

# Resultados

## Mixed Model

Model Info

Info	
Estimate	Linear mixed model fit by REML
Call	mediana ~ 1 + angulo + lados + angulo:lados+( 1   sujeto )
AIC	-1730.580
BIC	-1440.926
LogLikel.	801.961
R-squared Marginal	0.874
R-squared Conditional	0.890
Converged	yes
Optimizer	bobyqa

[3]

## Model Results

Fixed Effect Omnibus tests

	F	Num df	Den df	p
angulo	407.2	5	483	< .001
lados	35.5	3	483	< .001
angulo * lados	136.7	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)	0.10615	0.00413	0.09806	0.1142	21.0	25.732	< .001
angulo1	hip_addu - ankle	-0.04358	0.00669	-0.05669	-0.0305	483.0	-6.517	< .001
angulo2	hip_flex - ankle	0.12667	0.00669	0.11357	0.1398	483.0	18.941	< .001
angulo3	hip_rot - ankle	-0.02597	0.00669	-0.03908	-0.0129	483.0	-3.884	< .001
angulo4	knee - ankle	0.18194	0.00669	0.16883	0.1951	483.0	27.205	< .001
angulo5	subt - ankle	-0.03147	0.00669	-0.04458	-0.0184	483.0	-4.706	< .001
lados1	L-R - L-L	-0.03374	0.00546	-0.04444	-0.0230	483.0	-6.179	< .001
lados2	R-L - L-L	-0.02611	0.00546	-0.03682	-0.0154	483.0	-4.782	< .001
lados3	R-R - L-L	0.01584	0.00546	0.00514	0.0265	483.0	2.900	0.004
angulo1 * lados1	hip_addu - ankle * L-R - L-L	-0.12694	0.01892	-0.16402	-0.0899	483.0	-6.711	< .001
angulo2 * lados1	hip_flex - ankle * L-R - L-L	0.03150	0.01892	-0.00557	0.0686	483.0	1.665	0.097
angulo3 * lados1	hip_rot - ankle * L-R - L-L	-0.12480	0.01892	-0.16187	-0.0877	483.0	-6.597	< .001
angulo4 * lados1	knee - ankle * L-R - L-L	-0.47660	0.01892	-0.51367	-0.4395	483.0	-25.195	< .001
angulo5 * lados1	subt - ankle * L-R - L-L	-0.06976	0.01892	-0.10683	-0.0327	483.0	-3.688	< .001
angulo1 * lados2	hip_addu - ankle * R-L - L-L	-0.13870	0.01892	-0.17577	-0.1016	483.0	-7.332	< .001
angulo2 * lados2	hip_flex - ankle * R-L - L-L	0.05933	0.01892	0.02225	0.0964	483.0	3.136	0.002
angulo3 * lados2	hip_rot - ankle * R-L - L-L	-0.15168	0.01892	-0.18875	-0.1146	483.0	-8.018	< .001
angulo4 * lados2	knee - ankle * R-L - L-L	-0.47439	0.01892	-0.51147	-0.4373	483.0	-25.079	< .001
angulo5 * lados2	subt - ankle * R-L - L-L	-0.10137	0.01892	-0.13844	-0.0643	483.0	-5.359	< .001
angulo1 * lados3	hip_addu - ankle * R-R - L-L	-0.00502	0.01892	-0.04209	0.0321	483.0	-0.265	0.791
angulo2 * lados3	hip_flex - ankle * R-R - L-L	0.00598	0.01892	-0.03110	0.0431	483.0	0.316	0.752
angulo3 * lados3	hip_rot - ankle * R-R - L-L	0.01479	0.01892	-0.02229	0.0519	483.0	0.782	0.435
angulo4 * lados3	knee - ankle * R-R - L-L	0.04048	0.01892	0.00340	0.0776	483.0	2.140	0.033
angulo5 * lados3	subt - ankle * R-R - L-L	0.01954	0.01892	-0.01753	0.0566	483.0	1.033	0.302

## Random Components

Groups	Name	SD	Variance	ICC
sujeto	(Intercept)	0.0171	2.92e-4	0.129
Residual		0.0444	0.00197	

