

Instructions

Step 1: Data/Analysis/Data Analysis/Regression

Input Y Range -- C25:C116

Input X Range -- A25:B116

Output Range: G19

Step 2 Enter formula. Pull over/down.

A19 =MIN(A\$25:A\$116) Pull right to Col C

A20 =MAX(A\$25:A\$116) Pull right to Col C

A21 =AVERAGE(A25:A116) Pull right to C

A22 =CORREL(A25:A116,\$C25:\$C116)

D25 =\$H\$35+\$H\$37*\$B25+\$H\$36*A\$19

E25 =\$H\$35+\$H\$37*\$B25+\$H\$36*A\$20

Pull D23:E23 down to row 114

Step 3: Insert XY Plot: Weight vs. Height

Add Series1: Wt-P1min. Series2: Wt-P1max

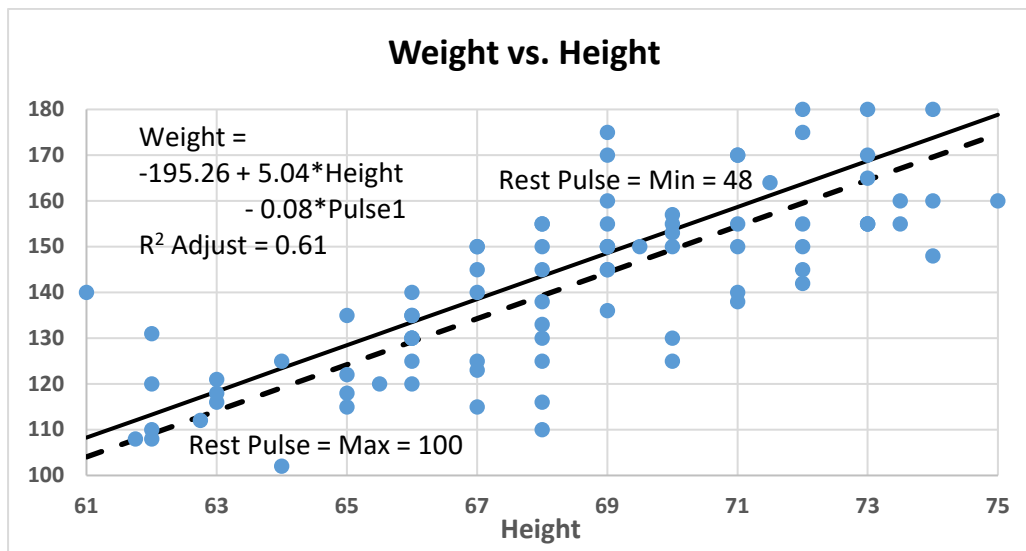
Paint: Line/Solid; Marker/No-Line

Insert Heading , Xaxis series, equation & R^2.

A	B	C	D	E
48	61	95	Min	
100	75	215	Max	
73	69	145	Average	
-0.2	0.8	1.0	Correlation	

Pulse1	Height	Weight	Wt-P1min	Wt-P1max
96	61	140	108	104
76	61.75	108	112	108
60	62	120	113	109
68	62	110	113	109
76	62	108	113	109
94	62	131	113	109
62	62.75	112	117	113
72	63	118	118	114
82	63	116	118	114
87	63	95	118	114
100	63	121	118	114
80	64	102	123	119
90	64	125	123	119

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Row
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18 G H I J K L M

