

# Resultados

## Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+( 1   sujeto )
AIC	-1740.838
BIC	-1450.718
LogLikel.	806.857
R-squared Marginal	0.870
R-squared Conditional	0.886
Converged	yes
Optimizer	bobyqa

[3]

## Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
angulo	360.0	5	483	< .001
lados	22.4	3	483	< .001
angulo * lados	142.6	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)	0.10624	0.00392	0.09855	0.11393	21.0	27.069	< .001
angulo1	hip_addu - ankle	-0.07002	0.00663	-0.08303	-0.05702	483.0	-10.554	< .001
angulo2	hip_flex - ankle	0.08871	0.00663	0.07571	0.10172	483.0	13.371	< .001
angulo3	hip_rot - ankle	-0.04876	0.00663	-0.06176	-0.03575	483.0	-7.349	< .001
angulo4	knee - ankle	0.14925	0.00663	0.13625	0.16226	483.0	22.496	< .001
angulo5	subt - ankle	-0.05387	0.00663	-0.06687	-0.04086	483.0	-8.119	< .001
lados1	L-R - L-L	-0.02437	0.00542	-0.03499	-0.01376	483.0	-4.499	< .001
lados2	R-L - L-L	-0.01964	0.00542	-0.03026	-0.00902	483.0	-3.625	< .001
lados3	R-R - L-L	0.01483	0.00542	0.00421	0.02544	483.0	2.737	0.006
angulo1 * lados1	hip_addu - ankle * L-R - L-L	-0.16735	0.01877	-0.20413	-0.13057	483.0	-8.918	< .001
angulo2 * lados1	hip_flex - ankle * L-R - L-L	-0.02516	0.01877	-0.06194	0.01162	483.0	-1.341	0.181
angulo3 * lados1	hip_rot - ankle * L-R - L-L	-0.18485	0.01877	-0.22163	-0.14807	483.0	-9.850	< .001
angulo4 * lados1	knee - ankle * L-R - L-L	-0.52132	0.01877	-0.55810	-0.48454	483.0	-27.780	< .001
angulo5 * lados1	subt - ankle * L-R - L-L	-0.12970	0.01877	-0.16648	-0.09292	483.0	-6.911	< .001
angulo1 * lados2	hip_addu - ankle * R-L - L-L	-0.17986	0.01877	-0.21664	-0.14308	483.0	-9.584	< .001
angulo2 * lados2	hip_flex - ankle * R-L - L-L	-0.00820	0.01877	-0.04498	0.02858	483.0	-0.437	0.662
angulo3 * lados2	hip_rot - ankle * R-L - L-L	-0.20506	0.01877	-0.24184	-0.16828	483.0	-10.927	< .001
angulo4 * lados2	knee - ankle * R-L - L-L	-0.51404	0.01877	-0.55082	-0.47726	483.0	-27.392	< .001
angulo5 * lados2	subt - ankle * R-L - L-L	-0.15828	0.01877	-0.19507	-0.12150	483.0	-8.435	< .001
angulo1 * lados3	hip_addu - ankle * R-R - L-L	-0.01137	0.01877	-0.04815	0.02541	483.0	-0.606	0.545
angulo2 * lados3	hip_flex - ankle * R-R - L-L	-0.00452	0.01877	-0.04130	0.03226	483.0	-0.241	0.810
angulo3 * lados3	hip_rot - ankle * R-R - L-L	0.01516	0.01877	-0.02162	0.05194	483.0	0.808	0.420
angulo4 * lados3	knee - ankle * R-R - L-L	0.03304	0.01877	-0.00374	0.06982	483.0	1.761	0.079
angulo5 * lados3	subt - ankle * R-R - L-L	0.00848	0.01877	-0.02830	0.04526	483.0	0.452	0.652

## Random Components

Groups	Name	SD	Variance	ICC
sujeto	(Intercept)	0.0161	2.58e-4	0.118
Residual		0.0440	0.00194	