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		-0.09402	0.0134	-7.029	483	< .001	< .001
ankle	L-L	- ankle	R-L		-0.10835	0.0134	-8.101	483	< .001	< .001
ankle	L-L	- ankle	R-R		-0.00321	0.0134	-0.240	483	1.000	1.000
ankle	L-L	- hip_addu	L-L		-0.02408	0.0134	-1.800	483	1.000	1.000
ankle	L-L	- hip_addu	L-R		0.00883	0.0134	0.660	483	1.000	1.000
ankle	L-L	- hip_addu	R-L		0.00626	0.0134	0.468	483	1.000	1.000
ankle	L-L	- hip_addu	R-R		-0.02227	0.0134	-1.665	483	1.000	1.000
ankle	L-L	- hip_flex	L-L		-0.10247	0.0134	-7.661	483	< .001	< .001
ankle	L-L	- hip_flex	L-R		-0.22800	0.0134	-17.046	483	< .001	< .001
ankle	L-L	- hip_flex	R-L		-0.27016	0.0134	-20.197	483	< .001	< .001
ankle	L-L	- hip_flex	R-R		-0.11166	0.0134	-8.348	483	< .001	< .001
ankle	L-L	- hip_rot	L-L		-0.03945	0.0134	-2.949	483	0.922	0.367
ankle	L-L	- hip_rot	L-R		-0.00868	0.0134	-0.649	483	1.000	1.000
ankle	L-L	- hip_rot	R-L		0.00388	0.0134	0.290	483	1.000	1.000
ankle	L-L	- hip_rot	R-R		-0.05744	0.0134	-4.295	483	0.006	0.003
ankle	L-L	- knee	L-L		-0.40957	0.0134	-30.620	483	< .001	< .001
ankle	L-L	- knee	L-R		-0.02700	0.0134	-2.018	483	1.000	1.000
ankle	L-L	- knee	R-L		-0.04353	0.0134	-3.255	483	0.335	0.140
ankle	L-L	- knee	R-R		-0.45326	0.0134	-33.886	483	< .001	< .001
ankle	L-L	- subt	L-L		-0.00642	0.0134	-0.480	483	1.000	1.000
ankle	L-L	- subt	L-R		-0.03069	0.0134	-2.295	483	1.000	1.000
ankle	L-L	- subt	R-L		-0.01341	0.0134	-1.003	483	1.000	1.000
ankle	L-L	- subt	R-R		-0.02918	0.0134	-2.181	483	1.000	1.000
ankle	L-R	- ankle	R-L		-0.01433	0.0134	-1.071	483	1.000	1.000
ankle	L-R	- ankle	R-R		0.09081	0.0134	6.790	483	< .001	< .001
ankle	L-R	- hip_addu	L-R		0.10286	0.0134	7.690	483	< .001	< .001
ankle	L-R	- hip_addu	R-L		0.10029	0.0134	7.498	483	< .001	< .001
ankle	L-R	- hip_addu	R-R		0.07175	0.0134	5.364	483	< .001	< .001
ankle	L-R	- hip_flex	L-R		-0.13397	0.0134	-10.016	483	< .001	< .001
ankle	L-R	- hip_flex	R-L		-0.17613	0.0134	-13.168	483	< .001	< .001
ankle	L-R	- hip_flex	R-R		-0.01763	0.0134	-1.318	483	1.000	1.000
ankle	L-R	- hip_rot	L-R		0.08535	0.0134	6.381	483	< .001	< .001
ankle	L-R	- hip_rot	R-L		0.09790	0.0134	7.319	483	< .001	< .001
ankle	L-R	- hip_rot	R-R		0.03658	0.0134	2.735	483	1.000	0.686
ankle	L-R	- knee	L-R		0.06703	0.0134	5.011	483	< .001	< .001
ankle	L-R	- knee	R-L		0.05049	0.0134	3.775	483	0.050	0.022
ankle	L-R	- knee	R-R		-0.35923	0.0134	-26.857	483	< .001	< .001
ankle	L-R	- subt	L-R		0.06333	0.0134	4.735	483	< .001	< .001
ankle	L-R	- subt	R-L		0.08061	0.0134	6.027	483	< .001	< .001
ankle	L-R	- subt	R-R		0.06485	0.0134	4.848	483	< .001	< .001
ankle	R-L	- ankle	R-R		0.10514	0.0134	7.861	483	< .001	< .001
ankle	R-L	- hip_addu	R-L		0.11462	0.0134	8.569	483	< .001	< .001
ankle	R-L	- hip_addu	R-R		0.08608	0.0134	6.435	483	< .001	< .001
ankle	R-L	- hip_flex	R-L		-0.16180	0.0134	-12.097	483	< .001	< .001
ankle	R-L	- hip_flex	R-R		-0.00331	0.0134	-0.247	483	1.000	1.000
ankle	R-L	- hip_rot	R-L		0.11223	0.0134	8.390	483	< .001	< .001
ankle	R-L	- hip_rot	R-R		0.05091	0.0134	3.806	483	0.044	0.020
ankle	R-L	- knee	R-L		0.06482	0.0134	4.846	483	< .001	< .001
ankle	R-L	- knee	R-R		-0.34490	0.0134	-25.786	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	0.09494	0.0134	7.098	483	< .001	< .001
