The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child

Number of Observations Read	150
Number of Observations Used	150

Stepwise Selection: Step 1

Variable Age_oldest_child Entered: R-Square = 0.8304 and C(p) = 159.9509

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	5937.89778	5937.89778	724.61	<.0001
Error	148	1212.79555	8.19456		
Corrected Total	149	7150.69333			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	35.09763	0.95753	11010	1343.54	<.0001
Age_oldest_child	1.97855	0.07350	5937.89778	724.61	<.0001

Bounds on condition number: 1, 1

Stepwise Selection: Step 2

Variable Weight_oldest_child Entered: R-Square = 0.8918 and C(p) = 51.1454

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	6377.13318	3188.56659	605.92	<.0001
Error	147	773.56015	5.26231		
Corrected Total	149	7150.69333			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	37.17037	0.80016	11356	2157.95	<.0001
Age_oldest_child	1.13175	0.10982	558.88248	106.20	<.0001
Weight_oldest_child	0.08405	0.00920	439.23540	83.47	<.0001

Bounds on condition number: 3.4763, 13.905

The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child

Stepwise Selection: Step 3

Variable Height_father Entered: R-Square = 0.9088 and C(p) = 22.5495

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	6498.41596	2166.13865	484.85	<.0001
Error	146	652.27738	4.46765		
Corrected Total	149	7150.69333			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	14.03591	4.50096	43.44601	9.72	0.0022
Age_oldest_child	1.21966	0.10259	631.52269	141.35	<.0001
Weight_oldest_child	0.07545	0.00864	340.98721	76.32	<.0001
Height_father	0.33073	0.06348	121.28277	27.15	<.0001

Bounds on condition number: 3.6082, 24.657

Stepwise Selection: Step 4

Variable Height_mother Entered: R-Square = 0.9172 and C(p) = 9.3150

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	6558.80586	1639.70146	401.69	<.0001
Error	145	591.88748	4.08198		
Corrected Total	149	7150.69333			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	1.29694	5.42946	0.23292	0.06	0.8115
Age_oldest_child	1.23255	0.09811	644.18976	157.81	<.0001
Weight_oldest_child	0.07463	0.00826	333.45052	81.69	<.0001
Height_mother	0.26878	0.06988	60.38990	14.79	0.0002
Height_father	0.26479	0.06305	71.99127	17.64	<.0001

Bounds on condition number: 3.6106, 37.582

The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child

Stepwise Selection: Step 5

Variable Weight_mother Entered: R-Square = 0.9201 and C(p) = 6.1778

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	5	6579.16950	1315.83390	331.53	<.0001
Error	144	571.52383	3.96892		
Corrected Total	149	7150.69333			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	0.52776	5.36450	0.03841	0.01	0.9218
Age_oldest_child	1.21129	0.09720	616.35434	155.30	<.0001
Weight_oldest_child	0.07769	0.00825	351.65930	88.60	<.0001
Height_mother	0.32174	0.07276	77.59926	19.55	<.0001
Weight_mother	-0.01282	0.00566	20.36365	5.13	0.0250
Height_father	0.25345	0.06237	65.53135	16.51	<.0001

Bounds on condition number: 3.7096, 54.07

All variables left in the model are significant at the 0.1500 level.

No other variable met the 0.1500 significance level for entry into the model.

