

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

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

Number of Observations Read	252
Number of Observations Used	252

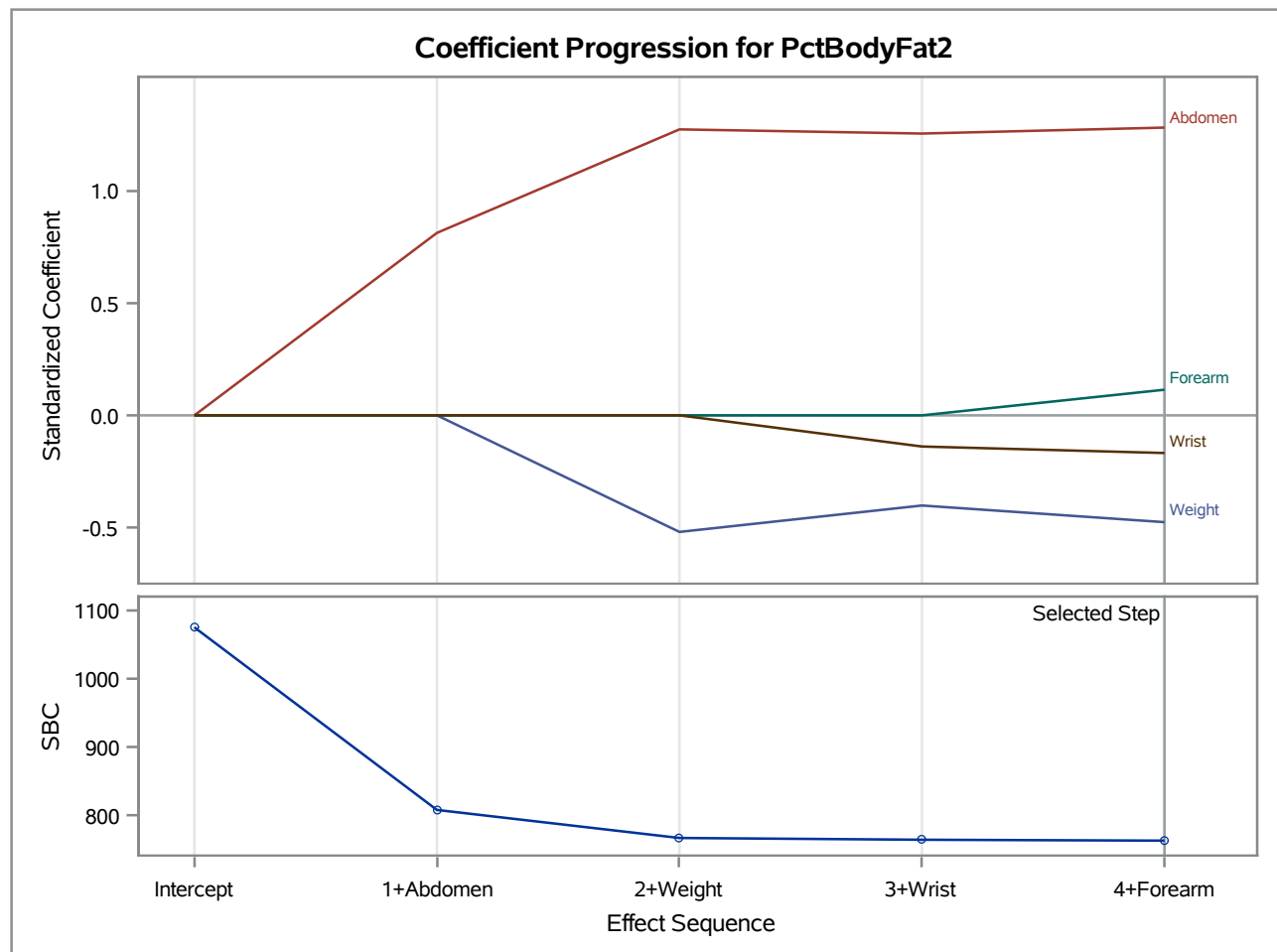
Dimensions	
Number of Effects	14
Number of Parameters	14