ankle	R-L	- subt	R-R	0.07918	0.0134	5.919	483	< .001	< .001
ankle	R-R	- hip_addu	R-R	-0.01906	0.0134	-1.425	483	1.000	1.000
ankle	R-R	- hip_flex	R-R	-0.10845	0.0134	-8.108	483	< .001	< .001
ankle	R-R	- hip_rot	R-R	-0.05423	0.0134	-4.055	483	0.016	0.008
ankle	R-R	- knee	R-R	-0.45005	0.0134	-33.647	483	< .001	< .001
ankle	R-R	- subt	R-R	-0.02597	0.0134	-1.941	483	1.000	1.000
hip_addu	L-L	- ankle	L-R	-0.06994	0.0134	-5.229	483	< .001	< .001
hip_addu	L-L	- ankle	R-L	-0.08427	0.0134	-6.300	483	< .001	< .001
hip_addu	L-L	- ankle	R-R	0.02087	0.0134	1.560	483	1.000	1.000
hip_addu	L-L	- hip_addu	L-R	0.03292	0.0134	2.461	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-L	0.03034	0.0134	2.269	483	1.000	1.000
hip_addu	L-L	- hip_addu	R-R	0.00181	0.0134	0.135	483	1.000	1.000
hip_addu	L-L	- hip_flex	L-L	-0.07839	0.0134	-5.861	483	< .001	< .001
hip_addu	L-L	- hip_flex	L-R	-0.20392	0.0134	-15.245	483	< .001	< .001
hip_addu	L-L	- hip_flex	R-L	-0.24607	0.0134	-18.397	483	< .001	< .001
hip_addu	L-L	- hip_flex	R-R	-0.08758	0.0134	-6.547	483	< .001	< .001
hip_addu	L-L	- hip_rot	L-L	-0.01537	0.0134	-1.149	483	1.000	1.000
hip_addu	L-L	- hip_rot	L-R	0.01541	0.0134	1.152	483	1.000	1.000
hip_addu	L-L	- hip_rot	R-L	0.02796	0.0134	2.090	483	1.000	1.000
hip_addu	L-L	- hip_rot	R-R	-0.03336	0.0134	-2.494	483	1.000	1.000
hip_addu	L-L	- knee	L-L	-0.38549	0.0134	-28.820	483	< .001	< .001
hip_addu	L-L	- knee	L-R	-0.00292	0.0134	-0.218	483	1.000	1.000
hip_addu	L-L	- knee	R-L	-0.01945	0.0134	-1.454	483	1.000	1.000
hip_addu	L-L	- knee	R-R	-0.42918	0.0134	-32.086	483	< .001	< .001
hip_addu	L-L	- subt	L-L	0.01766	0.0134	1.320	483	1.000	1.000
hip_addu	L-L	- subt	L-R	-0.00661	0.0134	-0.494	483	1.000	1.000
hip_addu	L-L	- subt	R-L	0.01067	0.0134	0.798	483	1.000	1.000
hip_addu	L-L	- subt	R-R	-0.00509	0.0134	-0.381	483	1.000	1.000
hip_addu	L-R	- ankle	R-L	-0.11719	0.0134	-8.761	483	< .001	< .001
hip_addu	L-R	- ankle	R-R	-0.01204	0.0134	-0.900	483	1.000	1.000
hip_addu	L-R	- hip_addu	R-L	-0.00257	0.0134	-0.192	483	1.000	1.000
hip_addu	L-R	- hip_addu	R-R	-0.03111	0.0134	-2.326	483	1.000	1.000
hip_addu	L-R	- hip_flex	L-R	-0.23683	0.0134	-17.706	483	< .001	< .001
hip_addu	L-R	- hip_flex	R-L	-0.27899	0.0134	-20.858	483	< .001	< .001
hip_addu	L-R	- hip_flex	R-R	-0.12049	0.0134	-9.008	483	< .001	< .001
hip_addu	L-R	- hip_rot	L-R	-0.01751	0.0134	-1.309	483	1.000	1.000
hip_addu	L-R	- hip_rot	R-L	-0.00496	0.0134	-0.371	483	1.000	1.000
hip_addu	L-R	- hip_rot	R-R	-0.06628	0.0134	-4.955	483	< .001	< .001
hip_addu	L-R	- knee	L-R	-0.03583	0.0134	-2.679	483	1.000	0.794
hip_addu	L-R	- knee	R-L	-0.05237	0.0134	-3.915	483	0.029	0.013
hip_addu	L-R	- knee	R-R	-0.46209	0.0134	-34.547	483	< .001	< .001
hip_addu	L-R	- subt	L-R	-0.03953	0.0134	-2.955	483	0.905	0.364
hip_addu	L-R	- subt	R-L	-0.02225	0.0134	-1.663	483	1.000	1.000
hip_addu	L-R	- subt	R-R	-0.03801	0.0134	-2.842	483	1.000	0.510
hip_addu	R-L	- ankle	R-R	-0.00947	0.0134	-0.708	483	1.000	1.000
hip_addu	R-L	- hip_addu	R-R	-0.02854	0.0134	-2.133	483	1.000	1.000
hip_addu	R-L	- hip_flex	R-L	-0.27642	0.0134	-20.666	483	< .001	< .001
