

**SBC STEPWISE Selection with PctBodyFat2****The GLMSELECT Procedure**

<b>Data Set</b>	STAT1.BODYFAT2
<b>Dependent Variable</b>	PctBodyFat2
<b>Selection Method</b>	Stepwise
<b>Select Criterion</b>	SBC
<b>Stop Criterion</b>	SBC
<b>Effect Hierarchy Enforced</b>	None

<b>Number of Observations Read</b>	252
<b>Number of Observations Used</b>	252

<b>Dimensions</b>	
<b>Number of Effects</b>	14
<b>Number of Parameters</b>	14

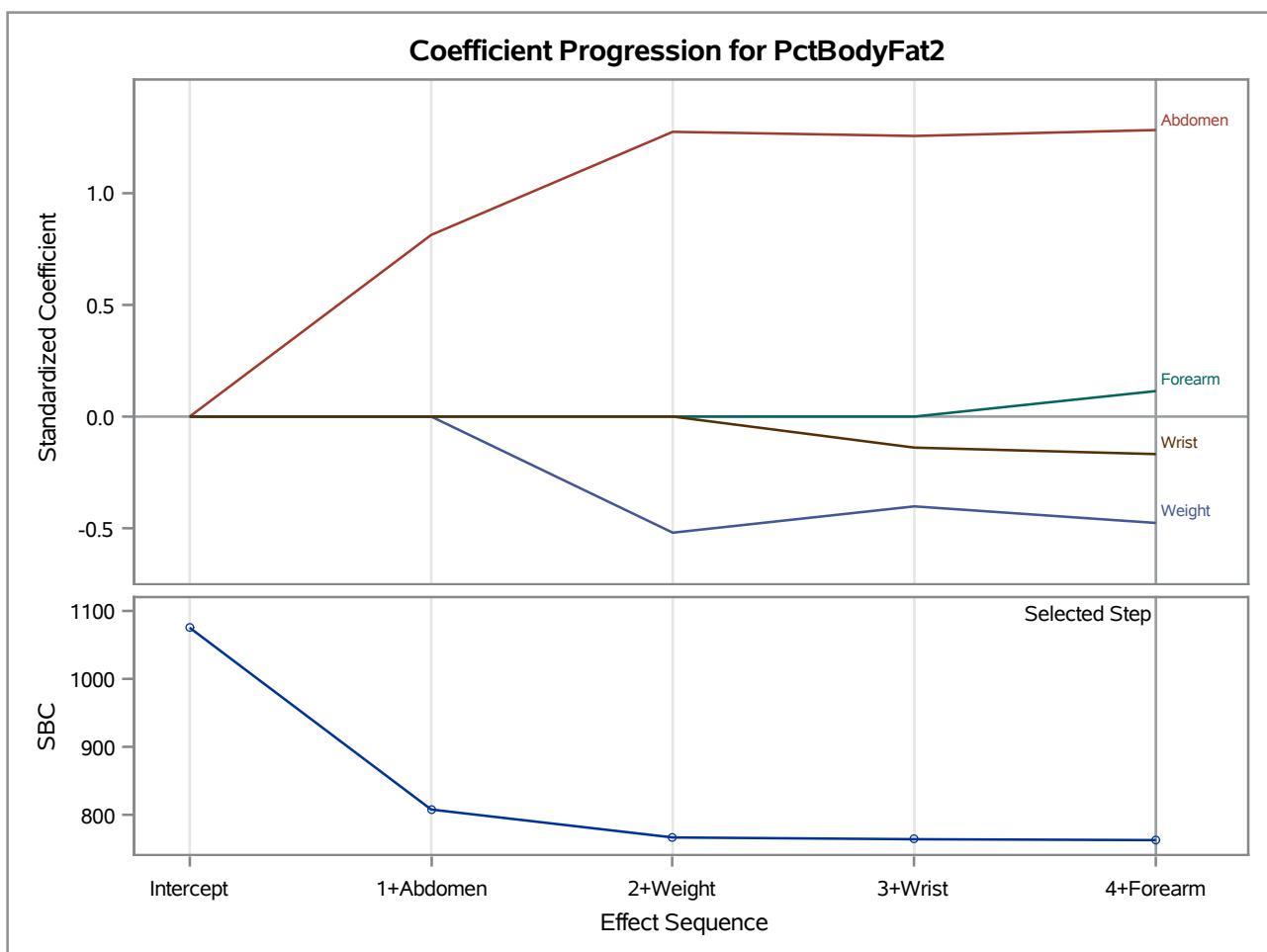
**SBC STEPWISE Selection with PctBodyFat2****The GLMSELECT Procedure**

