Results

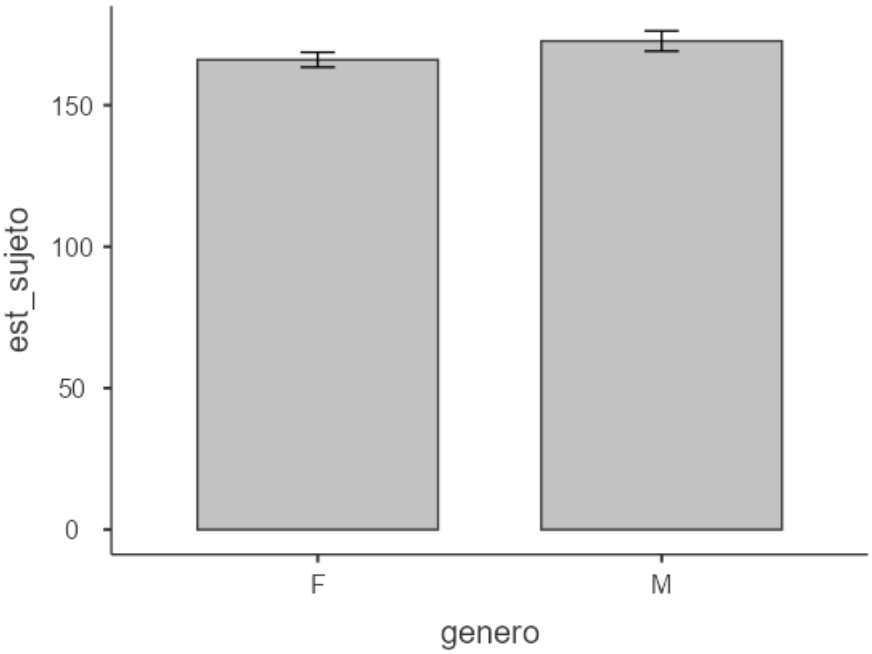
Descriptives

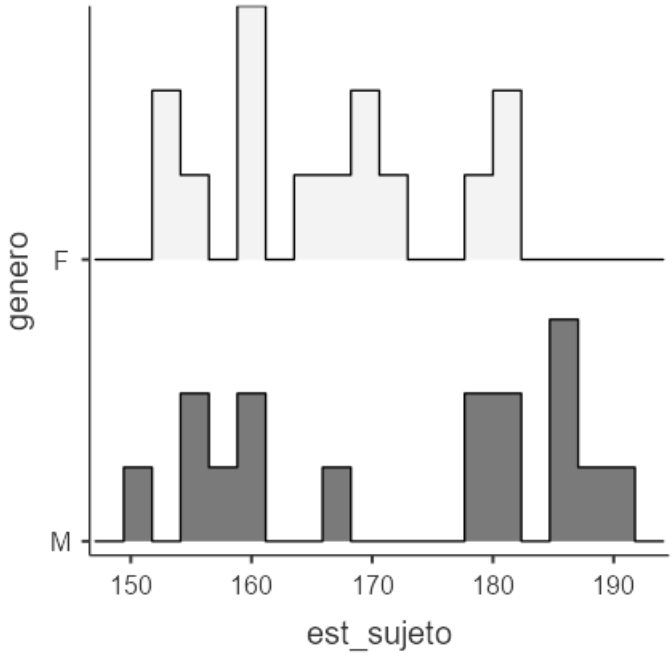
Descriptives

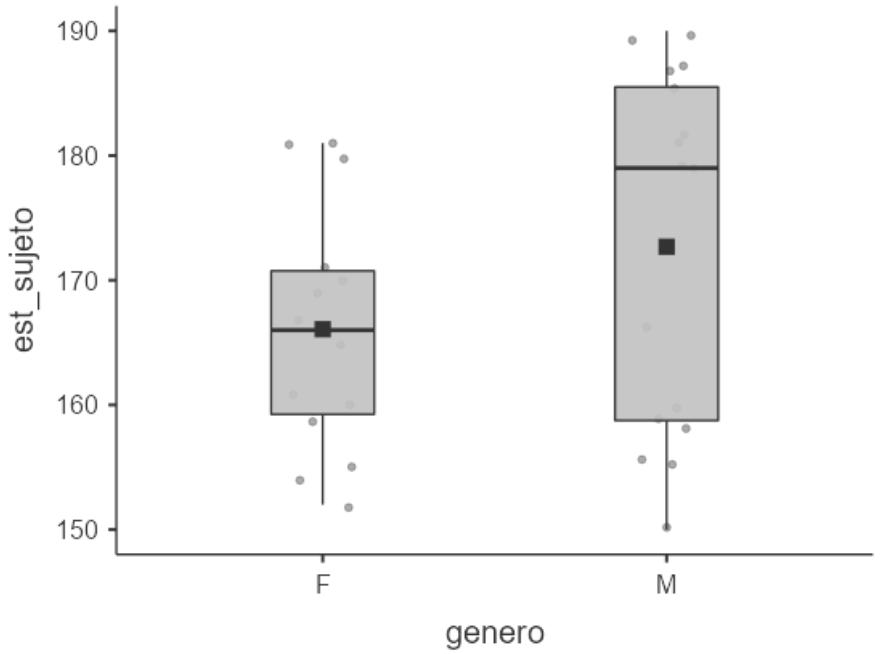
	genero	est_sujeto	est_madre	est_padre
N	F	14	14	14
	M	16	16	16
Missing	F	0	0	0
	M	0	0	0
Mean	F	166	160	176
	M	173	158	176
Median	F	166	160	177
	M	179	158	178
Standard deviation	F	9.88	7.45	7.24
	M	14.3	5.81	8.03
Minimum	F	152	150	163
	M	150	151	164
Maximum	F	181	169	186
	M	190	169	189
25th percentile	F	159	153	173
	M	159	153	170
50th percentile	F	166	160	177
	M	179	158	178
75th percentile	F	171	167	181
	M	186	162	183