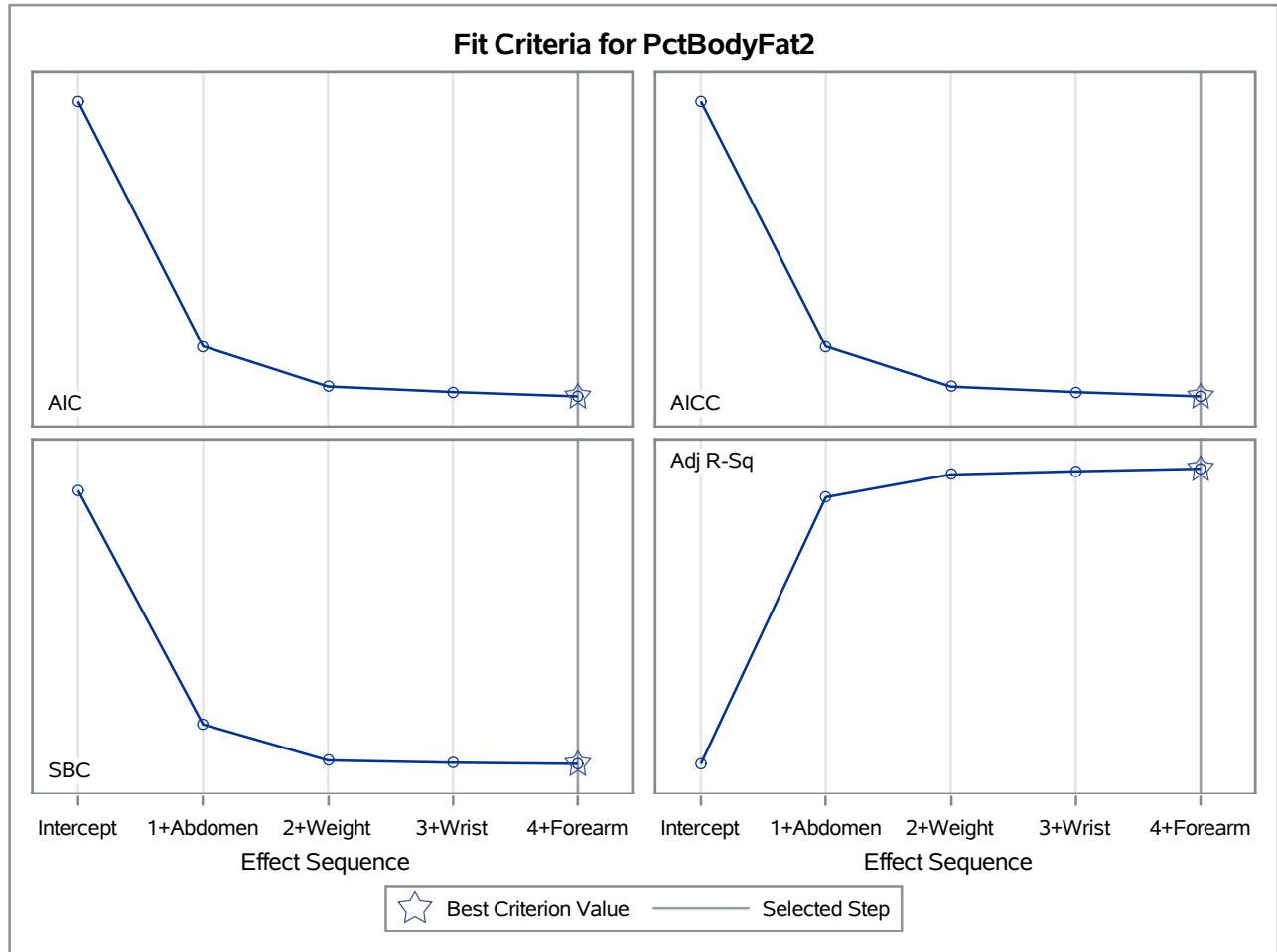
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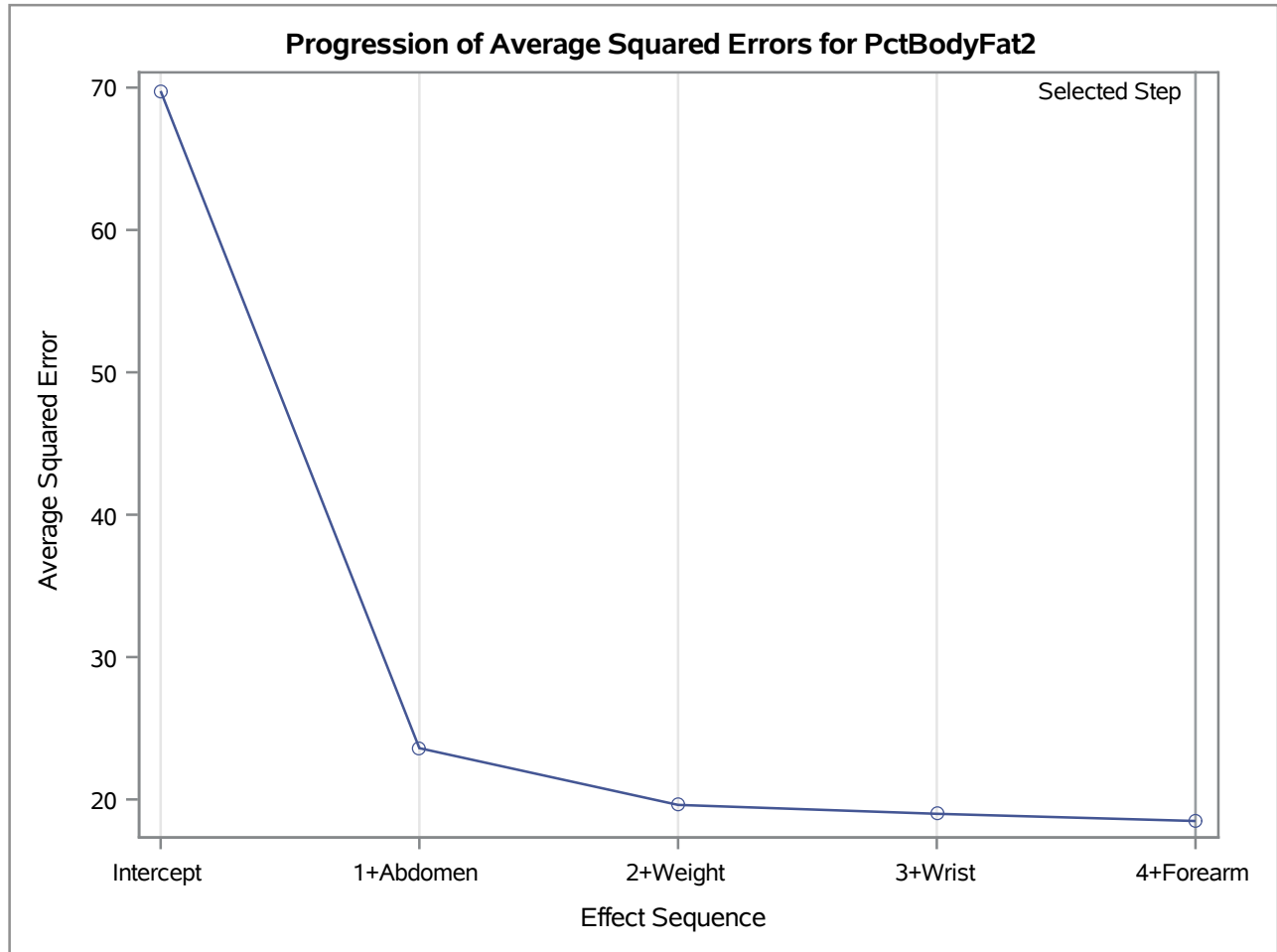
Stepwise Selection Summary				
Step	Effect Entered	Effect Removed	Number Effects In	SBC
0	Intercept		1	1075.2771
1	Abdomen		2	807.7042
2	Weight		3	766.6280
3	Wrist		4	764.0139
4	Forearm		5	762.7218*
* Optimal Value of Criterion				