hip_addu	R-L	- hip_flex	R-R	-0.11792	0.0134	-8.816	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	-0.00239	0.0134	-0.178	483	1.000	1.000
hip_addu	R-L	- hip_rot	R-R	-0.06371	0.0134	-4.763	483	< .001	< .001
hip_addu	R-L	- knee	R-L	-0.04979	0.0134	-3.723	483	0.061	0.027
hip_addu	R-L	- knee	R-R	-0.45952	0.0134	-34.355	483	< .001	< .001
hip_addu	R-L	- subt	R-L	-0.01967	0.0134	-1.471	483	1.000	1.000
hip_addu	R-L	- subt	R-R	-0.03544	0.0134	-2.649	483	1.000	0.858
hip_addu	R-R	- hip_flex	R-R	-0.08938	0.0134	-6.683	483	< .001	< .001
hip_addu	R-R	- hip_rot	R-R	-0.03517	0.0134	-2.629	483	1.000	0.900
hip_addu	R-R	- knee	R-R	-0.43098	0.0134	-32.221	483	< .001	< .001
hip_addu	R-R	- subt	R-R	-0.00690	0.0134	-0.516	483	1.000	1.000
hip_flex	L-L	- ankle	L-R	0.00845	0.0134	0.632	483	1.000	1.000
hip_flex	L-L	- ankle	R-L	-0.00588	0.0134	-0.440	483	1.000	1.000
hip_flex	L-L	- ankle	R-R	0.09926	0.0134	7.421	483	< .001	< .001
hip_flex	L-L	- hip_addu	L-R	0.11131	0.0134	8.322	483	< .001	< .001
hip_flex	L-L	- hip_addu	R-L	0.10873	0.0134	8.129	483	< .001	< .001
hip_flex	L-L	- hip_addu	R-R	0.08020	0.0134	5.996	483	< .001	< .001
hip_flex	L-L	- hip_flex	L-R	-0.12553	0.0134	-9.385	483	< .001	< .001
hip_flex	L-L	- hip_flex	R-L	-0.16768	0.0134	-12.536	483	< .001	< .001
hip_flex	L-L	- hip_flex	R-R	-0.00919	0.0134	-0.687	483	1.000	1.000
hip_flex	L-L	- hip_rot	L-L	0.06302	0.0134	4.712	483	< .001	< .001
hip_flex	L-L	- hip_rot	L-R	0.09380	0.0134	7.012	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-L	0.10635	0.0134	7.951	483	< .001	< .001
hip_flex	L-L	- hip_rot	R-R	0.04503	0.0134	3.366	483	0.227	0.097
hip_flex	L-L	- knee	L-L	-0.30710	0.0134	-22.959	483	< .001	< .001
hip_flex	L-L	- knee	L-R	0.07547	0.0134	5.643	483	< .001	< .001
hip_flex	L-L	- knee	R-L	0.05894	0.0134	4.406	483	0.004	0.002
hip_flex	L-L	- knee	R-R	-0.35079	0.0134	-26.225	483	< .001	< .001
hip_flex	L-L	- subt	L-L	0.09605	0.0134	7.181	483	< .001	< .001
hip_flex	L-L	- subt	L-R	0.07178	0.0134	5.366	483	< .001	< .001
hip_flex	L-L	- subt	R-L	0.08906	0.0134	6.658	483	< .001	< .001
hip_flex	L-L	- subt	R-R	0.07330	0.0134	5.480	483	< .001	< .001
hip_flex	L-R	- ankle	R-L	0.11964	0.0134	8.945	483	< .001	< .001
hip_flex	L-R	- ankle	R-R	0.22479	0.0134	16.806	483	< .001	< .001
hip_flex	L-R	- hip_addu	R-L	0.23426	0.0134	17.514	483	< .001	< .001
hip_flex	L-R	- hip_addu	R-R	0.20572	0.0134	15.380	483	< .001	< .001
hip_flex	L-R	- hip_flex	R-L	-0.04216	0.0134	-3.152	483	0.476	0.195
hip_flex	L-R	- hip_flex	R-R	0.11634	0.0134	8.698	483	< .001	< .001
hip_flex	L-R	- hip_rot	L-R	0.21932	0.0134	16.397	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-L	0.23187	0.0134	17.335	483	< .001	< .001
hip_flex	L-R	- hip_rot	R-R	0.17055	0.0134	12.751	483	< .001	< .001
hip_flex	L-R	- knee	L-R	0.20100	0.0134	15.027	483	< .001	< .001
hip_flex	L-R	- knee	R-L	0.18447	0.0134	13.791	483	< .001	< .001
hip_flex	L-R	- knee	R-R	-0.22526	0.0134	-16.841	483	< .001	< .001
hip_flex	L-R	- subt	L-R	0.19731	0.0134	14.751	483	< .001	< .001
hip_flex	L-R	- subt	R-L	0.21459	0.0134	16.043	483	< .001	< .001
hip_flex	L-R	- subt	R-R	0.19882	0.0134	14.864	483	< .001	< .001
hip_flex	R-L	- ankle	R-R	0.26695	0.0134	19.957	483	< .001	< .001