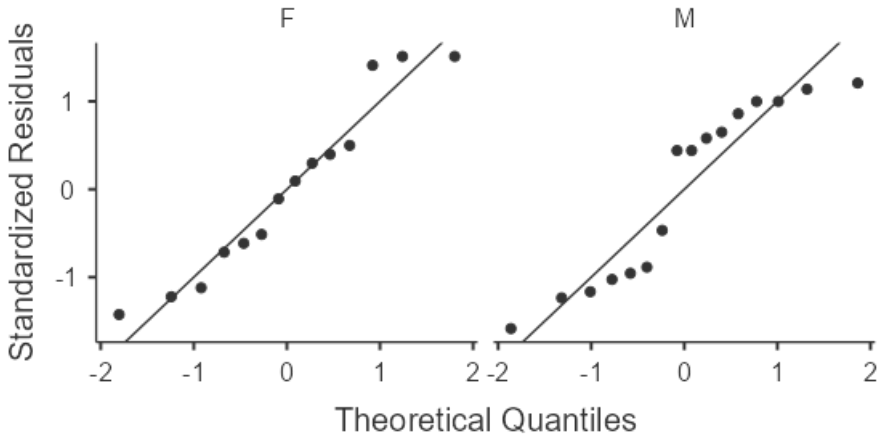
Plots

est_sujeto

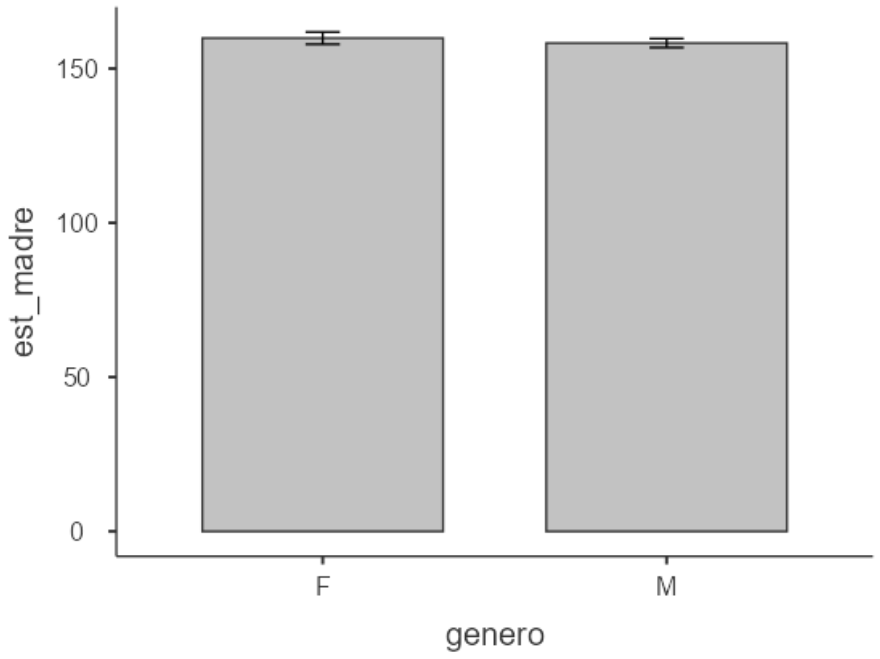

150
100
50
0
est_sujeto
F
M
genero

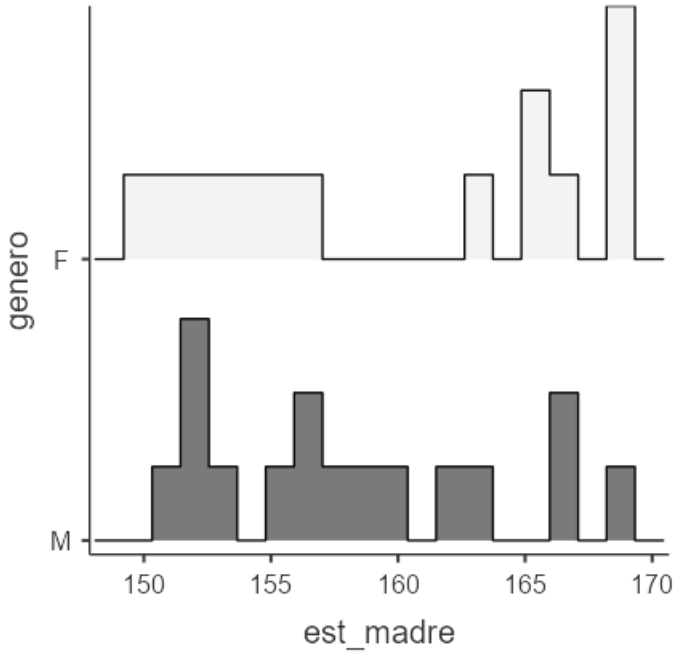

genero
F
M
150
160
170
180
190
est_sujeto

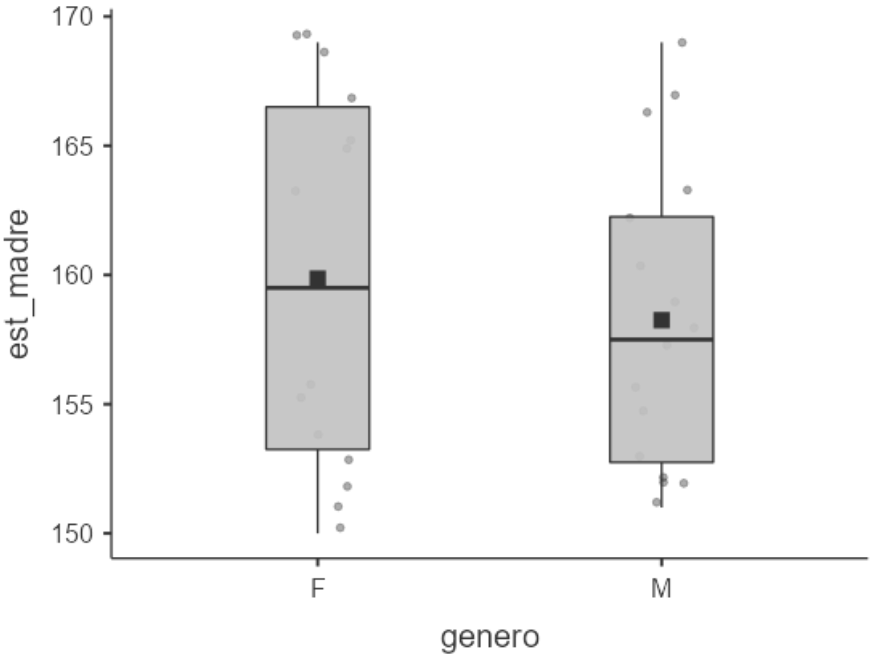