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		-0.14702	0.0133	-11.07965	483	< .001	< .001
ankle	L-L	- ankle	R-L		-0.15793	0.0133	-11.90202	483	< .001	< .001
ankle	L-L	- ankle	R-R		-0.00803	0.0133	-0.60504	483	1.000	1.000
ankle	L-L	- hip_addu	L-L		-0.01962	0.0133	-1.47871	483	1.000	1.000
ankle	L-L	- hip_addu	L-R		7.07e-4	0.0133	0.05326	483	1.000	1.000
ankle	L-L	- hip_addu	R-L		0.00230	0.0133	0.17362	483	1.000	1.000
ankle	L-L	- hip_addu	R-R		-0.01628	0.0133	-1.22720	483	1.000	1.000
ankle	L-L	- hip_flex	L-L		-0.09818	0.0133	-7.39906	483	< .001	< .001
ankle	L-L	- hip_flex	L-R		-0.22004	0.0133	-16.58255	483	< .001	< .001
ankle	L-L	- hip_flex	R-L		-0.24792	0.0133	-18.68335	483	< .001	< .001
ankle	L-L	- hip_flex	R-R		-0.10169	0.0133	-7.66326	483	< .001	< .001
ankle	L-L	- hip_rot	L-L		-0.04493	0.0133	-3.38602	483	0.212	0.085
ankle	L-L	- hip_rot	L-R		-0.00710	0.0133	-0.53541	483	1.000	1.000
ankle	L-L	- hip_rot	R-L		0.00220	0.0133	0.16557	483	1.000	1.000
ankle	L-L	- hip_rot	R-R		-0.06812	0.0133	-5.13345	483	< .001	< .001
ankle	L-L	- knee	L-L		-0.39983	0.0133	-30.13160	483	< .001	< .001
ankle	L-L	- knee	L-R		-0.02554	0.0133	-1.92462	483	1.000	1.000
ankle	L-L	- knee	R-L		-0.04372	0.0133	-3.29507	483	0.292	0.115
ankle	L-L	- knee	R-R		-0.44090	0.0133	-33.22649	483	< .001	< .001
ankle	L-L	- subt	L-L		-0.01601	0.0133	-1.20631	483	1.000	1.000
ankle	L-L	- subt	L-R		-0.03333	0.0133	-2.51178	483	1.000	1.000
ankle	L-L	- subt	R-L		-0.01566	0.0133	-1.17995	483	1.000	1.000
ankle	L-L	- subt	R-R		-0.03252	0.0133	-2.45039	483	1.000	1.000
ankle	L-R	- ankle	R-L		-0.01091	0.0133	-0.82238	483	1.000	1.000
ankle	L-R	- ankle	R-R		0.13899	0.0133	10.47461	483	< .001	< .001
ankle	L-R	- hip_addu	L-R		0.14773	0.0133	11.13291	483	< .001	< .001
ankle	L-R	- hip_addu	R-L		0.14933	0.0133	11.25327	483	< .001	< .001
ankle	L-R	- hip_addu	R-R		0.13074	0.0133	9.85245	483	< .001	< .001
ankle	L-R	- hip_flex	L-R		-0.07302	0.0133	-5.50291	483	< .001	< .001
ankle	L-R	- hip_flex	R-L		-0.10090	0.0133	-7.60370	483	< .001	< .001
ankle	L-R	- hip_flex	R-R		0.04533	0.0133	3.41639	483	0.190	0.077
ankle	L-R	- hip_rot	L-R		0.13992	0.0133	10.54424	483	< .001	< .001
ankle	L-R	- hip_rot	R-L		0.14922	0.0133	11.24522	483	< .001	< .001
ankle	L-R	- hip_rot	R-R		0.07890	0.0133	5.94619	483	< .001	< .001
ankle	L-R	- knee	L-R		0.12148	0.0133	9.15503	483	< .001	< .001
ankle	L-R	- knee	R-L		0.10330	0.0133	7.78458	483	< .001	< .001
ankle	L-R	- knee	R-R		-0.29388	0.0133	-22.14684	483	< .001	< .001
ankle	L-R	- subt	L-R		0.11369	0.0133	8.56786	483	< .001	< .001
ankle	L-R	- subt	R-L		0.13136	0.0133	9.89970	483	< .001	< .001
ankle	L-R	- subt	R-R		0.11451	0.0133	8.62926	483	< .001	< .001
ankle	R-L	- ankle	R-R		0.14991	0.0133	11.29698	483	< .001	< .001
ankle	R-L	- hip_addu	R-L		0.16024	0.0133	12.07565	483	< .001	< .001
ankle	R-L	- hip_addu	R-R		0.14165	0.0133	10.67483	483	< .001	< .001
ankle	R-L	- hip_flex	R-L		-0.08999	0.0133	-6.78132	483	< .001	< .001
ankle	R-L	- hip_flex	R-R		0.05625	0.0133	4.23876	483	0.007	0.003
ankle	R-L	- hip_rot	R-L		0.16013	0.0133	12.06759	483	< .001	< .001
ankle	R-L	- hip_rot	R-R		0.08982	0.0133	6.76857	483	< .001	< .001
ankle	R-L	- knee	R-L		0.11421	0.0133	8.60696	483	< .001	< .001
ankle	R-L	- knee	R-R		-0.28297	0.0133	-21.32446	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	0.14228	0.0133	10.72207	483	< .001	< .001
