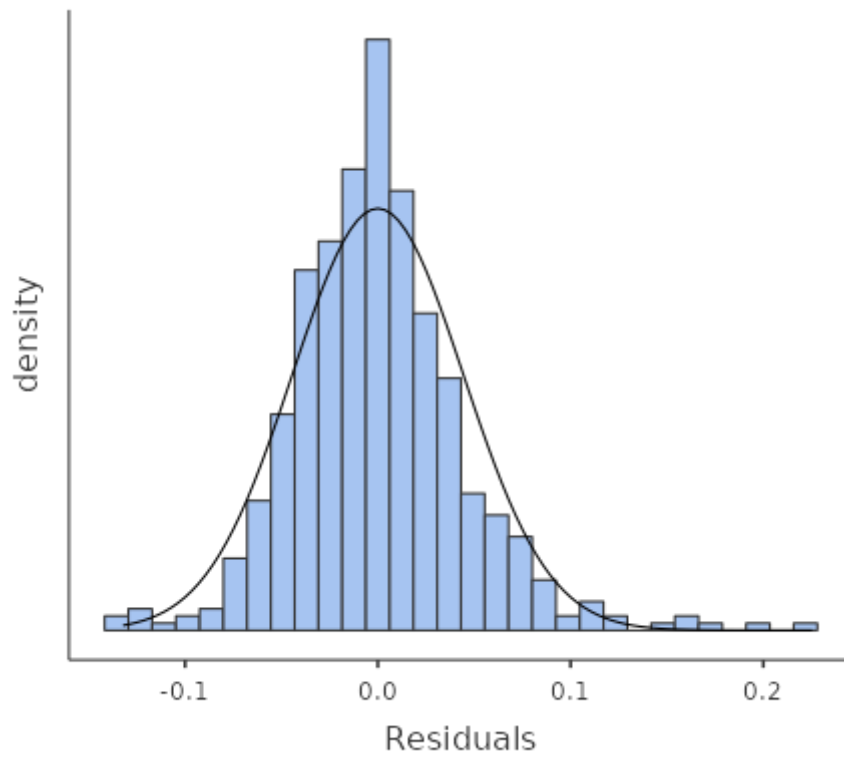
Test	Statistics	p
Kolmogorov-Smirnov	0.0684	0.014
Shapiro-Wilk	0.9597	< .001

Q-Q Plot



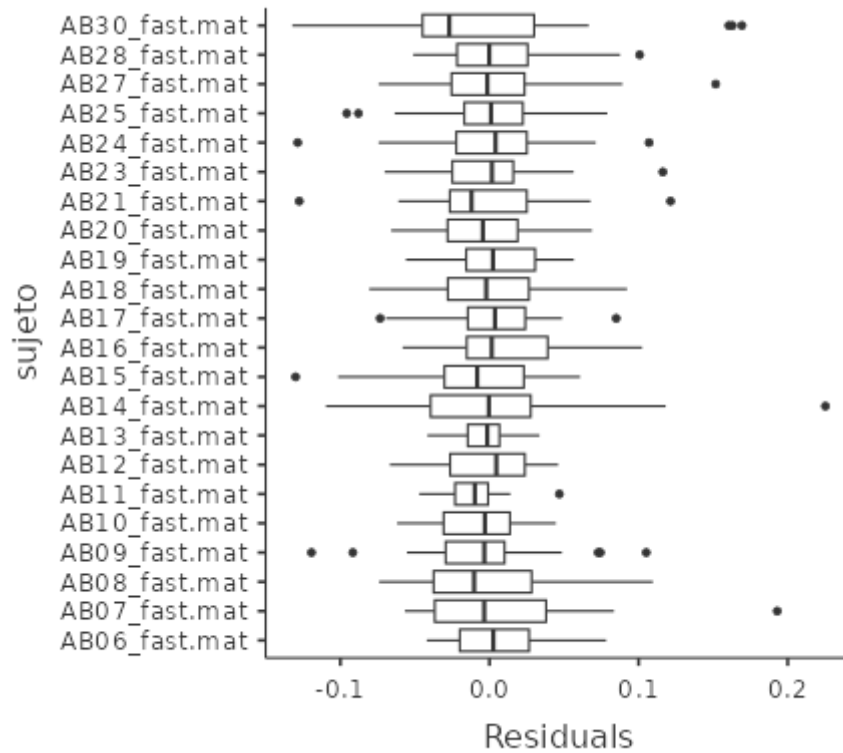


Residual histogram



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/>.