

Program= MMPC Multiple Linear Regression Output  
 Date/Time: Wednesday, January 25, 2023 12:15 AM  
 Datafile = Glp1RLepRKO TSE for Ancova Males Lean body mass.csv  
 Response Variable = HP  
 Covariate = BW  
 Grouping Variable = Group

Alpha = 0.05

\*\*\*\*\*

18 total cases. Ctrl\_M = 8, KO\_M = 10

R squared = 26.952, R squared (adjusted) = 17.2123

Residual Standard Error 0.0722842 with 15 degrees of freedom

The interaction BW:Group is NOT significant. (p=0.3721)

Source	SumOfSquares	df	MeanSquare	F-ratio	Pvalue	
Regression	0.02892	2	0.01446	2.767	0.09486	
Residual	0.07838	15	0.005225	.	.	

Variables	Estimate	StdError	Pvalue	
(Intercept)	-0.1641	0.1864	0.3927	
BW	0.02283	0.01033	0.0431	
Group	-0.03173	0.04358	0.4777	

| Basic Statistics - Avg(Stdev)

| -----

Groups	Ctrl_M	KO_M	
HP	0.24 (0.072)	0.27 (0.079)	
BW	17.87 (1.226)	20.47 (1.921)	

| Model-based Statistics - Avg HP(StErr)

| -----

BW	Ctrl_M	KO_M	p-value	
Overall Mean	0.28 (0.03)	0.25 (0.026)	0.4777	
Group Means	0.24 (0.026)	0.27 (0.023)	0.4319	
Residual Var	0.00371	0.00645		

MMPC Regression Analysis Data Plots.