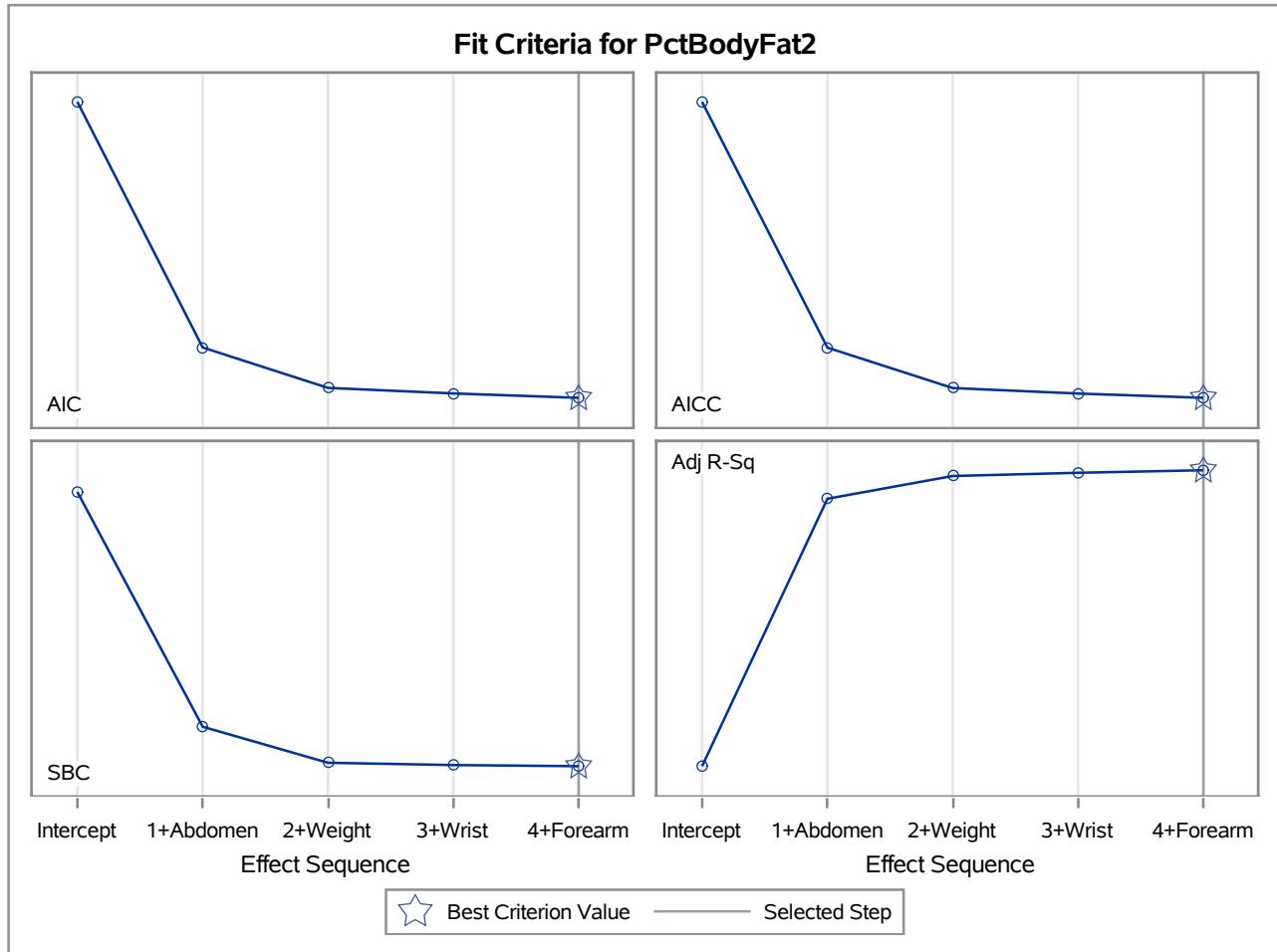
Stepwise Selection Summary				
Step	Effect Entered	Effect Removed	Number Effects In	SBC
0	Intercept		1	1075.2771
1	Abdomen		2	807.7042
2	Weight		3	766.6280
3	Wrist		4	764.0139
4	Forearm		5	762.7218*