hip_flex	R-L	- hip_addu	R-R	0.24788	0.0134	18.532	483	< .001	< .001
hip_flex	R-L	- hip_flex	R-R	0.15850	0.0134	11.850	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	0.27403	0.0134	20.487	483	< .001	< .001
hip_flex	R-L	- hip_rot	R-R	0.21271	0.0134	15.903	483	< .001	< .001
hip_flex	R-L	- knee	R-L	0.22662	0.0134	16.943	483	< .001	< .001
hip_flex	R-L	- knee	R-R	-0.18310	0.0134	-13.689	483	< .001	< .001
hip_flex	R-L	- subt	R-L	0.25674	0.0134	19.195	483	< .001	< .001
hip_flex	R-L	- subt	R-R	0.24098	0.0134	18.016	483	< .001	< .001
hip_flex	R-R	- hip_rot	R-R	0.05421	0.0134	4.053	483	0.016	0.008
hip_flex	R-R	- knee	R-R	-0.34160	0.0134	-25.539	483	< .001	< .001
hip_flex	R-R	- subt	R-R	0.08248	0.0134	6.167	483	< .001	< .001
hip_rot	L-L	- ankle	L-R	-0.05458	0.0134	-4.080	483	0.015	0.007
hip_rot	L-L	- ankle	R-L	-0.06891	0.0134	-5.152	483	< .001	< .001
hip_rot	L-L	- ankle	R-R	0.03624	0.0134	2.709	483	1.000	0.733
hip_rot	L-L	- hip_addu	L-R	0.04828	0.0134	3.610	483	0.093	0.041
hip_rot	L-L	- hip_addu	R-L	0.04571	0.0134	3.417	483	0.189	0.082
hip_rot	L-L	- hip_addu	R-R	0.01717	0.0134	1.284	483	1.000	1.000
hip_rot	L-L	- hip_flex	L-R	-0.18855	0.0134	-14.096	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-L	-0.23071	0.0134	-17.248	483	< .001	< .001
hip_rot	L-L	- hip_flex	R-R	-0.07221	0.0134	-5.399	483	< .001	< .001
hip_rot	L-L	- hip_rot	L-R	0.03077	0.0134	2.301	483	1.000	1.000
hip_rot	L-L	- hip_rot	R-L	0.04332	0.0134	3.239	483	0.354	0.146
hip_rot	L-L	- hip_rot	R-R	-0.01800	0.0134	-1.345	483	1.000	1.000
hip_rot	L-L	- knee	L-L	-0.37012	0.0134	-27.671	483	< .001	< .001
hip_rot	L-L	- knee	L-R	0.01245	0.0134	0.931	483	1.000	1.000
hip_rot	L-L	- knee	R-L	-0.00408	0.0134	-0.305	483	1.000	1.000
hip_rot	L-L	- knee	R-R	-0.41381	0.0134	-30.937	483	< .001	< .001
hip_rot	L-L	- subt	L-L	0.03302	0.0134	2.469	483	1.000	1.000
hip_rot	L-L	- subt	L-R	0.00876	0.0134	0.655	483	1.000	1.000
hip_rot	L-L	- subt	R-L	0.02604	0.0134	1.947	483	1.000	1.000
hip_rot	L-L	- subt	R-R	0.01027	0.0134	0.768	483	1.000	1.000
hip_rot	L-R	- ankle	R-L	-0.09968	0.0134	-7.452	483	< .001	< .001
hip_rot	L-R	- ankle	R-R	0.00546	0.0134	0.409	483	1.000	1.000
hip_rot	L-R	- hip_addu	R-L	0.01494	0.0134	1.117	483	1.000	1.000
hip_rot	L-R	- hip_addu	R-R	-0.01360	0.0134	-1.017	483	1.000	1.000
hip_rot	L-R	- hip_flex	R-L	-0.26148	0.0134	-19.549	483	< .001	< .001
hip_rot	L-R	- hip_flex	R-R	-0.10298	0.0134	-7.699	483	< .001	< .001
hip_rot	L-R	- hip_rot	R-L	0.01255	0.0134	0.938	483	1.000	1.000
hip_rot	L-R	- hip_rot	R-R	-0.04877	0.0134	-3.646	483	0.081	0.036
hip_rot	L-R	- knee	L-R	-0.01832	0.0134	-1.370	483	1.000	1.000
hip_rot	L-R	- knee	R-L	-0.03486	0.0134	-2.606	483	1.000	0.954
hip_rot	L-R	- knee	R-R	-0.44458	0.0134	-33.238	483	< .001	< .001
hip_rot	L-R	- subt	L-R	-0.02202	0.0134	-1.646	483	1.000	1.000
hip_rot	L-R	- subt	R-L	-0.00474	0.0134	-0.354	483	1.000	1.000
hip_rot	L-R	- subt	R-R	-0.02050	0.0134	-1.533	483	1.000	1.000
hip_rot	R-L	- ankle	R-R	-0.00709	0.0134	-0.530	483	1.000	1.000
hip_rot	R-L	- hip_addu	R-R	-0.02615	0.0134	-1.955	483	1.000	1.000
hip_rot	R-L	- hip_flex	R-R	-0.11553	0.0134	-8.638	483	< .001	< .001
hip_rot	R-L	- hip_rot	R-R	-0.06132	0.0134	-4.584	483	0.002	< .001