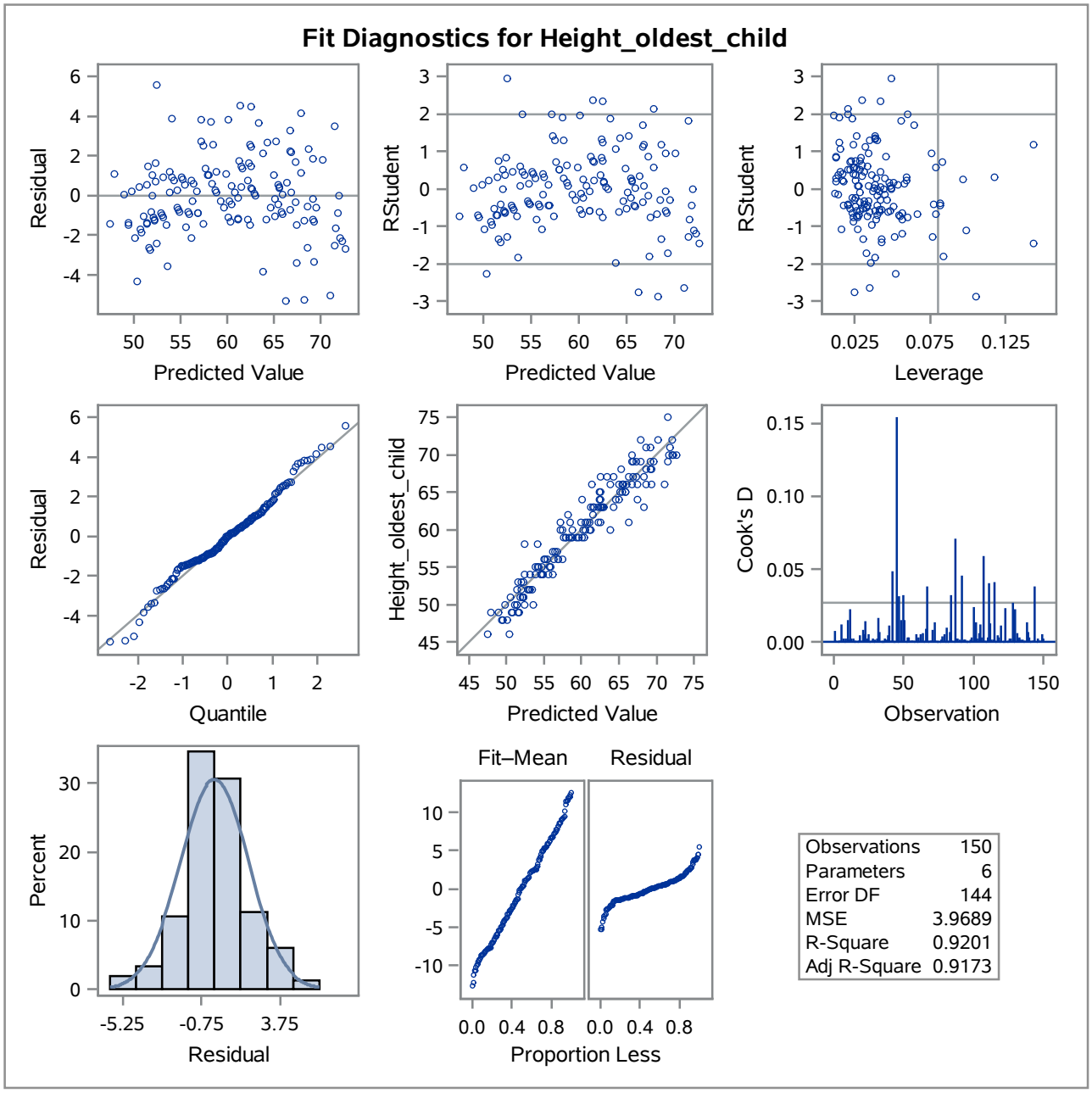
Summary of Stepwise Selection								
Step	**Variable Entered**	**Variable Removed**	**Number Vars In**	**Partial R-Square**	**Model R-Square**	**C(p)**	**F Value**	**Pr > F**
1	Age_oldest_child		1	0.8304	0.8304	159.951	724.61	<.0001
2	Weight_oldest_child		2	0.0614	0.8918	51.1454	83.47	<.0001
3	Height_father		3	0.0170	0.9088	22.5495	27.15	<.0001
4	Height_mother		4	0.0084	0.9172	9.3150	14.79	0.0002
5	Weight_mother		5	0.0028	0.9201	6.1778	5.13	0.0250