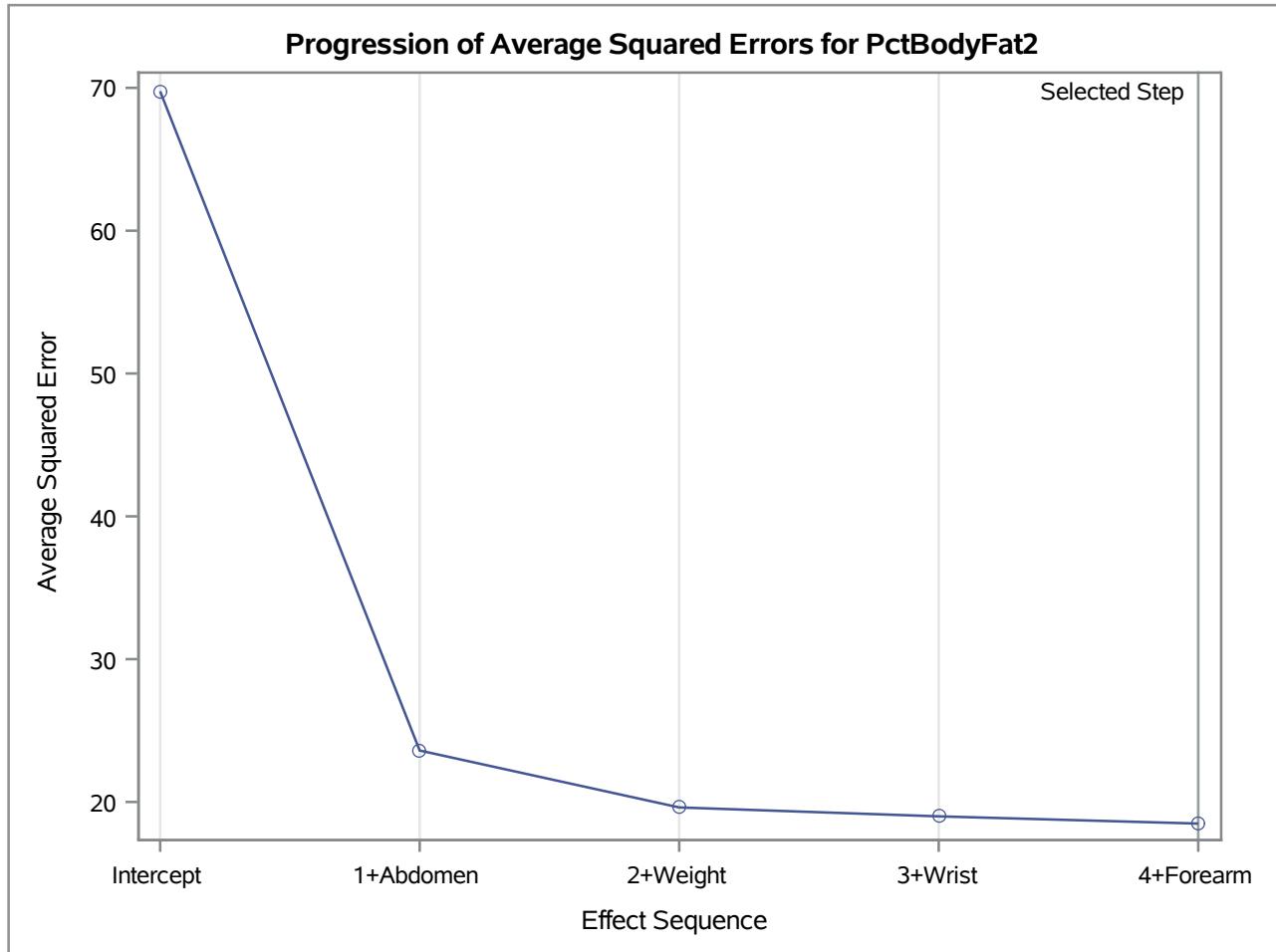
\* Optimal Value of Criterion

Selection stopped at a local minimum of the SBC criterion.