hip_rot	R-L	- knee	R-L	-0.04741	0.0134	-3.544	483	0.119	0.052
hip_rot	R-L	- knee	R-R	-0.45713	0.0134	-34.176	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		-0.01729	0.0134	-1.292	483	1.000	1.000
hip_rot	R-L	- subt	R-R		-0.03305	0.0134	-2.471	483	1.000	1.000
hip_rot	R-R	- knee	R-R		-0.39581	0.0134	-29.592	483	<.001	<.001
hip_rot	R-R	- subt	R-R		0.02827	0.0134	2.113	483	1.000	1.000
knee	L-L	- ankle	L-R		0.31554	0.0134	23.591	483	<.001	<.001
knee	L-L	- ankle	R-L		0.30122	0.0134	22.520	483	<.001	<.001
knee	L-L	- ankle	R-R		0.40636	0.0134	30.380	483	<.001	<.001
knee	L-L	- hip_addu	L-R		0.41840	0.0134	31.281	483	<.001	<.001
knee	L-L	- hip_addu	R-L		0.41583	0.0134	31.088	483	<.001	<.001
knee	L-L	- hip_addu	R-R		0.38730	0.0134	28.955	483	<.001	<.001
knee	L-L	- hip_flex	L-R		0.18157	0.0134	13.575	483	<.001	<.001
knee	L-L	- hip_flex	R-L		0.13941	0.0134	10.423	483	<.001	<.001
knee	L-L	- hip_flex	R-R		0.29791	0.0134	22.272	483	<.001	<.001
knee	L-L	- hip_rot	L-R		0.40089	0.0134	29.972	483	<.001	<.001
knee	L-L	- hip_rot	R-L		0.41345	0.0134	30.910	483	<.001	<.001
knee	L-L	- hip_rot	R-R		0.35212	0.0134	26.326	483	<.001	<.001
knee	L-L	- knee	L-R		0.38257	0.0134	28.602	483	<.001	<.001
knee	L-L	- knee	R-L		0.36604	0.0134	27.366	483	<.001	<.001
knee	L-L	- knee	R-R		-0.04369	0.0134	-3.266	483	0.322	0.135
knee	L-L	- subt	L-L		0.40315	0.0134	30.140	483	<.001	<.001
knee	L-L	- subt	L-R		0.37888	0.0134	28.326	483	<.001	<.001
knee	L-L	- subt	R-L		0.39616	0.0134	29.618	483	<.001	<.001
knee	L-L	- subt	R-R		0.38039	0.0134	28.439	483	<.001	<.001
knee	L-R	- ankle	R-L		-0.08136	0.0134	-6.082	483	<.001	<.001
knee	L-R	- ankle	R-R		0.02379	0.0134	1.778	483	1.000	1.000
knee	L-R	- hip_addu	R-L		0.03326	0.0134	2.487	483	1.000	1.000
knee	L-R	- hip_addu	R-R		0.00472	0.0134	0.353	483	1.000	1.000
knee	L-R	- hip_flex	R-L		-0.24316	0.0134	-18.179	483	<.001	<.001
knee	L-R	- hip_flex	R-R		-0.08466	0.0134	-6.329	483	<.001	<.001
knee	L-R	- hip_rot	R-L		0.03087	0.0134	2.308	483	1.000	1.000
knee	L-R	- hip_rot	R-R		-0.03045	0.0134	-2.276	483	1.000	1.000
knee	L-R	- knee	R-L		-0.01653	0.0134	-1.236	483	1.000	1.000
knee	L-R	- knee	R-R		-0.42626	0.0134	-31.868	483	<.001	<.001
knee	L-R	- subt	L-R		-0.00369	0.0134	-0.276	483	1.000	1.000
knee	L-R	- subt	R-L		0.01359	0.0134	1.016	483	1.000	1.000
knee	L-R	- subt	R-R		-0.00218	0.0134	-0.163	483	1.000	1.000
knee	R-L	- ankle	R-R		0.04032	0.0134	3.015	483	0.748	0.303
knee	R-L	- hip_addu	R-R		0.02126	0.0134	1.589	483	1.000	1.000
knee	R-L	- hip_flex	R-R		-0.06813	0.0134	-5.093	483	<.001	<.001
knee	R-L	- hip_rot	R-R		-0.01391	0.0134	-1.040	483	1.000	1.000
knee	R-L	- knee	R-R		-0.40973	0.0134	-30.632	483	<.001	<.001
knee	R-L	- subt	R-L		0.03012	0.0134	2.252	483	1.000	1.000
knee	R-L	- subt	R-R		0.01436	0.0134	1.073	483	1.000	1.000
knee	R-R	- subt	R-R		0.42408	0.0134	31.705	483	<.001	<.001
subt	L-L	- ankle	L-R		-0.08760	0.0134	-6.549	483	<.001	<.001
subt	L-L	- ankle	R-L		-0.10193	0.0134	-7.620	483	<.001	<.001
subt	L-L	- ankle	R-R		0.00321	0.0134	0.240	483	1.000	1.000
subt	L-L	- hip_addu	L-R		0.01526	0.0134	1.141	483	1.000	1.000
subt	L-L	- hip_addu	R-L		0.01269	0.0134	0.948	483	1.000	1.000