The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child

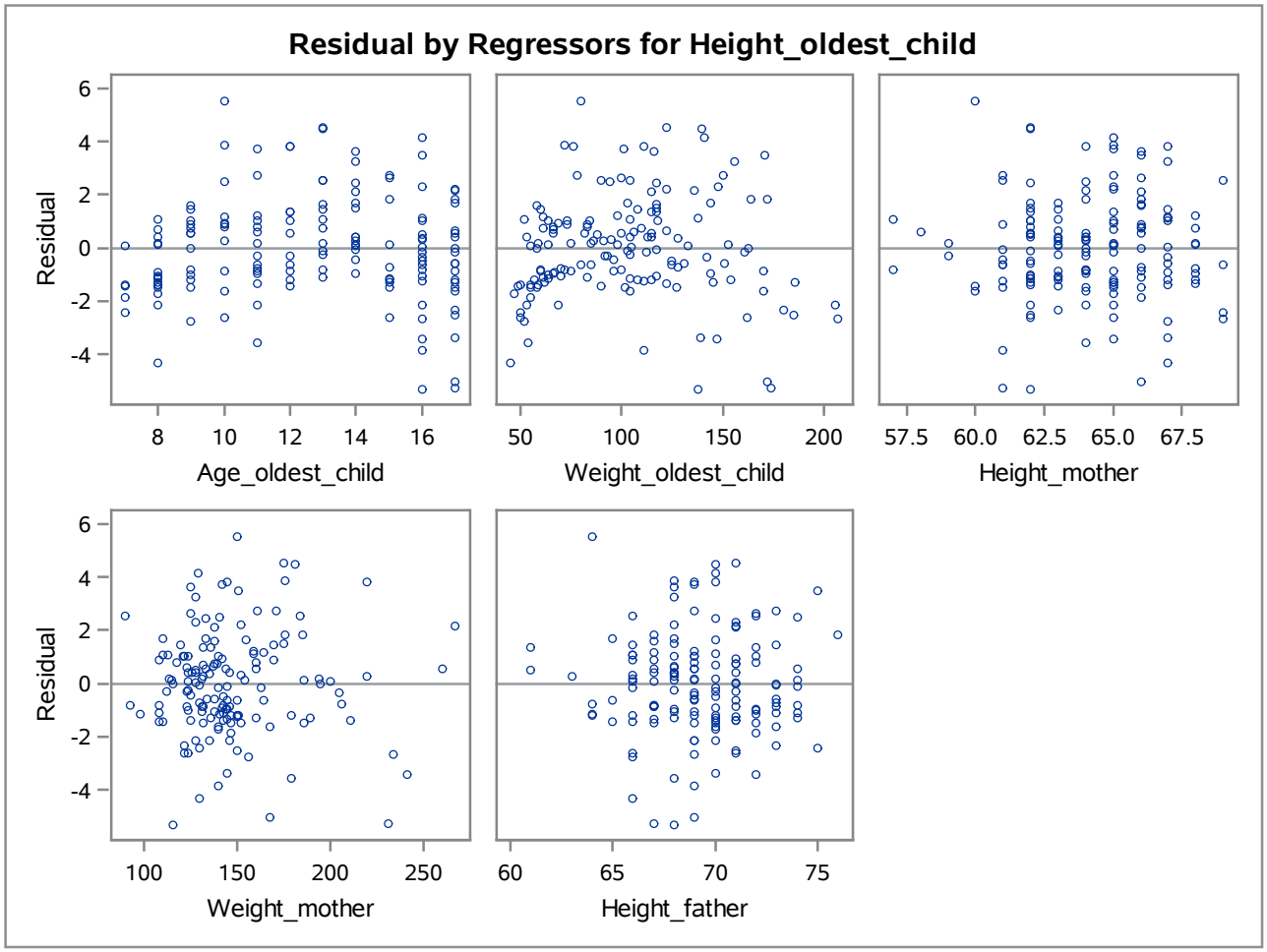
Durbin-Watson D	2.008
Pr < DW	0.5176
Pr > DW	0.4824
Number of Observations	150
1st Order Autocorrelation	-0.007