190
180
170
160
150
est_sujeto
F
M
genero

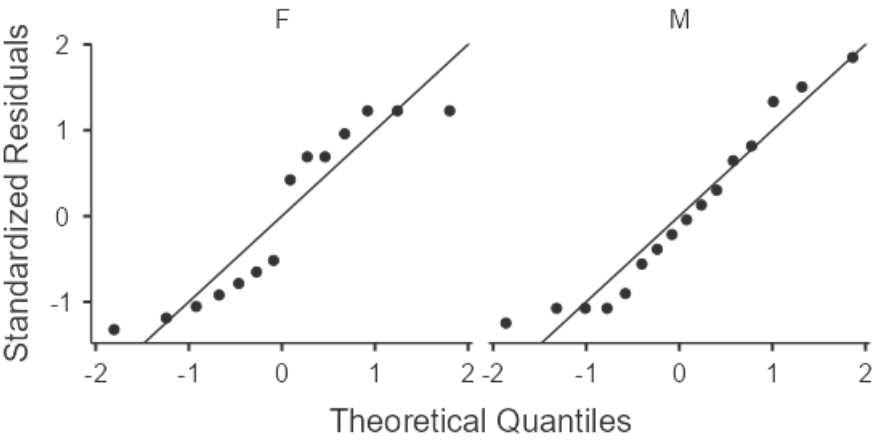

F
M
Standardized Residuals
1
0
-1
-2
-1
0
1
2
Theoretical Quantiles

est_madre

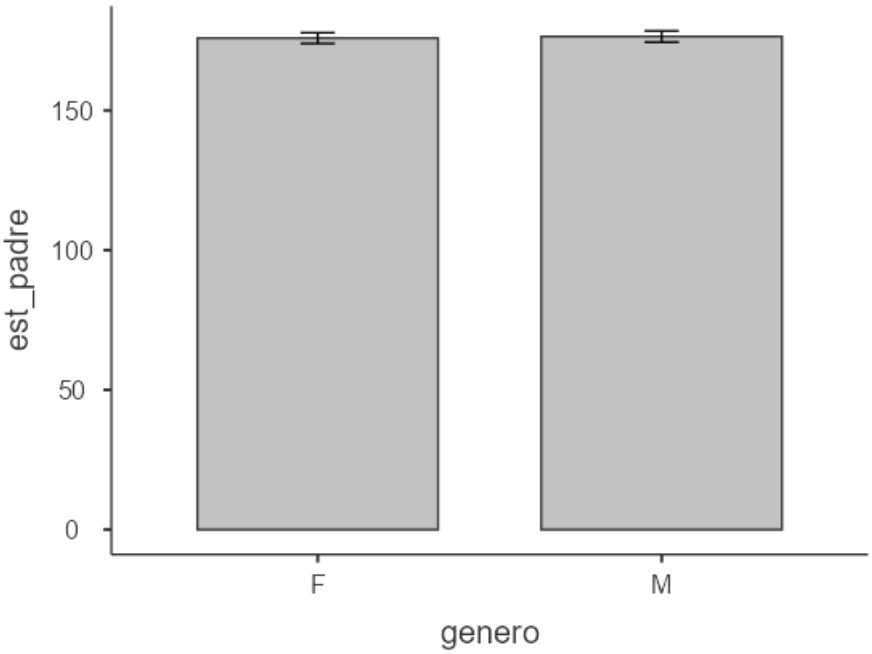

150
100
50
0
est_madre
F
M
genero