ankle	R-L	- subt	R-R	0.12542	0.0133	9.45164	483	< .001	< .001
ankle	R-R	- hip_addu	R-R	-0.00826	0.0133	-0.62216	483	1.000	1.000
ankle	R-R	- hip_flex	R-R	-0.09366	0.0133	-7.05822	483	< .001	< .001
ankle	R-R	- hip_rot	R-R	-0.06009	0.0133	-4.52841	483	0.002	< .001
ankle	R-R	- knee	R-R	-0.43287	0.0133	-32.62145	483	< .001	< .001
ankle	R-R	- subt	R-R	-0.02449	0.0133	-1.84535	483	1.000	1.000
hip_addu	L-L	- ankle	L-R	-0.12740	0.0133	-9.60094	483	< .001	< .001
hip_addu	L-L	- ankle	R-L	-0.13831	0.0133	-10.42331	483	< .001	< .001
hip_addu	L-L	- ankle	R-R	0.01159	0.0133	0.87367	483	1.000	1.000
hip_addu	L-L	- hip_addu	L-R	0.02033	0.0133	1.53197	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-L	0.02193	0.0133	1.65233	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-R	0.00334	0.0133	0.25152	483	1.000	1.000
hip_addu	L-L	- hip_flex	L-L	-0.07856	0.0133	-5.92035	483	< .001	< .001
hip_addu	L-L	- hip_flex	L-R	-0.20042	0.0133	-15.10384	483	< .001	< .001
hip_addu	L-L	- hip_flex	R-L	-0.22830	0.0133	-17.20463	483	< .001	< .001
hip_addu	L-L	- hip_flex	R-R	-0.08207	0.0133	-6.18455	483	< .001	< .001
hip_addu	L-L	- hip_rot	L-L	-0.02531	0.0133	-1.90730	483	1.000	1.000
hip_addu	L-L	- hip_rot	L-R	0.01252	0.0133	0.94330	483	1.000	1.000
hip_addu	L-L	- hip_rot	R-L	0.02182	0.0133	1.64428	483	1.000	1.000
hip_addu	L-L	- hip_rot	R-R	-0.04850	0.0133	-3.65474	483	0.079	0.034
hip_addu	L-L	- knee	L-L	-0.38021	0.0133	-28.65289	483	< .001	< .001
hip_addu	L-L	- knee	L-R	-0.00592	0.0133	-0.44591	483	1.000	1.000
hip_addu	L-L	- knee	R-L	-0.02410	0.0133	-1.81635	483	1.000	1.000
hip_addu	L-L	- knee	R-R	-0.42128	0.0133	-31.74777	483	< .001	< .001
hip_addu	L-L	- subt	L-L	0.00361	0.0133	0.27240	483	1.000	1.000
hip_addu	L-L	- subt	L-R	-0.01371	0.0133	-1.03307	483	1.000	1.000
hip_addu	L-L	- subt	R-L	0.00396	0.0133	0.29876	483	1.000	1.000
hip_addu	L-L	- subt	R-R	-0.01289	0.0133	-0.97167	483	1.000	1.000
hip_addu	L-R	- ankle	R-L	-0.15864	0.0133	-11.95528	483	< .001	< .001
hip_addu	L-R	- ankle	R-R	-0.00874	0.0133	-0.65830	483	1.000	1.000
hip_addu	L-R	- hip_addu	R-L	0.00160	0.0133	0.12036	483	1.000	1.000
hip_addu	L-R	- hip_addu	R-R	-0.01699	0.0133	-1.28046	483	1.000	1.000
hip_addu	L-R	- hip_flex	L-R	-0.22075	0.0133	-16.63581	483	< .001	< .001
hip_addu	L-R	- hip_flex	R-L	-0.24863	0.0133	-18.73661	483	< .001	< .001
hip_addu	L-R	- hip_flex	R-R	-0.10239	0.0133	-7.71652	483	< .001	< .001
hip_addu	L-R	- hip_rot	L-R	-0.00781	0.0133	-0.58867	483	1.000	1.000
hip_addu	L-R	- hip_rot	R-L	0.00149	0.0133	0.11231	483	1.000	1.000
hip_addu	L-R	- hip_rot	R-R	-0.06883	0.0133	-5.18671	483	< .001	< .001
hip_addu	L-R	- knee	L-R	-0.02625	0.0133	-1.97788	483	1.000	1.000
hip_addu	L-R	- knee	R-L	-0.04443	0.0133	-3.34833	483	0.242	0.096
hip_addu	L-R	- knee	R-R	-0.44161	0.0133	-33.27975	483	< .001	< .001
hip_addu	L-R	- subt	L-R	-0.03404	0.0133	-2.56504	483	1.000	1.000
hip_addu	L-R	- subt	R-L	-0.01636	0.0133	-1.23321	483	1.000	1.000
hip_addu	L-R	- subt	R-R	-0.03322	0.0133	-2.50365	483	1.000	1.000
hip_addu	R-L	- ankle	R-R	-0.01033	0.0133	-0.77866	483	1.000	1.000
hip_addu	R-L	- hip_addu	R-R	-0.01859	0.0133	-1.40082	483	1.000	1.000
hip_addu	R-L	- hip_flex	R-L	-0.25022	0.0133	-18.85697	483	< .001	< .001
hip_addu	R-L	- hip_flex	R-R	-0.10399	0.0133	-7.83688	483	< .001	< .001