Note: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child



The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child



The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child

Number of Observations Read	150
Number of Observations Used	150

Analysis of Variance

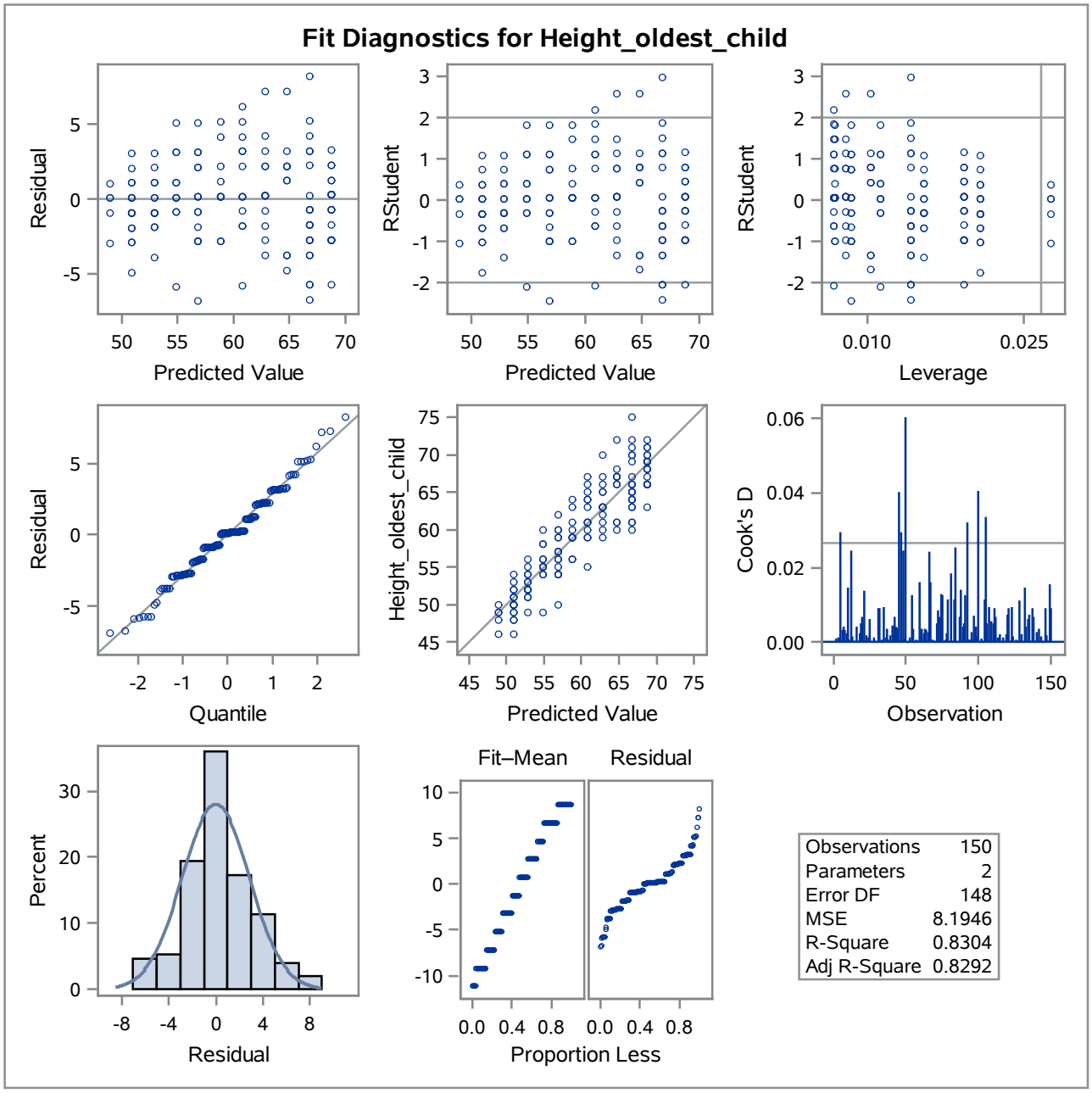
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	5937.89778	5937.89778	724.61	<.0001
Error	148	1212.79555	8.19456		
Corrected Total	149	7150.69333			

Root MSE	2.86261	R-Square	0.8304
Dependent Mean	60.09333	Adj R-Sq	0.8292
Coeff Var	4.76361		