Stop Details				
Candidate For	Effect	Candidate SBC		Compare SBC
Entry	Neck	765.4734	>	762.7218
Removal	Forearm	764.0139	>	762.7218



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Selected Model****The selected model is the model at the last step (Step 4).**

<b>Effects:</b>	Intercept Weight Abdomen Forearm Wrist
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
<b>Model</b>	4	12921	3230.18852	171.28
<b>Error</b>	247	4658.23577	18.85925	
<b>Corrected Total</b>	251	17579		

<b>Root MSE</b>	4.34272
<b>Dependent Mean</b>	19.15079
<b>R-Square</b>	0.7350
<b>Adj R-Sq</b>	0.7307
<b>AIC</b>	999.07467
<b>AICC</b>	999.41753
<b>SBC</b>	762.72182

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
<b>Intercept</b>	1	-34.854074	7.245005	-4.81
<b>Weight</b>	1	-0.135631	0.024748	-5.48
<b>Abdomen</b>	1	0.995751	0.056066	17.76
<b>Forearm</b>	1	0.472928	0.181661	2.60
<b>Wrist</b>	1	-1.505562	0.442666	-3.40

**AIC STEPWISE Selection with PctBodyFat2****The GLMSELECT Procedure**

<b>Data Set</b>	STAT1.BODYFAT2
<b>Dependent Variable</b>	PctBodyFat2
<b>Selection Method</b>	Stepwise
<b>Select Criterion</b>	AIC
<b>Stop Criterion</b>	AIC
<b>Effect Hierarchy Enforced</b>	None