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).**

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

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

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

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

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

Number of Observations Read	252
Number of Observations Used	252

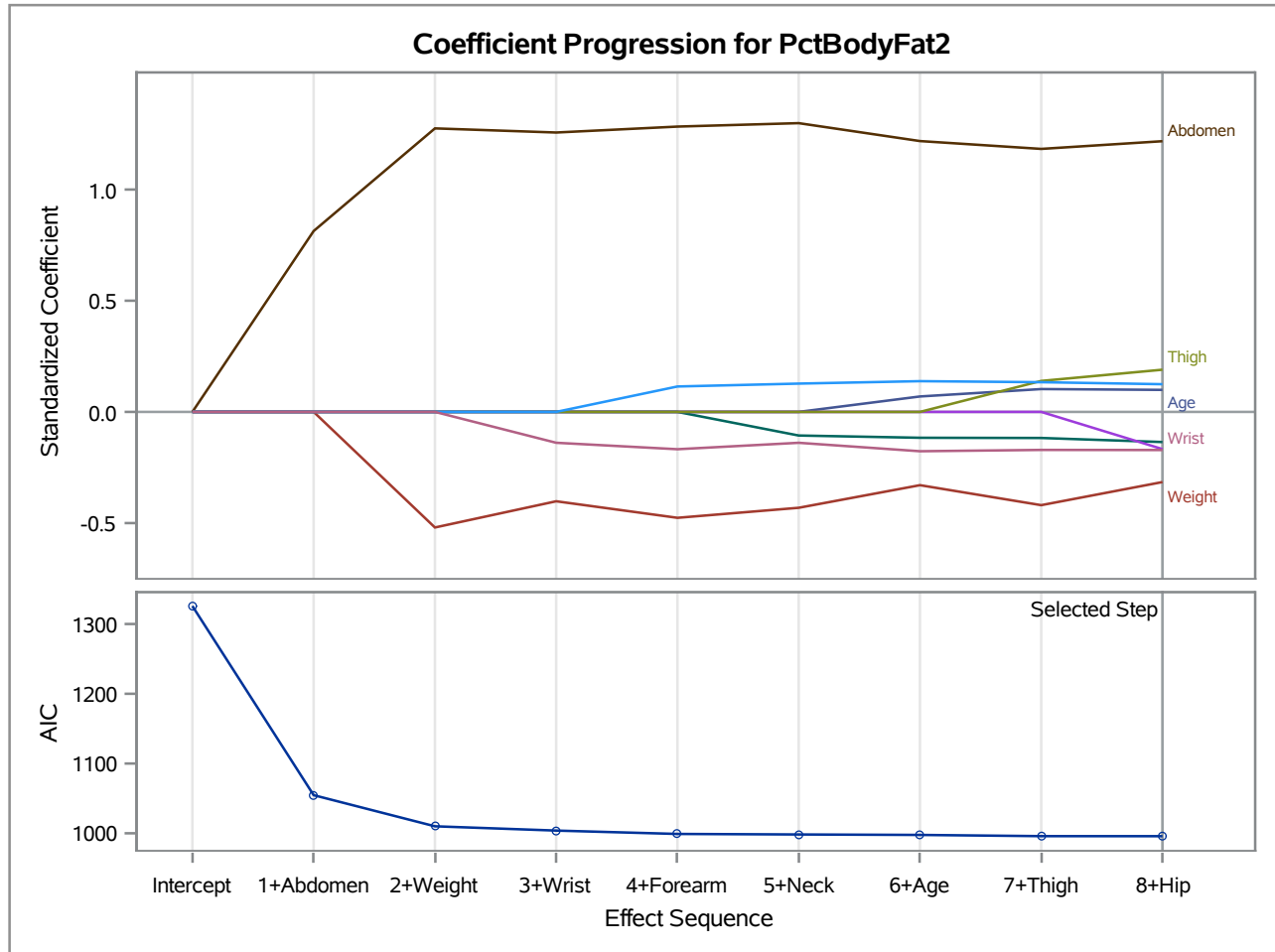
Dimensions	
Number of Effects	14
Number of Parameters	14