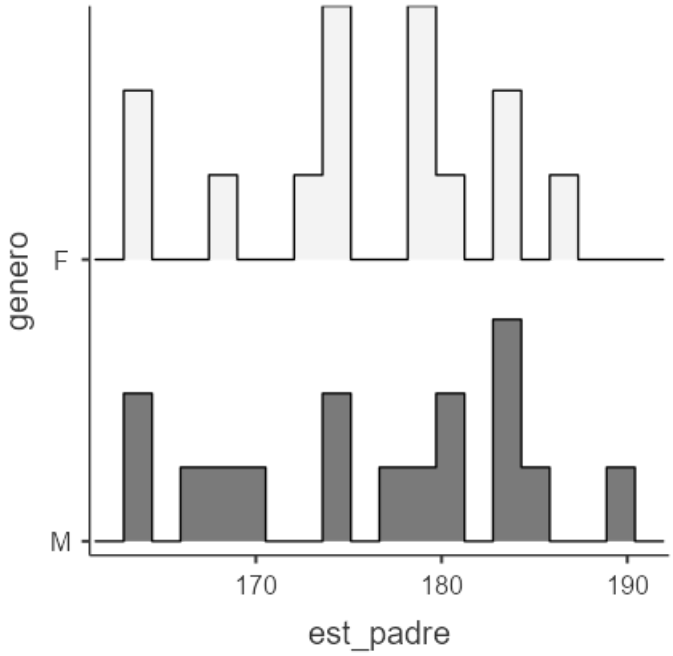

genero
F
M
150
155
160
165
170
est_madre

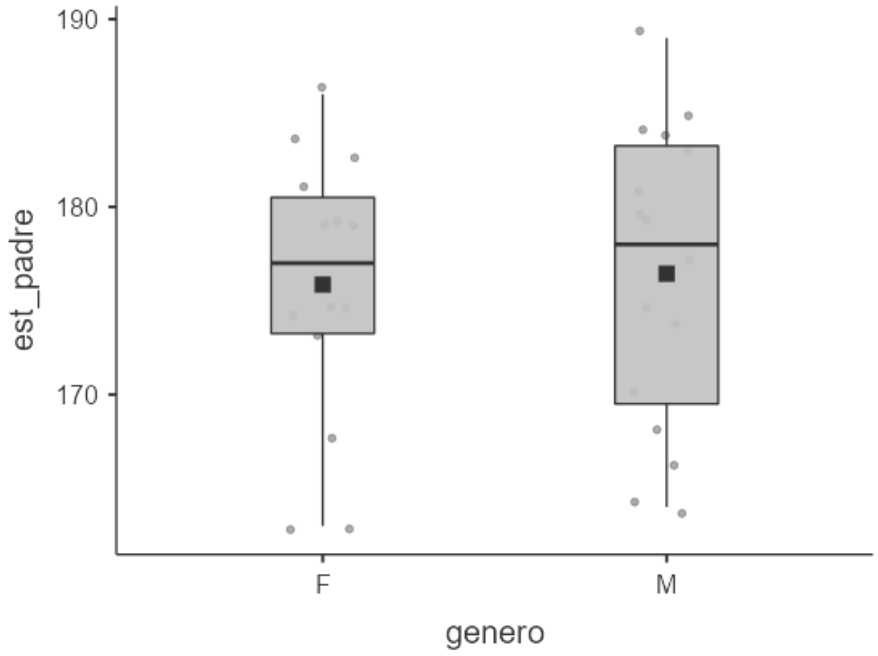

170
165
160
155
150
est_madre
F
M
genero

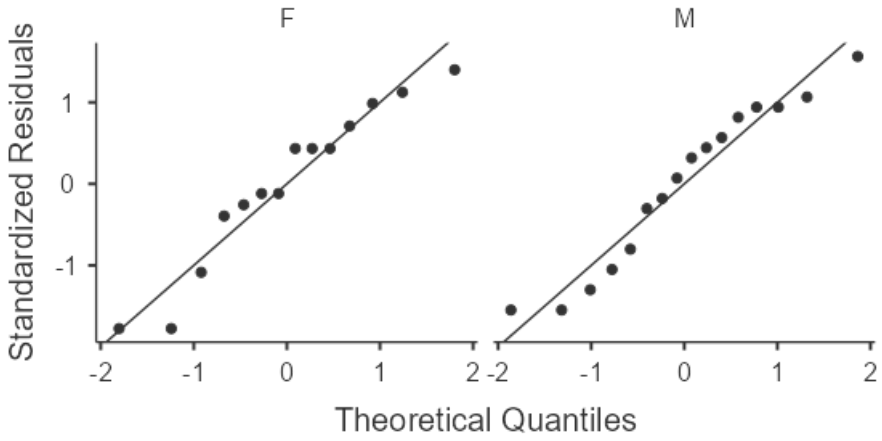

F
M
Standardized Residuals
2
1
0
-1
-2
-1
0
1
2
Theoretical Quantiles

est_padre


150
100
50
0
est_padre
F
M
genero


genero
F
M
170
180
190
est_padre





General Linear Model

Model Info

Info	
Estimate	Linear model fit by OLS
Call	est_sujeto ~ 1 + genero + est_madre + est_padre
R-squared	0.302
Adj. R-squared	0.222

