

### Regression Analysis: WT versus HT, GENDER\_M\_1, HT\*GENDER\_M\_1

The regression equation is

$$WT = -128 + 4.00 HT - 56.2 GENDER\_M\_1 + 1.14 HT*GENDER\_M\_1$$

Predictor	Coef	SE Coef	T	P
Constant	-128.05	21.21	-6.04	0.000
HT	4.0039	0.3266	12.26	0.000
GENDER_M_1	-56.16	30.83	-1.82	0.069
HT*GENDER_M_1	1.1382	0.4544	2.50	0.012

S = 23.0840 R-Sq = 58.6% R-Sq(adj) = 58.5%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	960396	320132	600.77	0.000
Residual Error	1274	678879	533		
Total	1277	1639274			

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### Regression Analysis: WT versus HT, GENDER\_F\_1

The regression equation is

$$WT = -145 + 4.59 HT - 20.9 GENDER\_F\_1$$

Predictor	Coef	SE Coef	T	P
Constant	-145.28	16.13	-9.01	0.000
HT	4.5920	0.2275	20.18	0.000
GENDER_F_1	-20.922	1.868	-11.20	0.000

S = 23.1317 R-Sq = 58.4% R-Sq(adj) = 58.3%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	2	957053	478526	894.32	0.000
Residual Error	1275	682222	535		
Total	1277	1639274			

### Regression Analysis: WT versus HT, GENDER\_F\_1, HT\*GENDER\_F\_1

The regression equation is

$$WT = -184 + 5.14 HT + 56.2 GENDER\_F\_1 - 1.14 HT*GENDER\_F\_1$$

Predictor	Coef	SE Coef	T	P
Constant	-184.21	22.38	-8.23	0.000
HT	5.1421	0.3159	16.28	0.000
GENDER_F_1	56.16	30.83	1.82	0.069
HT*GENDER_F_1	-1.1382	0.4544	-2.50	0.012

S = 23.0840 R-Sq = 58.6% R-Sq(adj) = 58.5%

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	3	960396	320132	600.77	0.000
Residual Error	1274	678879	533		
Total	1277	1639274			