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

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

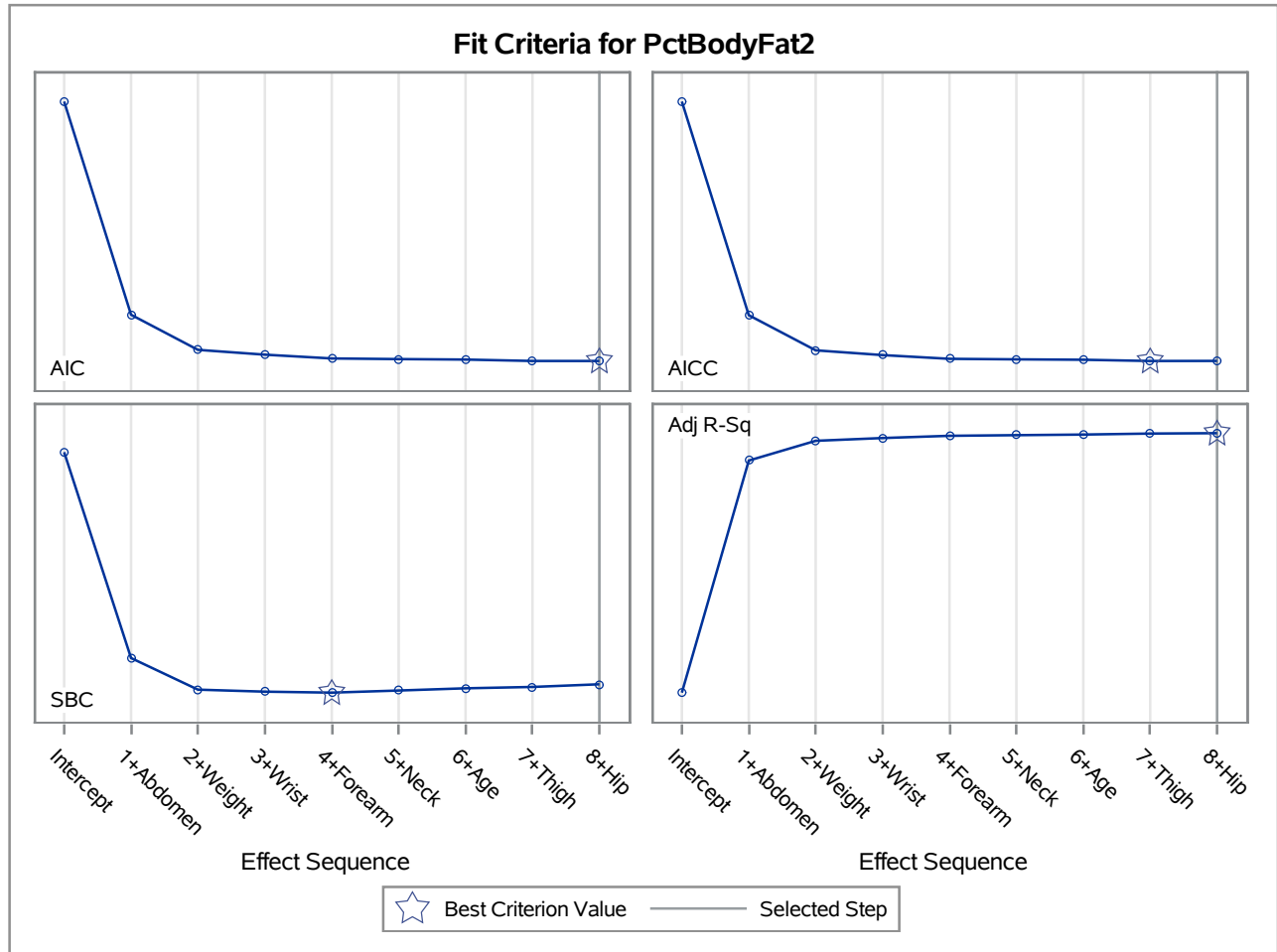
Selection stopped at a local minimum of the AIC criterion.