[3]

Model Results

ANOVA Omnibus tests

	SS	df	F	p	η^2p	ε^2
Model	1413	3	3.76	0.023	0.302	0.222
genero	240	1	1.92	0.178	0.069	0.025
est_madre	690	1	5.51	0.027	0.175	0.121
est_padre	481	1	3.84	0.061	0.129	0.076
Residuals	3260	26				
Total	4673	29				

Fixed Effects Parameter Estimates

				95% Confidence Interval					
Names	Effect	Estimate	SE	Lower	Upper	β	df	t	p
(Intercept)	(Intercept)	169.409	2.049	165.20	173.6209	0.000	26	82.68	< .001
genero1	M - F	5.722	4.131	-2.77	14.2144	0.451	26	1.39	0.178
est_madre	est_madre	-0.752	0.320	-1.41	-0.0932	-0.389	26	-2.35	0.027
est_padre	est_padre	-0.542	0.277	-1.11	0.0267	-0.322	26	-1.96	0.061

Assumption Checks

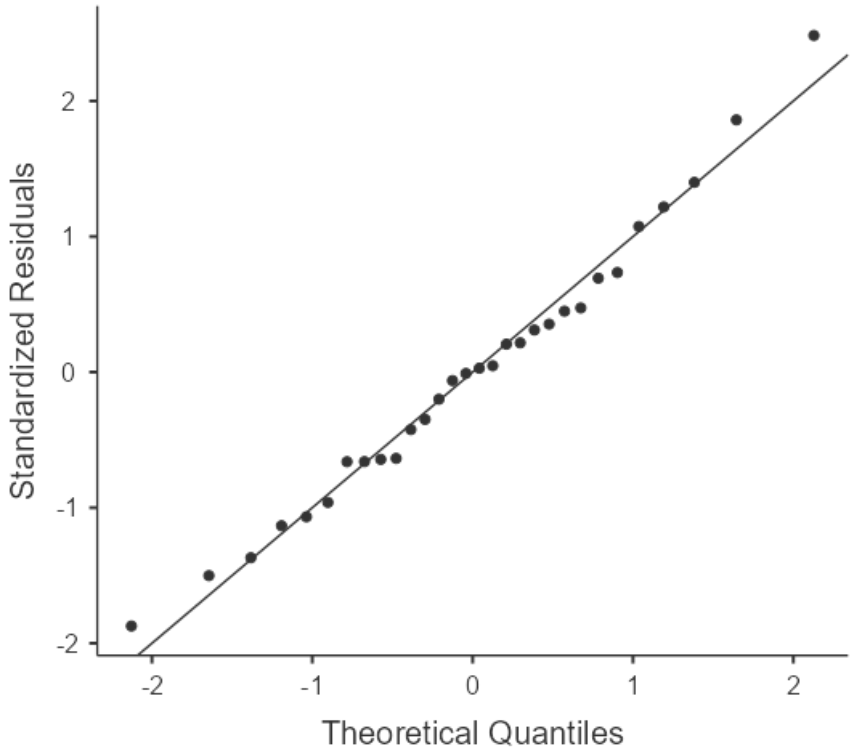
Test for Homogeneity of Residual Variances (Levene's)