Comparison				Difference	SE	t	df	P <sub>bonferroni</sub>	P <sub>holm</sub>
angulo	lados	angulo	lados						
subt	L-L	- hip_addu	R-R	-0.01585	0.0134	-1.185	483	1.000	1.000
subt	L-L	- hip_flex	L-R	-0.22157	0.0134	-16.565	483	< .001	< .001
subt	L-L	- hip_flex	R-L	-0.26373	0.0134	-19.717	483	< .001	< .001
subt	L-L	- hip_flex	R-R	-0.10523	0.0134	-7.868	483	< .001	< .001
subt	L-L	- hip_rot	L-R	-0.00225	0.0134	-0.168	483	1.000	1.000
subt	L-L	- hip_rot	R-L	0.01030	0.0134	0.770	483	1.000	1.000
subt	L-L	- hip_rot	R-R	-0.05102	0.0134	-3.814	483	0.043	0.019
subt	L-L	- knee	L-R	-0.02057	0.0134	-1.538	483	1.000	1.000
subt	L-L	- knee	R-L	-0.03711	0.0134	-2.774	483	1.000	0.621
subt	L-L	- knee	R-R	-0.44683	0.0134	-33.406	483	< .001	< .001
subt	L-L	- subt	L-R	-0.02427	0.0134	-1.814	483	1.000	1.000
subt	L-L	- subt	R-L	-0.00699	0.0134	-0.522	483	1.000	1.000
subt	L-L	- subt	R-R	-0.02275	0.0134	-1.701	483	1.000	1.000
subt	L-R	- ankle	R-L	-0.07766	0.0134	-5.806	483	< .001	< .001
subt	L-R	- ankle	R-R	0.02748	0.0134	2.055	483	1.000	1.000
subt	L-R	- hip_addu	R-L	0.03695	0.0134	2.763	483	1.000	0.637
subt	L-R	- hip_addu	R-R	0.00842	0.0134	0.629	483	1.000	1.000
subt	L-R	- hip_flex	R-L	-0.23946	0.0134	-17.903	483	< .001	< .001
subt	L-R	- hip_flex	R-R	-0.08097	0.0134	-6.053	483	< .001	< .001
subt	L-R	- hip_rot	R-L	0.03457	0.0134	2.584	483	1.000	1.000
subt	L-R	- hip_rot	R-R	-0.02675	0.0134	-2.000	483	1.000	1.000
subt	L-R	- knee	R-L	-0.01284	0.0134	-0.960	483	1.000	1.000
subt	L-R	- knee	R-R	-0.42257	0.0134	-31.592	483	< .001	< .001
subt	L-R	- subt	R-L	0.01728	0.0134	1.292	483	1.000	1.000
subt	L-R	- subt	R-R	0.00152	0.0134	0.113	483	1.000	1.000
subt	R-L	- ankle	R-R	0.01020	0.0134	0.763	483	1.000	1.000
subt	R-L	- hip_addu	R-R	-0.00886	0.0134	-0.663	483	1.000	1.000
subt	R-L	- hip_flex	R-R	-0.09825	0.0134	-7.345	483	< .001	< .001
subt	R-L	- hip_rot	R-R	-0.04403	0.0134	-3.292	483	0.295	0.125
subt	R-L	- knee	R-R	-0.43985	0.0134	-32.884	483	< .001	< .001
subt	R-L	- subt	R-R	-0.01576	0.0134	-1.179	483	1.000	1.000