<b>Number of Observations Read</b>	252
<b>Number of Observations Used</b>	252

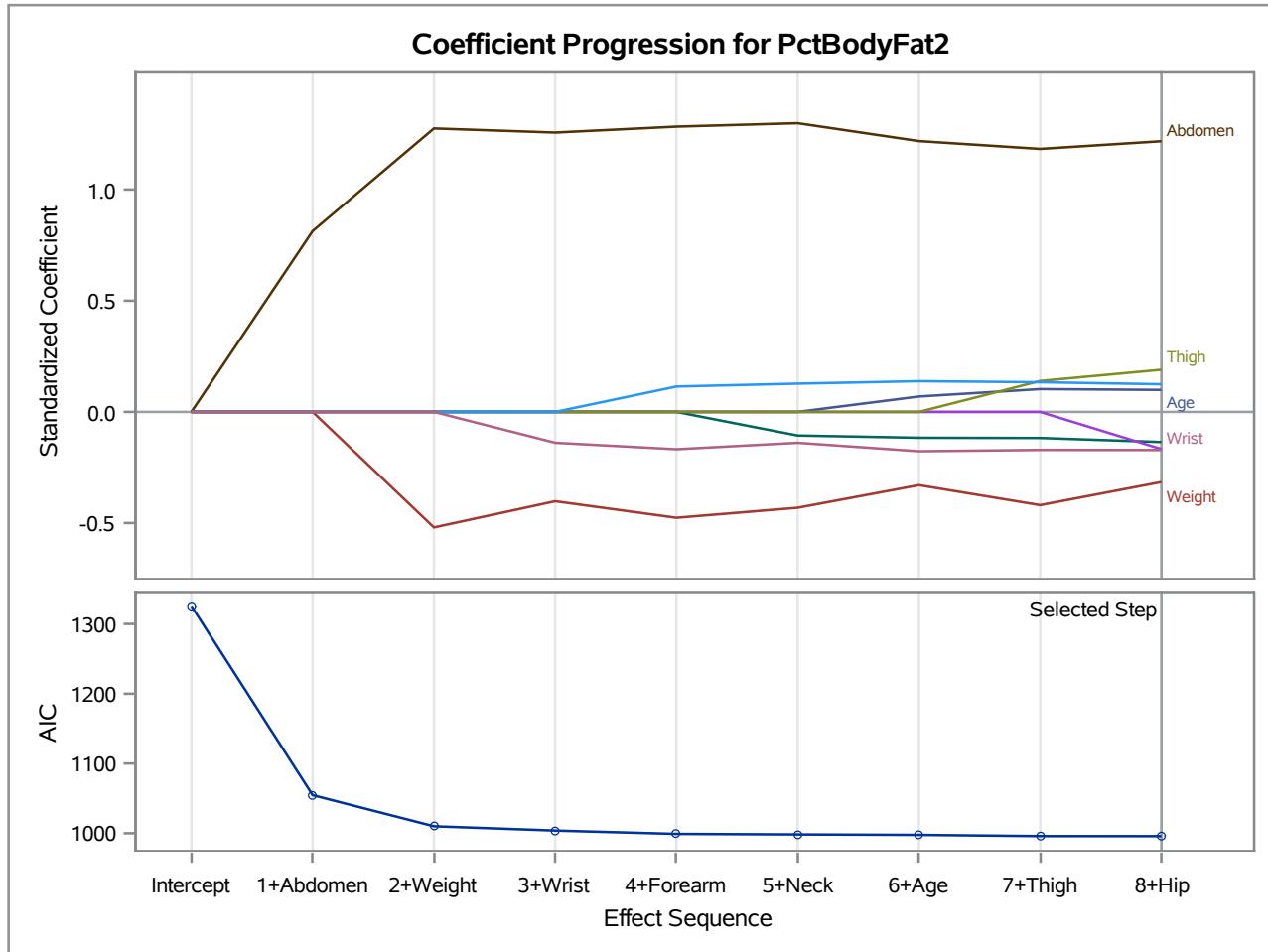
<b>Dimensions</b>	
<b>Number of Effects</b>	14
<b>Number of Parameters</b>	14

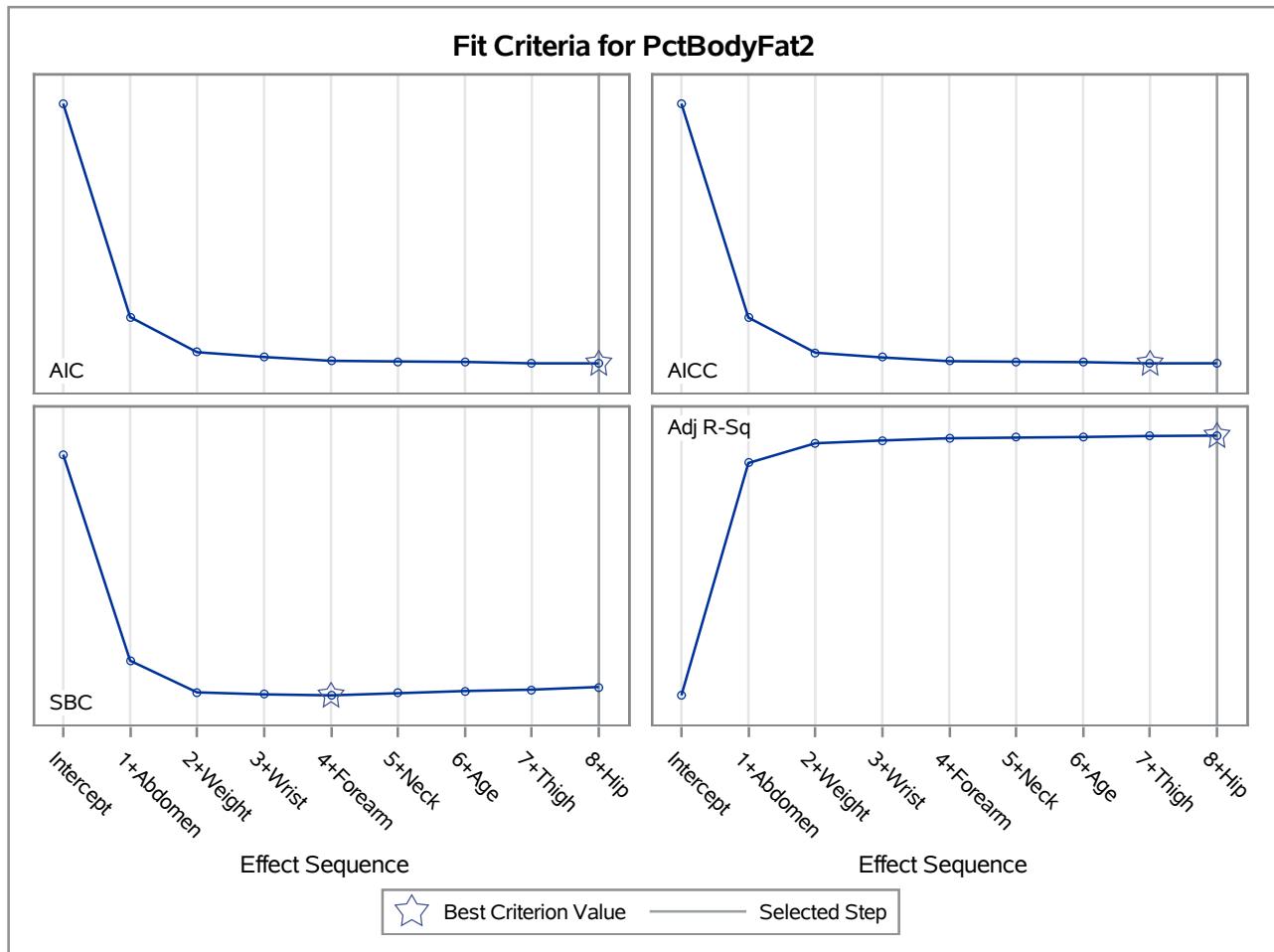
**AIC STEPWISE Selection with PctBodyFat2****The GLMSELECT Procedure**