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

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

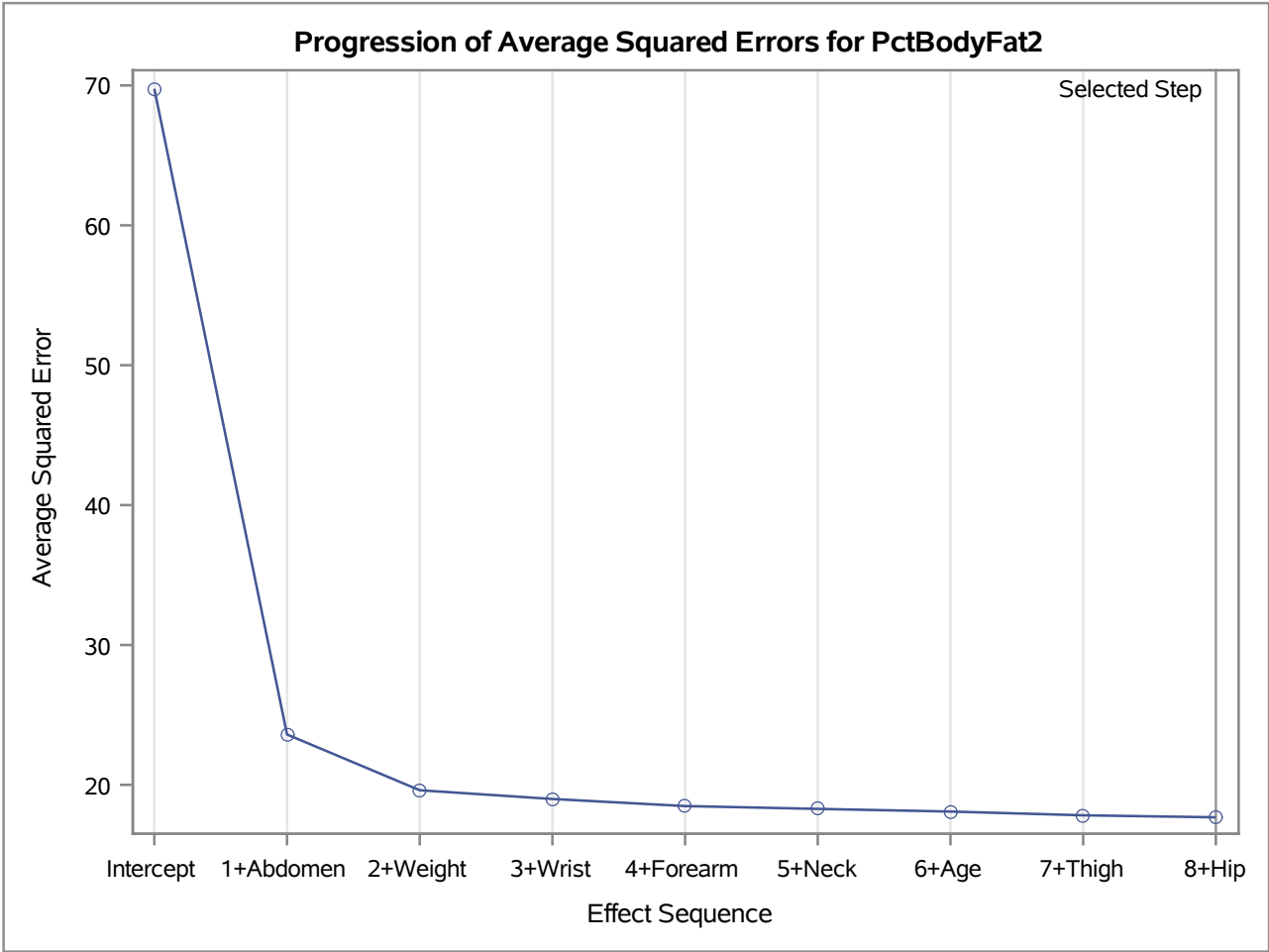
AIC STEPWISE Selection with PctBodyFat2

The GLMSELECT Procedure



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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).**

Effects:	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
Model	8	13124	1640.45820	89.47
Error	243	4455.32427	18.33467	
Corrected Total	251	17579		

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

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