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
hip_addu	R-L	- hip_rot	R-L	-1.07e-4	0.0133	-0.00805	483	1.000	1.000
hip_addu	R-L	- hip_rot	R-R	-0.07042	0.0133	-5.30708	483	< .001	< .001
hip_addu	R-L	- knee	R-L	-0.04603	0.0133	-3.46869	483	0.157	0.066
hip_addu	R-L	- knee	R-R	-0.44320	0.0133	-33.40011	483	< .001	< .001
hip_addu	R-L	- subt	R-L	-0.01796	0.0133	-1.35357	483	1.000	1.000
hip_addu	R-L	- subt	R-R	-0.03482	0.0133	-2.62401	483	1.000	0.888
hip_addu	R-R	- hip_flex	R-R	-0.08540	0.0133	-6.43606	483	< .001	< .001
hip_addu	R-R	- hip_rot	R-R	-0.05183	0.0133	-3.90626	483	0.030	0.013
hip_addu	R-R	- knee	R-R	-0.42462	0.0133	-31.99929	483	< .001	< .001
hip_addu	R-R	- subt	R-R	-0.01623	0.0133	-1.22319	483	1.000	1.000
hip_flex	L-L	- ankle	L-R	-0.04884	0.0133	-3.68059	483	0.071	0.031
hip_flex	L-L	- ankle	R-L	-0.05975	0.0133	-4.50296	483	0.002	0.001
hip_flex	L-L	- ankle	R-R	0.09015	0.0133	6.79402	483	< .001	< .001
hip_flex	L-L	- hip_addu	L-R	0.09889	0.0133	7.45232	483	< .001	< .001
hip_flex	L-L	- hip_addu	R-L	0.10049	0.0133	7.57268	483	< .001	< .001
hip_flex	L-L	- hip_addu	R-R	0.08190	0.0133	6.17187	483	< .001	< .001
hip_flex	L-L	- hip_flex	L-R	-0.12186	0.0133	-9.18349	483	< .001	< .001
hip_flex	L-L	- hip_flex	R-L	-0.14974	0.0133	-11.28428	483	< .001	< .001
hip_flex	L-L	- hip_flex	R-R	-0.00351	0.0133	-0.26420	483	1.000	1.000
hip_flex	L-L	- hip_rot	L-L	0.05325	0.0133	4.01305	483	0.019	0.009
hip_flex	L-L	- hip_rot	L-R	0.09108	0.0133	6.86365	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-L	0.10038	0.0133	7.56463	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-R	0.03006	0.0133	2.26561	483	1.000	1.000
hip_flex	L-L	- knee	L-L	-0.30165	0.0133	-22.73254	483	< .001	< .001
hip_flex	L-L	- knee	L-R	0.07264	0.0133	5.47444	483	< .001	< .001
hip_flex	L-L	- knee	R-L	0.05446	0.0133	4.10400	483	0.013	0.006
hip_flex	L-L	- knee	R-R	-0.34272	0.0133	-25.82742	483	< .001	< .001
hip_flex	L-L	- subt	L-L	0.08218	0.0133	6.19275	483	< .001	< .001
hip_flex	L-L	- subt	L-R	0.06485	0.0133	4.88728	483	< .001	< .001
hip_flex	L-L	- subt	R-L	0.08252	0.0133	6.21911	483	< .001	< .001
hip_flex	L-L	- subt	R-R	0.06567	0.0133	4.94867	483	< .001	< .001
hip_flex	L-R	- ankle	R-L	0.06211	0.0133	4.68053	483	0.001	< .001
hip_flex	L-R	- ankle	R-R	0.21201	0.0133	15.97751	483	< .001	< .001
hip_flex	L-R	- hip_addu	R-L	0.22235	0.0133	16.75617	483	< .001	< .001
hip_flex	L-R	- hip_addu	R-R	0.20376	0.0133	15.35536	483	< .001	< .001
hip_flex	L-R	- hip_flex	R-L	-0.02788	0.0133	-2.10079	483	1.000	1.000
hip_flex	L-R	- hip_flex	R-R	0.11836	0.0133	8.91929	483	< .001	< .001
hip_flex	L-R	- hip_rot	L-R	0.21294	0.0133	16.04714	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-L	0.22224	0.0133	16.74812	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-R	0.15192	0.0133	11.44910	483	< .001	< .001
hip_flex	L-R	- knee	L-R	0.19450	0.0133	14.65793	483	< .001	< .001
hip_flex	L-R	- knee	R-L	0.17632	0.0133	13.28749	483	< .001	< .001
hip_flex	L-R	- knee	R-R	-0.22086	0.0133	-16.64393	483	< .001	< .001
hip_flex	L-R	- subt	L-R	0.18671	0.0133	14.07077	483	< .001	< .001
hip_flex	L-R	- subt	R-L	0.20439	0.0133	15.40260	483	< .001	< .001
hip_flex	L-R	- subt	R-R	0.18753	0.0133	14.13217	483	< .001	< .001
hip_flex	R-L	- ankle	R-R	0.23989	0.0133	18.07831	483	< .001	< .001
hip_flex	R-L	- hip_addu	R-R	0.23164	0.0133	17.45615	483	< .001	< .001
hip_flex	R-L	- hip_flex	R-R	0.14623	0.0133	11.02009	483	< .001	< .001