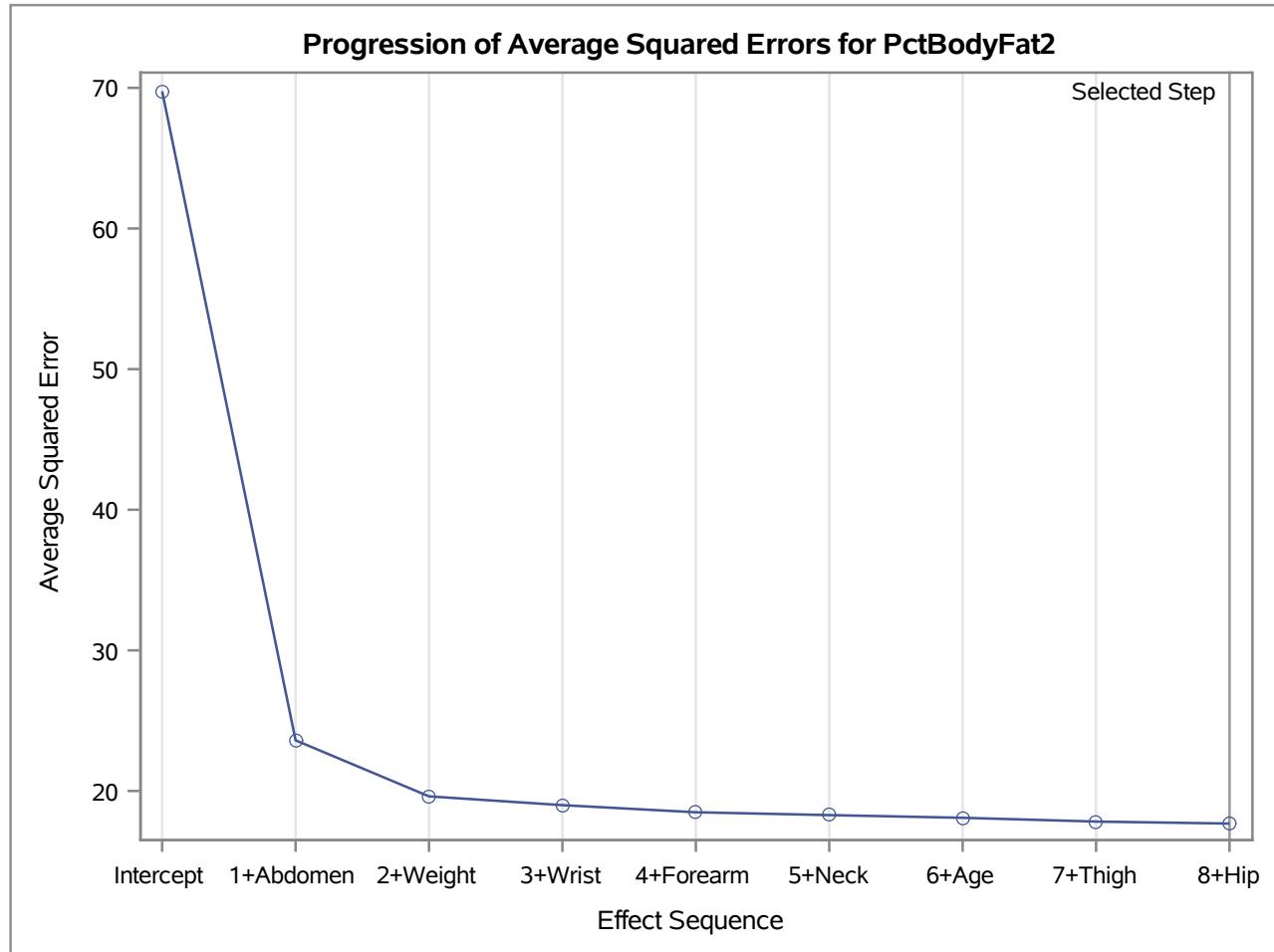
Stepwise Selection Summary				
Step	Effect Entered	Effect Removed	Number Effects In	AIC
0	<b>Intercept</b>		1	1325.7477
1	<b>Abdomen</b>		2	1054.6453
2	<b>Weight</b>		3	1010.0398
3	<b>Wrist</b>		4	1003.8962
4	<b>Forearm</b>		5	999.0747
5	<b>Neck</b>		6	998.2968
6	<b>Age</b>		7	997.6612
7	<b>Thigh</b>		8	995.9088
8	<b>Hip</b>		9	995.8514*
* Optimal Value of Criterion				