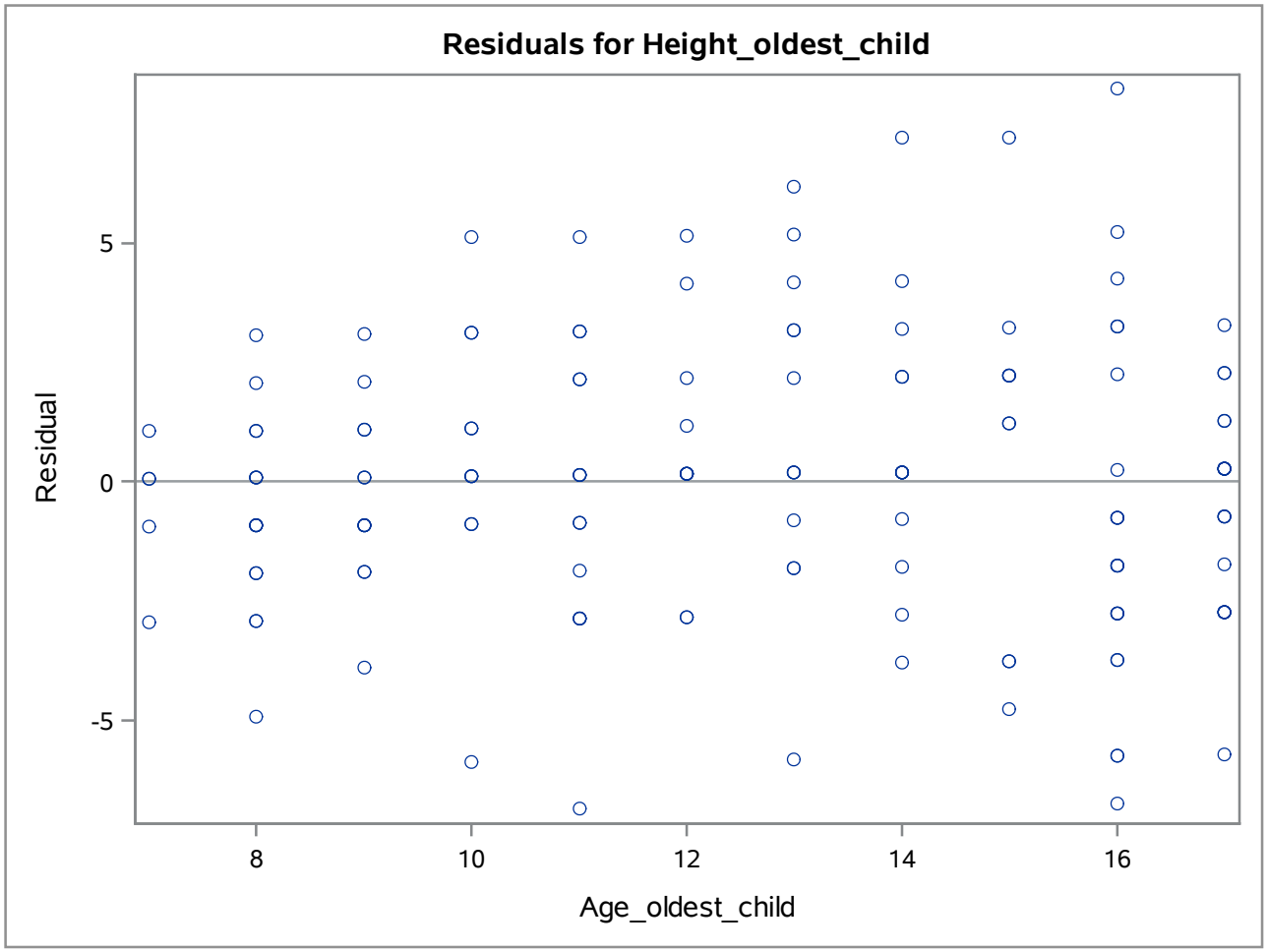
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	35.09763	0.95753	36.65	<.0001
Age_oldest_child	1	1.97855	0.07350	26.92	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child



The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child



The REG Procedure
Model: MODEL1
Dependent Variable: Height_oldest_child