## Post Hoc Comparisons - angulo \* lados

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
hip_flex	R-L	- hip_rot	R-L	0.25012	0.0133	18.84892	483	< .001	< .001
hip_flex	R-L	- hip_rot	R-R	0.17980	0.0133	13.54989	483	< .001	< .001
hip_flex	R-L	- knee	R-L	0.20420	0.0133	15.38828	483	< .001	< .001
hip_flex	R-L	- knee	R-R	-0.19298	0.0133	-14.54314	483	< .001	< .001
hip_flex	R-L	- subt	R-L	0.23226	0.0133	17.50340	483	< .001	< .001
hip_flex	R-L	- subt	R-R	0.21540	0.0133	16.23296	483	< .001	< .001
hip_flex	R-R	- hip_rot	R-R	0.03357	0.0133	2.52981	483	1.000	1.000
hip_flex	R-R	- knee	R-R	-0.33921	0.0133	-25.56322	483	< .001	< .001
hip_flex	R-R	- subt	R-R	0.06917	0.0133	5.21287	483	< .001	< .001
hip_rot	L-L	- ankle	L-R	-0.10209	0.0133	-7.69363	483	< .001	< .001
hip_rot	L-L	- ankle	R-L	-0.11300	0.0133	-8.51601	483	< .001	< .001
hip_rot	L-L	- ankle	R-R	0.03690	0.0133	2.78098	483	1.000	0.591
hip_rot	L-L	- hip_addu	L-R	0.04564	0.0133	3.43928	483	0.175	0.072
hip_rot	L-L	- hip_addu	R-L	0.04723	0.0133	3.55964	483	0.113	0.048
hip_rot	L-L	- hip_addu	R-R	0.02865	0.0133	2.15882	483	1.000	1.000
hip_rot	L-L	- hip_flex	L-R	-0.17511	0.0133	-13.19654	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-L	-0.20299	0.0133	-15.29733	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-R	-0.05676	0.0133	-4.27724	483	0.006	0.003
hip_rot	L-L	- hip_rot	L-R	0.03783	0.0133	2.85060	483	1.000	0.482
hip_rot	L-L	- hip_rot	R-L	0.04713	0.0133	3.55158	483	0.116	0.049
hip_rot	L-L	- hip_rot	R-R	-0.02319	0.0133	-1.74744	483	1.000	1.000
hip_rot	L-L	- knee	L-L	-0.35490	0.0133	-26.74559	483	< .001	< .001
hip_rot	L-L	- knee	L-R	0.01939	0.0133	1.46140	483	1.000	1.000
hip_rot	L-L	- knee	R-L	0.00121	0.0133	0.09095	483	1.000	1.000
hip_rot	L-L	- knee	R-R	-0.39597	0.0133	-29.84047	483	< .001	< .001
hip_rot	L-L	- subt	L-L	0.02892	0.0133	2.17970	483	1.000	1.000
hip_rot	L-L	- subt	L-R	0.01160	0.0133	0.87423	483	1.000	1.000
hip_rot	L-L	- subt	R-L	0.02927	0.0133	2.20607	483	1.000	1.000
hip_rot	L-L	- subt	R-R	0.01242	0.0133	0.93563	483	1.000	1.000
hip_rot	L-R	- ankle	R-L	-0.15083	0.0133	-11.36661	483	< .001	< .001
hip_rot	L-R	- ankle	R-R	-9.24e-4	0.0133	-0.06963	483	1.000	1.000
hip_rot	L-R	- hip_addu	R-L	0.00941	0.0133	0.70903	483	1.000	1.000
hip_rot	L-R	- hip_addu	R-R	-0.00918	0.0133	-0.69178	483	1.000	1.000
hip_rot	L-R	- hip_flex	R-L	-0.24082	0.0133	-18.14793	483	< .001	< .001
hip_rot	L-R	- hip_flex	R-R	-0.09458	0.0133	-7.12785	483	< .001	< .001
hip_rot	L-R	- hip_rot	R-L	0.00930	0.0133	0.70098	483	1.000	1.000
hip_rot	L-R	- hip_rot	R-R	-0.06101	0.0133	-4.59804	483	0.002	< .001
hip_rot	L-R	- knee	L-R	-0.01843	0.0133	-1.38921	483	1.000	1.000
hip_rot	L-R	- knee	R-L	-0.03662	0.0133	-2.75965	483	1.000	0.625
hip_rot	L-R	- knee	R-R	-0.43380	0.0133	-32.69107	483	< .001	< .001
hip_rot	L-R	- subt	L-R	-0.02623	0.0133	-1.97637	483	1.000	1.000
hip_rot	L-R	- subt	R-L	-0.00855	0.0133	-0.64454	483	1.000	1.000
hip_rot	L-R	- subt	R-R	-0.02541	0.0133	-1.91498	483	1.000	1.000
hip_rot	R-L	- ankle	R-R	-0.01023	0.0133	-0.77061	483	1.000	1.000
hip_rot	R-L	- hip_addu	R-R	-0.01848	0.0133	-1.39277	483	1.000	1.000
hip_rot	R-L	- hip_flex	R-R	-0.10389	0.0133	-7.82883	483	< .001	< .001
hip_rot	R-L	- hip_rot	R-R	-0.07032	0.0133	-5.29902	483	< .001	< .001