Note: Residuals plotted by sujeto

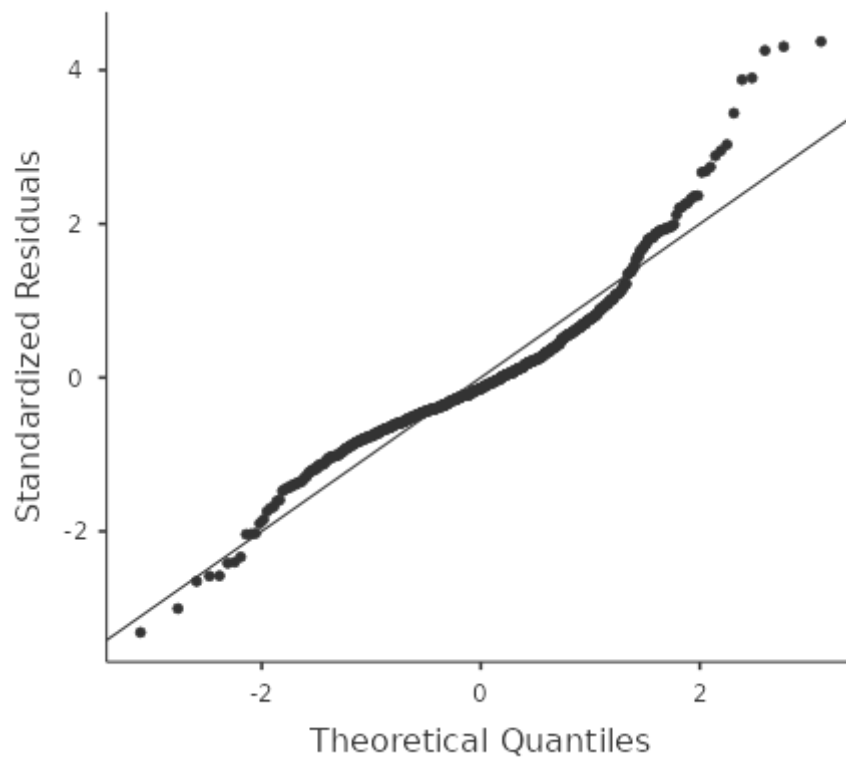
## Assumption Checks

Test for Normality of residuals

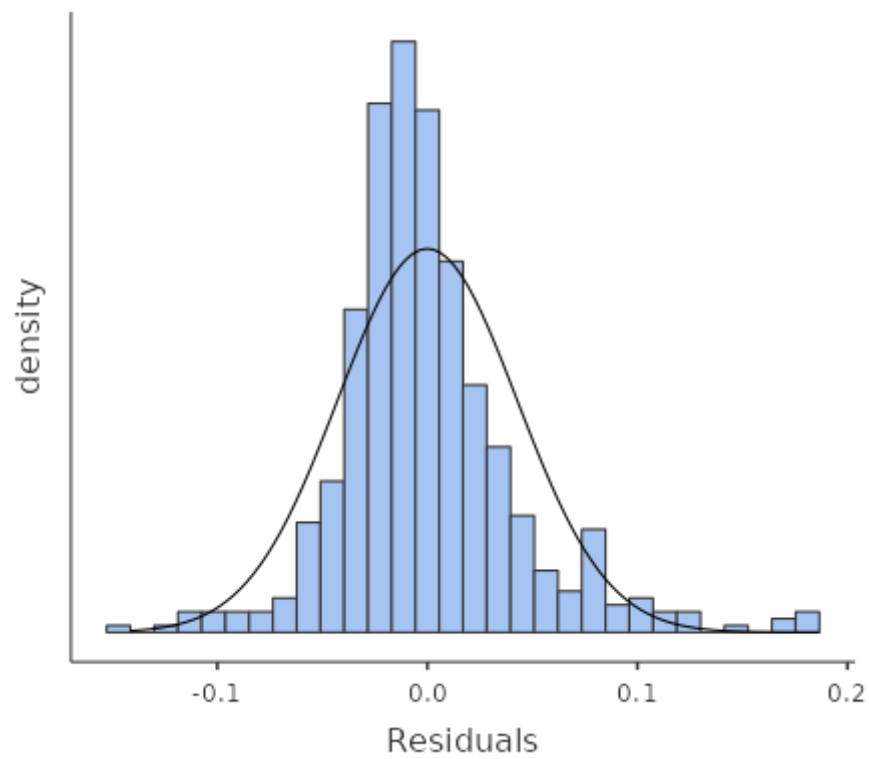
Test	Statistics	p
Kolmogorov-Smirnov	0.106	< .001
Shapiro-Wilk	0.930	< .001

## Q-Q Plot



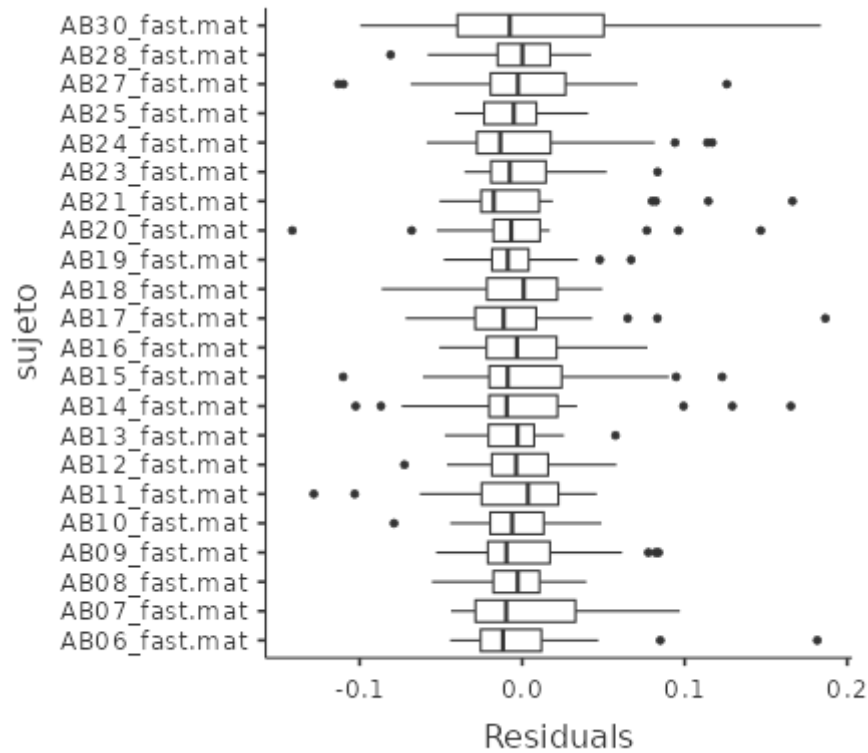


Residual histogram



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/>.