F	df1	df2	p
7.03	1	28	0.013

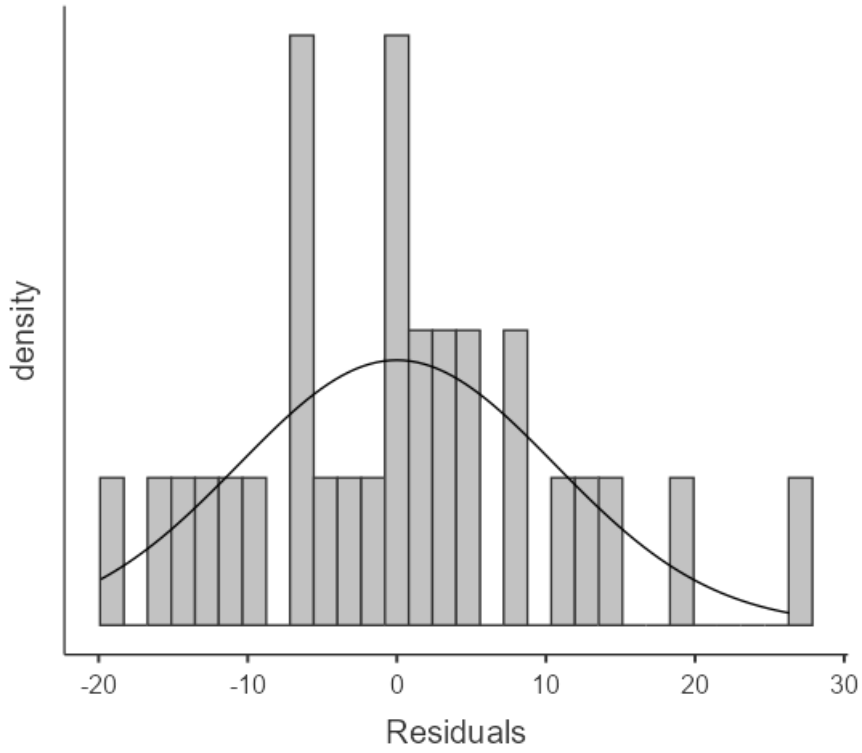
Test for Normality of residuals

Test	Statistics	p
Kolmogorov-Smirnov	0.0846	0.970
Shapiro-Wilk	0.9846	0.930

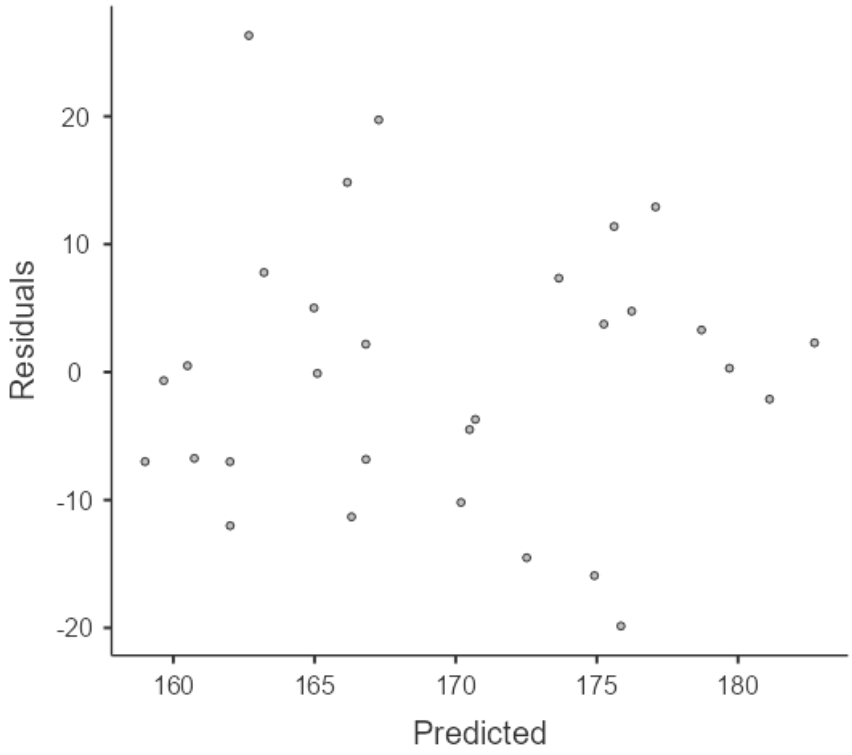
Q-Q Plot



Residual histogram



Residual-Predicted Scatterplot



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[1] The jamovi project (2021). *jamovi*. (Version 2.2) [Computer Software]. Retrieved from https://www.jamovi.org.

[2] R Core Team (2021). *R: A Language and environment for statistical computing*. (Version 4.0) [Computer software]. Retrieved from https://cran.r-project.org. (R packages retrieved from MRAN snapshot 2021-04-01).

[3] Gallucci, M. (2019). *GAMLj: General analyses for linear models*. [jamovi module]. Retrieved from https://gamlj.github.io/.