hip_rot	R-L	- knee	R-L	-0.04592	0.0133	-3.46064	483	0.162	0.067
hip_rot	R-L	- knee	R-R	-0.44310	0.0133	-33.39205	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		-0.01785	0.0133	-1.34552	483	1.000	1.000
hip_rot	R-L	- subt	R-R		-0.03471	0.0133	-2.61596	483	1.000	0.890
hip_rot	R-R	- knee	R-R		-0.37278	0.0133	-28.09303	483	< .001	< .001
hip_rot	R-R	- subt	R-R		0.03560	0.0133	2.68307	483	1.000	0.764
knee	L-L	- ankle	L-R		0.25281	0.0133	19.05196	483	< .001	< .001
knee	L-L	- ankle	R-L		0.24190	0.0133	18.22958	483	< .001	< .001
knee	L-L	- ankle	R-R		0.39180	0.0133	29.52656	483	< .001	< .001
knee	L-L	- hip_addu	L-R		0.40054	0.0133	30.18486	483	< .001	< .001
knee	L-L	- hip_addu	R-L		0.40214	0.0133	30.30523	483	< .001	< .001
knee	L-L	- hip_addu	R-R		0.38355	0.0133	28.90441	483	< .001	< .001
knee	L-L	- hip_flex	L-R		0.17979	0.0133	13.54905	483	< .001	< .001
knee	L-L	- hip_flex	R-L		0.15191	0.0133	11.44826	483	< .001	< .001
knee	L-L	- hip_flex	R-R		0.29815	0.0133	22.46834	483	< .001	< .001
knee	L-L	- hip_rot	L-R		0.39273	0.0133	29.59619	483	< .001	< .001
knee	L-L	- hip_rot	R-L		0.40203	0.0133	30.29717	483	< .001	< .001
knee	L-L	- hip_rot	R-R		0.33171	0.0133	24.99815	483	< .001	< .001
knee	L-L	- knee	L-R		0.37429	0.0133	28.20698	483	< .001	< .001
knee	L-L	- knee	R-L		0.35611	0.0133	26.83654	483	< .001	< .001
knee	L-L	- knee	R-R		-0.04107	0.0133	-3.09488	483	0.575	0.223
knee	L-L	- subt	L-L		0.38383	0.0133	28.92529	483	< .001	< .001
knee	L-L	- subt	L-R		0.36650	0.0133	27.61982	483	< .001	< .001
knee	L-L	- subt	R-L		0.38418	0.0133	28.95165	483	< .001	< .001
knee	L-L	- subt	R-R		0.36732	0.0133	27.68122	483	< .001	< .001
knee	L-R	- ankle	R-L		-0.13240	0.0133	-9.97740	483	< .001	< .001
knee	L-R	- ankle	R-R		0.01751	0.0133	1.31958	483	1.000	1.000
knee	L-R	- hip_addu	R-L		0.02784	0.0133	2.09824	483	1.000	1.000
knee	L-R	- hip_addu	R-R		0.00925	0.0133	0.69742	483	1.000	1.000
knee	L-R	- hip_flex	R-L		-0.22238	0.0133	-16.75873	483	< .001	< .001
knee	L-R	- hip_flex	R-R		-0.07615	0.0133	-5.73864	483	< .001	< .001
knee	L-R	- hip_rot	R-L		0.02774	0.0133	2.09019	483	1.000	1.000
knee	L-R	- hip_rot	R-R		-0.04258	0.0133	-3.20883	483	0.392	0.154
knee	L-R	- knee	R-L		-0.01819	0.0133	-1.37045	483	1.000	1.000
knee	L-R	- knee	R-R		-0.41536	0.0133	-31.30186	483	< .001	< .001
knee	L-R	- subt	L-R		-0.00779	0.0133	-0.58716	483	1.000	1.000
knee	L-R	- subt	R-L		0.00988	0.0133	0.74467	483	1.000	1.000
knee	L-R	- subt	R-R		-0.00698	0.0133	-0.52577	483	1.000	1.000
knee	R-L	- ankle	R-R		0.03570	0.0133	2.69003	483	1.000	0.761
knee	R-L	- hip_addu	R-R		0.02744	0.0133	2.06787	483	1.000	1.000
knee	R-L	- hip_flex	R-R		-0.05796	0.0133	-4.36819	483	0.004	0.002
knee	R-L	- hip_rot	R-R		-0.02439	0.0133	-1.83839	483	1.000	1.000
knee	R-L	- knee	R-R		-0.39718	0.0133	-29.93142	483	< .001	< .001
knee	R-L	- subt	R-L		0.02807	0.0133	2.11512	483	1.000	1.000
knee	R-L	- subt	R-R		0.01121	0.0133	0.84468	483	1.000	1.000
knee	R-R	- subt	R-R		0.40839	0.0133	30.77610	483	< .001	< .001
subt	L-L	- ankle	L-R		-0.13101	0.0133	-9.87333	483	< .001	< .001
subt	L-L	- ankle	R-L		-0.14193	0.0133	-10.69571	483	< .001	< .001
subt	L-L	- ankle	R-R		0.00798	0.0133	0.60127	483	1.000	1.000
subt	L-L	- hip_addu	L-R		0.01671	0.0133	1.25957	483	1.000	1.000
subt	L-L	- hip_addu	R-L		0.01831	0.0133	1.37993	483	1.000	1.000

