

## 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
<b>Model</b>	13	13159	1012.22506	54.50	<.0001
<b>Error</b>	238	4420.06401	18.57170		
<b>Corrected Total</b>	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
<b>Intercept</b>	1	-21.35323	22.18616	-0.96	0.3368
<b>Age</b>	1	0.06457	0.03219	2.01	0.0460
<b>Weight</b>	1	-0.09638	0.06185	-1.56	0.1205
<b>Height</b>	1	-0.04394	0.17870	-0.25	0.8060
<b>Neck</b>	1	-0.47547	0.23557	-2.02	0.0447
<b>Chest</b>	1	-0.01718	0.10322	-0.17	0.8679
<b>Abdomen</b>	1	0.95500	0.09016	10.59	<.0001
<b>Hip</b>	1	-0.18859	0.14479	-1.30	0.1940
<b>Thigh</b>	1	0.24835	0.14617	1.70	0.0906
<b>Knee</b>	1	0.01395	0.24775	0.06	0.9552
<b>Ankle</b>	1	0.17788	0.22262	0.80	0.4251
<b>Biceps</b>	1	0.18230	0.17250	1.06	0.2917
<b>Forearm</b>	1	0.45574	0.19930	2.29	0.0231
<b>Wrist</b>	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
<b>Model</b>	12	13159	1096.57225	59.29	<.0001
<b>Error</b>	239	4420.12286	18.49424		
<b>Corrected Total</b>	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
<b>Intercept</b>	1	-21.30204	22.12123	-0.96	0.3365
<b>Age</b>	1	0.06503	0.03108	2.09	0.0374
<b>Weight</b>	1	-0.09602	0.06138	-1.56	0.1191
<b>Height</b>	1	-0.04166	0.17369	-0.24	0.8107
<b>Neck</b>	1	-0.47695	0.23361	-2.04	0.0423
<b>Chest</b>	1	-0.01732	0.10298	-0.17	0.8666
<b>Abdomen</b>	1	0.95497	0.08998	10.61	<.0001
<b>Hip</b>	1	-0.18801	0.14413	-1.30	0.1933
<b>Thigh</b>	1	0.25089	0.13876	1.81	0.0719
<b>Ankle</b>	1	0.18018	0.21841	0.82	0.4102
<b>Biceps</b>	1	0.18182	0.17193	1.06	0.2913
<b>Forearm</b>	1	0.45667	0.19820	2.30	0.0221
<b>Wrist</b>	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
<b>Model</b>	11	13158	1196.21310	64.94	<.0001
<b>Error</b>	240	4420.64572	18.41936		
<b>Corrected Total</b>	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
<b>Intercept</b>	1	-23.13736	19.20171	-1.20	0.2294
<b>Age</b>	1	0.06488	0.03100	2.09	0.0374
<b>Weight</b>	1	-0.10095	0.05380	-1.88	0.0618
<b>Height</b>	1	-0.03120	0.16185	-0.19	0.8473
<b>Neck</b>	1	-0.47631	0.23311	-2.04	0.0421
<b>Abdomen</b>	1	0.94965	0.08406	11.30	<.0001
<b>Hip</b>	1	-0.18316	0.14092	-1.30	0.1950
<b>Thigh</b>	1	0.25583	0.13534	1.89	0.0599
<b>Ankle</b>	1	0.18215	0.21765	0.84	0.4035
<b>Biceps</b>	1	0.18055	0.17141	1.05	0.2933
<b>Forearm</b>	1	0.45262	0.19634	2.31	0.0220
<b>Wrist</b>	1	-1.64984	0.52930	-3.12	0.0020