19 SUMMARY OUTPUT

21 Regression Statistics

22	Multiple R	0.78573
23	R Square	0.617372
24	Adjusted R	0.608773
25	Standard E	14.84855
26	Observatio	92

28 ANOVA

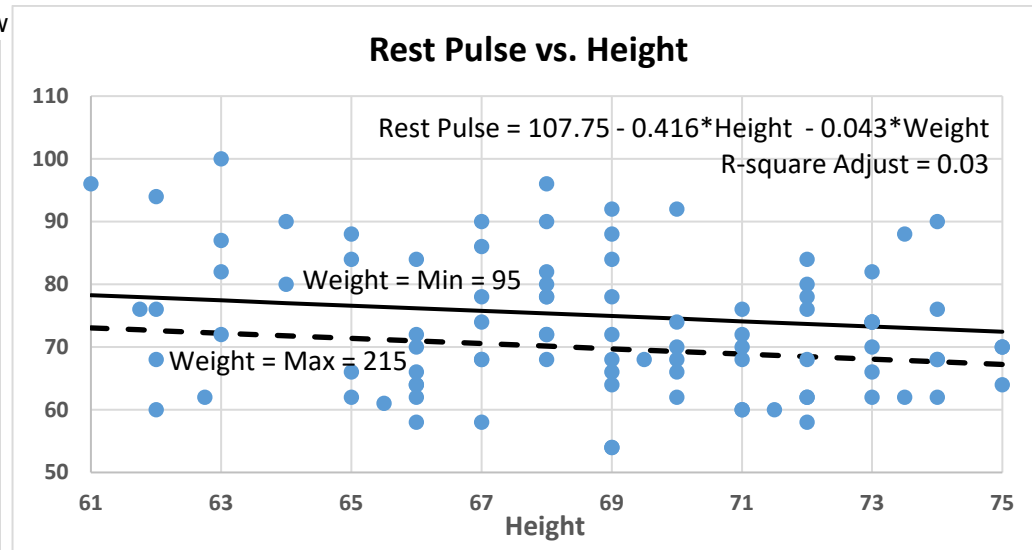
	df	SS	MS	F	ignificance F	
30	Regressor	2	31661.2	15830.6	71.80082	2.71E-19
31	Residual	89	19622.67	220.4794		
32	Total	91	51283.87			

	Coefficient	standard Err	t Stat	P-value	Lower 95%	Upper 95%	ower 95.0%	95.0%
35	Intercept	-195.26	33.79	-5.78	0.00	-262.40	-128.13	-262.40 #####
36	Pulse1	-0.08	0.14	-0.56	0.58	-0.37	0.21	-0.37 0.21
37	Height	5.04	0.44	11.58	0.00	4.18	5.90	4.18 5.90

INSTRUCTIONS:

Step 1: Data/Analysis/Data Analysis/Regression
 Input Y Range -- A25:A116
 Input X Range -- B25:C116
 Output Range: G19
 Step 2 Enter formula. Pull over/down
 C19 =MIN(C\$25:C\$116) Pull left to Col A
 C20 =MAX(C\$25:C\$116) Pull left to Col A
 C21 =AVERAGE(C25:C116) Pull left to Col A
 C22 =CORREL(\$A25:\$A116, C25:C116)
 D25 =\$H\$35+\$H\$36*\$B25+\$H\$37*C\$19
 E25 =\$H\$35+\$H\$36*\$B25+\$H\$37*C\$20
 Pull D23:E23 down to row 114
 Step 3: Insert XY Plot: Rest Pulse vs. Height
 Add Series1: P1-WtMin. Series2: P1-WtMax
 Paint: Line/Solid; Marker/No-Line
 Insert Heading , Xaxis series, equation & R^2.

Row



A	B	C	D	E
48	61	95	Min	
100	75	215	Max	
73	69	145	Average	
1.00	-0.21	-0.20	Correlation	

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G H I J K L M

SUMMARY OUTPUT

Regression Statistics

Multiple R	0.219611
R Square	0.048229
Adjusted R	0.026841
Standard E	10.85996
Observatio	92

ANOVA

	df	SS	MS	F	ignificance F
Regressior	2	531.8888	265.9444	2.254937	0.11084
Residual	89	10496.55	117.9387		
Total	91	11028.43			

Pulse1	Height	Weight	P1-WtMin	P1-WtMax
96	61	140	78	73
76	61.75	108	78	73
60	62	120	78	73
68	62	110	78	73
76	62	108	78	73
94	62	131	78	73
62	62.75	112	78	72
72	63	118	77	72
82	63	116	77	72
87	63	95	77	72
100	63	121	77	72
80	64	102	77	72
90	64	125	77	72

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	Coefficient	standard Err	t Stat	P-value	Lower 95%	Upper 95%	ower 95.0%	95.0%
Intercept	107.7537	26.63415	4.045696	0.000111	54.83218	160.6752	54.83218	160.7
Height	-0.41583	0.502058	-0.82825	0.409744	-1.41341	0.581748	-1.413407	0.582
Weight	-0.04347	0.077389	-0.56167	0.575751	-0.19724	0.110303	-0.197238	0.11