Comparison				Difference	SE	t	df	Pbonferroni	Pholm
angulo	lados	angulo	lados						
subt	L-L	- hip_addu	R-R	-2.77e-4	0.0133	-0.02088	483	1.000	1.000
subt	L-L	- hip_flex	L-R	-0.20404	0.0133	-15.37624	483	< .001	< .001
subt	L-L	- hip_flex	R-L	-0.23191	0.0133	-17.47703	483	< .001	< .001
subt	L-L	- hip_flex	R-R	-0.08568	0.0133	-6.45695	483	< .001	< .001
subt	L-L	- hip_rot	L-R	0.00890	0.0133	0.67090	483	1.000	1.000
subt	L-L	- hip_rot	R-L	0.01820	0.0133	1.37188	483	1.000	1.000
subt	L-L	- hip_rot	R-R	-0.05211	0.0133	-3.92714	483	0.027	0.012
subt	L-L	- knee	L-R	-0.00953	0.0133	-0.71831	483	1.000	1.000
subt	L-L	- knee	R-L	-0.02772	0.0133	-2.08875	483	1.000	1.000
subt	L-L	- knee	R-R	-0.42489	0.0133	-32.02017	483	< .001	< .001
subt	L-L	- subt	L-R	-0.01732	0.0133	-1.30547	483	1.000	1.000
subt	L-L	- subt	R-L	3.50e-4	0.0133	0.02636	483	1.000	1.000
subt	L-L	- subt	R-R	-0.01651	0.0133	-1.24407	483	1.000	1.000
subt	L-R	- ankle	R-L	-0.12460	0.0133	-9.39024	483	< .001	< .001
subt	L-R	- ankle	R-R	0.02530	0.0133	1.90674	483	1.000	1.000
subt	L-R	- hip_addu	R-L	0.03563	0.0133	2.68541	483	1.000	0.764
subt	L-R	- hip_addu	R-R	0.01705	0.0133	1.28459	483	1.000	1.000
subt	L-R	- hip_flex	R-L	-0.21459	0.0133	-16.17156	483	< .001	< .001
subt	L-R	- hip_flex	R-R	-0.06836	0.0133	-5.15148	483	< .001	< .001
subt	L-R	- hip_rot	R-L	0.03553	0.0133	2.67735	483	1.000	0.767
subt	L-R	- hip_rot	R-R	-0.03479	0.0133	-2.62167	483	1.000	0.888
subt	L-R	- knee	R-L	-0.01039	0.0133	-0.78328	483	1.000	1.000
subt	L-R	- knee	R-R	-0.40757	0.0133	-30.71470	483	< .001	< .001
subt	L-R	- subt	R-L	0.01767	0.0133	1.33183	483	1.000	1.000
subt	L-R	- subt	R-R	8.15e-4	0.0133	0.06140	483	1.000	1.000
subt	R-L	- ankle	R-R	0.00763	0.0133	0.57491	483	1.000	1.000
subt	R-L	- hip_addu	R-R	-6.27e-4	0.0133	-0.04725	483	1.000	1.000
subt	R-L	- hip_flex	R-R	-0.08603	0.0133	-6.48331	483	< .001	< .001
subt	R-L	- hip_rot	R-R	-0.05246	0.0133	-3.95350	483	0.024	0.011
subt	R-L	- knee	R-R	-0.42524	0.0133	-32.04653	483	< .001	< .001
subt	R-L	- subt	R-R	-0.01686	0.0133	-1.27044	483	1.000	1.000