Selection stopped at a local minimum of the AIC criterion.

Stop Details				
Candidate For	Effect	Candidate AIC	Compare AIC	
<b>Entry</b>	Biceps	996.6772	>	995.8514
<b>Removal</b>	Hip	995.9088	>	995.8514

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**AIC STEPWISE Selection with PctBodyFat2****The GLMSELECT Procedure  
Selected Model****The selected model is the model at the last step (Step 8).**

<b>Effects:</b>	Intercept Age Weight Neck Abdomen Hip Thigh Forearm Wrist
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Analysis of Variance				
Source	DF	Sum of Squares	Mean Square	F Value
<b>Model</b>	8	13124	1640.45820	89.47
<b>Error</b>	243	4455.32427	18.33467	
<b>Corrected Total</b>	251	17579		

<b>Root MSE</b>	4.28190
<b>Dependent Mean</b>	19.15079
<b>R-Square</b>	0.7466
<b>Adj R-Sq</b>	0.7382
<b>AIC</b>	995.85136
<b>AICC</b>	996.76422
<b>SBC</b>	773.61622

Parameter Estimates				
Parameter	DF	Estimate	Standard Error	t Value
<b>Intercept</b>	1	-22.656373	11.713855	-1.93
<b>Age</b>	1	0.065780	0.030776	2.14
<b>Weight</b>	1	-0.089853	0.039906	-2.25
<b>Neck</b>	1	-0.466558	0.224617	-2.08
<b>Abdomen</b>	1	0.944815	0.071934	13.13
<b>Hip</b>	1	-0.195435	0.138467	-1.41
<b>Thigh</b>	1	0.302392	0.129042	2.34
<b>Forearm</b>	1	0.515721	0.186310	2.77
<b>Wrist</b>	1	-1.536652	0.509389	-3.02