

Regression of PctBodyFat2 on All Predictors

The REG Procedure
Model: MODEL1
Dependent Variable: PctBodyFat2

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	13	13159	1012.22506	54.50	<.0001
Error	238	4420.06401	18.57170		
Corrected Total	251	17579			

Root MSE	4.30949	R-Square	0.7486
Dependent Mean	19.15079	Adj R-Sq	0.7348
Coeff Var	22.50293		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-21.35323	22.18616	-0.96	0.3368
Age	1	0.06457	0.03219	2.01	0.0460
Weight	1	-0.09638	0.06185	-1.56	0.1205
Height	1	-0.04394	0.17870	-0.25	0.8060
Neck	1	-0.47547	0.23557	-2.02	0.0447
Chest	1	-0.01718	0.10322	-0.17	0.8679
Abdomen	1	0.95500	0.09016	10.59	<.0001
Hip	1	-0.18859	0.14479	-1.30	0.1940
Thigh	1	0.24835	0.14617	1.70	0.0906
Knee	1	0.01395	0.24775	0.06	0.9552
Ankle	1	0.17788	0.22262	0.80	0.4251
Biceps	1	0.18230	0.17250	1.06	0.2917
Forearm	1	0.45574	0.19930	2.29	0.0231
Wrist	1	-1.65450	0.53316	-3.10	0.0021

Regression of PctBodyFat2 on All Predictors, Minus Knee

The REG Procedure
Model: MODEL1
Dependent Variable: PctBodyFat2

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	13159	1096.57225	59.29	<.0001
Error	239	4420.12286	18.49424		
Corrected Total	251	17579			

Root MSE	4.30049	R-Square	0.7486
Dependent Mean	19.15079	Adj R-Sq	0.7359
Coeff Var	22.45595		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-21.30204	22.12123	-0.96	0.3365
Age	1	0.06503	0.03108	2.09	0.0374
Weight	1	-0.09602	0.06138	-1.56	0.1191
Height	1	-0.04166	0.17369	-0.24	0.8107
Neck	1	-0.47695	0.23361	-2.04	0.0423
Chest	1	-0.01732	0.10298	-0.17	0.8666
Abdomen	1	0.95497	0.08998	10.61	<.0001
Hip	1	-0.18801	0.14413	-1.30	0.1933
Thigh	1	0.25089	0.13876	1.81	0.0719
Ankle	1	0.18018	0.21841	0.82	0.4102
Biceps	1	0.18182	0.17193	1.06	0.2913
Forearm	1	0.45667	0.19820	2.30	0.0221
Wrist	1	-1.65227	0.53057	-3.11	0.0021

Regression of PctBodyFat2 on All Predictors, Minus Knee, Chest

The REG Procedure
Model: MODEL1
Dependent Variable: PctBodyFat2

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	13158	1196.21310	64.94	<.0001
Error	240	4420.64572	18.41936		
Corrected Total	251	17579			

Root MSE	4.29178	R-Square	0.7485
Dependent Mean	19.15079	Adj R-Sq	0.7370
Coeff Var	22.41044		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-23.13736	19.20171	-1.20	0.2294
Age	1	0.06488	0.03100	2.09	0.0374
Weight	1	-0.10095	0.05380	-1.88	0.0618
Height	1	-0.03120	0.16185	-0.19	0.8473
Neck	1	-0.47631	0.23311	-2.04	0.0421
Abdomen	1	0.94965	0.08406	11.30	<.0001
Hip	1	-0.18316	0.14092	-1.30	0.1950
Thigh	1	0.25583	0.13534	1.89	0.0599
Ankle	1	0.18215	0.21765	0.84	0.4035
Biceps	1	0.18055	0.17141	1.05	0.2933
Forearm	1	0.45262	0.19634	2.31	0.0220
Wrist	1	-1.64984	0.52930	-3.12	0.0020