Note: Residuals plotted by sujeto

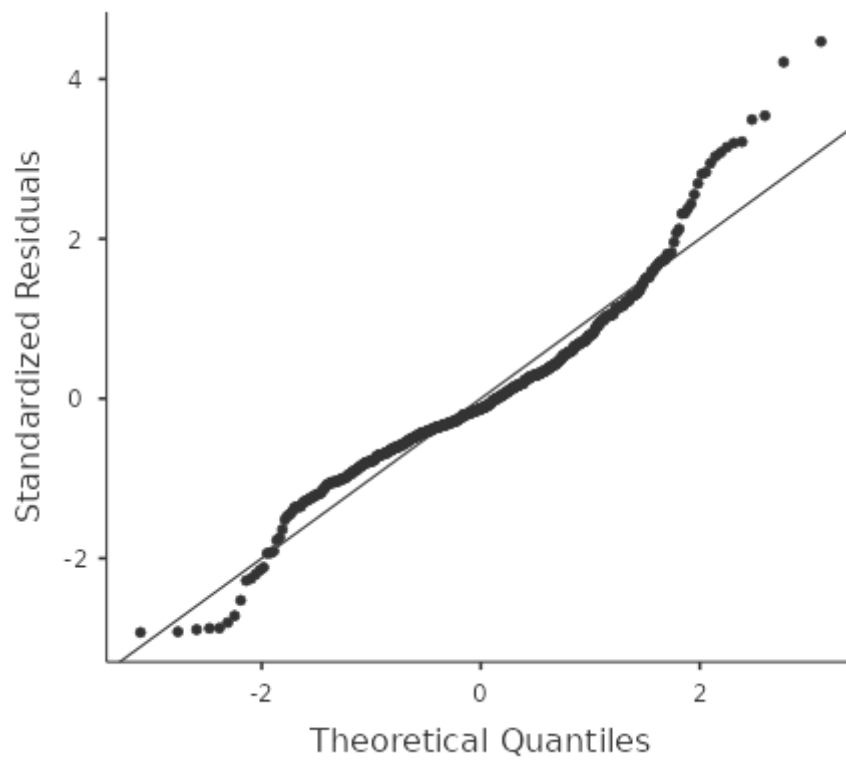
## Assumption Checks

Test for Normality of residuals

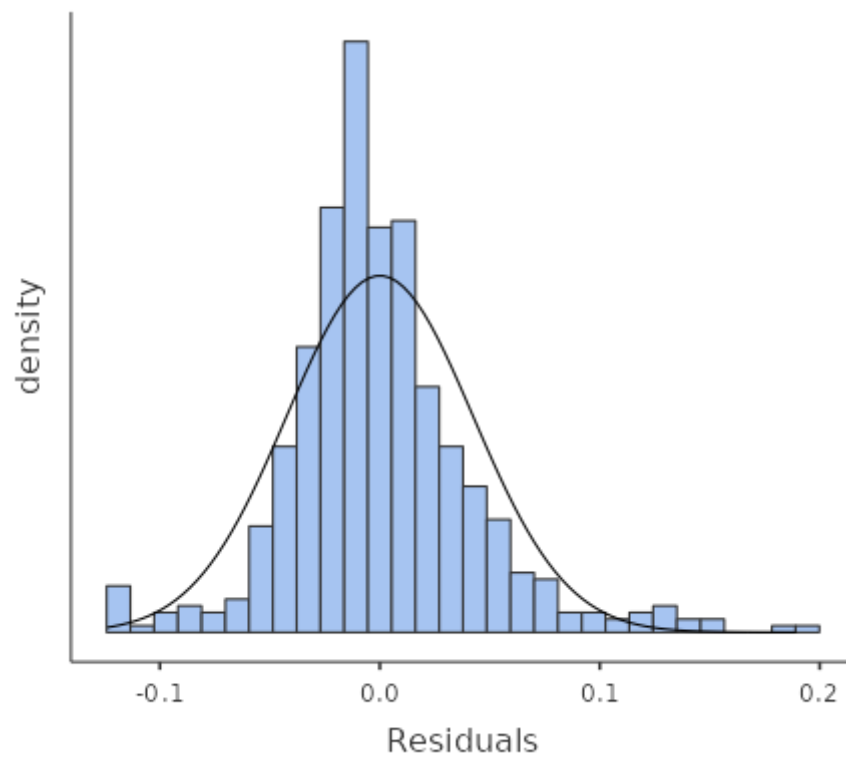
Test	Statistics	p
Kolmogorov-Smirnov	0.0883	< .001
Shapiro-Wilk	0.9443	< .001

## Q-Q Plot



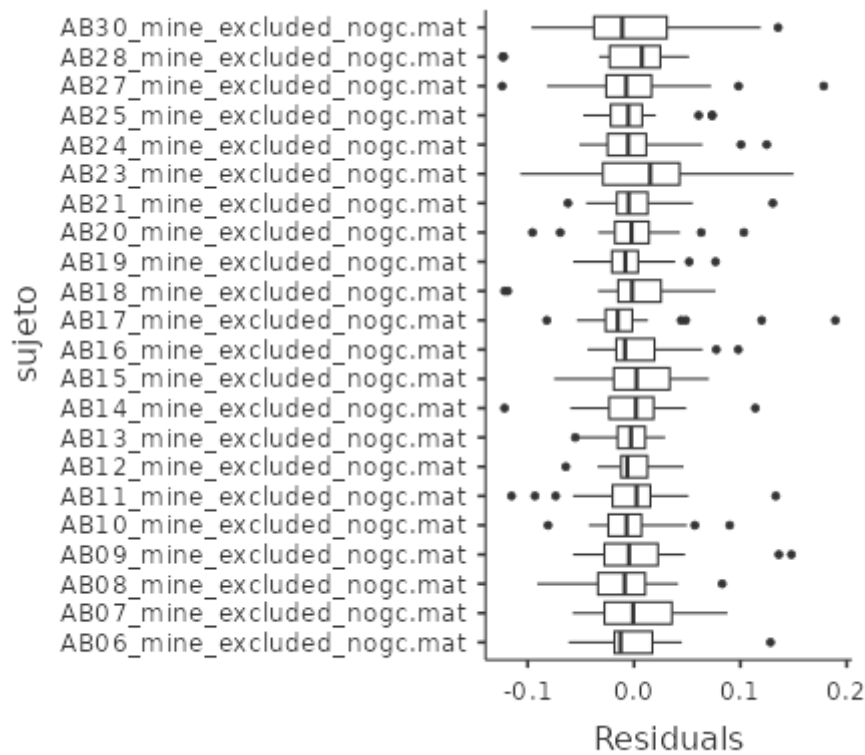


Residual histogram



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/>.