

```

title 'no options';
data one;
    set sashelp.class;
run;

title 'display only';
data one;
    set sashelp.class;
run;

title 'first=2';
data one;

... more data lines ...

title 'first=2 last=2';
data one;

... more data lines ...
    set sashelp.class;
run;

title 'first=2 last=2 fontsize=tiny';
data one;

... more data lines ...
run;

title 'no options';
proc print data=one;
run;

title 'display only';
proc print data=one;
run;

title 'store=mydoc';
proc print data=one;
run;

title 'store=mydoc0 fontsize=tiny';
proc print data=one;
run;

proc print data=one;
run;

title 'no options, line command(display)';
title2 'next title';
proc print data=one;
run;

proc print data=one;
run;

```

Figure 1: missing file, no option

Missing File lst/mymiss.lst

store=mydoc					
Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14.000000	69.000000	112.500000
2	Alice	F	13.000000	56.500000	84.000000
3	Barbara	F	13.000000	65.300000	98.000000
4	Carol	F	14.000000	62.800000	102.500000
5	Henry	M	14.000000	63.500000	102.500000
6	James	M	12.000000	57.300000	83.000000
7	Jane	F	12.000000	59.800000	84.500000
8	Janet	F	15.000000	62.500000	112.500000
9	Jeffrey	M	13.000000	62.500000	84.000000
10	John	M	12.000000	59.000000	99.500000
11	Joyce	F	11.000000	51.300000	50.500000
12	Judy	F	14.000000	64.300000	90.000000
13	Louise	F	12.000000	56.300000	77.000000
14	Mary	F	15.000000	66.500000	112.000000
15	Philip	M	16.000000	72.000000	150.000000
16	Robert	M	12.000000	64.800000	128.000000
17	Ronald	M	15.000000	67.000000	133.000000
18	Thomas	M	11.000000	57.500000	85.000000
19	William	M	15.000000	66.500000	112.000000

store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14.000000	69.000000	112.500000
2	Alice	F	13.000000	56.500000	84.000000
3	Barbara	F	13.000000	65.300000	98.000000
4	Carol	F	14.000000	62.800000	102.500000
5	Henry	M	14.000000	63.500000	102.500000
6	James	M	12.000000	57.300000	83.000000
7	Jane	F	12.000000	59.800000	84.500000
8	Janet	F	15.000000	62.500000	112.500000
9	Jeffrey	M	13.000000	62.500000	84.000000
10	John	M	12.000000	59.000000	99.500000
11	Joyce	F	11.000000	51.300000	50.500000
12	Judy	F	14.000000	64.300000	90.000000
13	Louise	F	12.000000	56.300000	77.000000
14	Mary	F	15.000000	66.500000	112.000000
15	Philip	M	16.000000	72.000000	150.000000
16	Robert	M	12.000000	64.800000	128.000000
17	Ronald	M	15.000000	67.000000	133.000000
18	Thomas	M	11.000000	57.500000	85.000000
19	William	M	15.000000	66.500000	112.000000

Figure 2: fontsize=tiny

store=mydoc					
Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14.000000	69.000000	112.500000
2	Alice	F	13.000000	56.500000	84.000000
3	Barbara	F	13.000000	65.300000	98.000000
4	Carol	F	14.000000	62.800000	102.500000
5	Henry	M	14.000000	63.500000	102.500000
6	James	M	12.000000	57.300000	83.000000
7	Jane	F	12.000000	59.800000	84.500000
8	Janet	F	15.000000	62.500000	112.500000
9	Jeffrey	M	13.000000	62.500000	84.000000
10	John	M	12.000000	59.000000	99.500000
11	Joyce	F	11.000000	51.300000	50.500000
12	Judy	F	14.000000	64.300000	90.000000
13	Louise	F	12.000000	56.300000	77.000000
14	Mary	F	15.000000	66.500000	112.000000
15	Philip	M	16.000000	72.000000	150.000000
16	Robert	M	12.000000	64.800000	128.000000
17	Ronald	M	15.000000	67.000000	133.000000
18	Thomas	M	11.000000	57.500000	85.000000
19	William	M	15.000000	66.500000	112.000000

Figure 3: linesize=96

store=mydoc					
Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14.000000	69.000000	112.500000
2	Alice	F	13.000000	56.500000	84.000000
3	Barbara	F	13.000000	65.300000	98.000000
4	Carol	F	14.000000	62.800000	102.500000
5	Henry	M	14.000000	63.500000	102.500000
6	James	M	12.000000	57.300000	83.000000
7	Jane	F	12.000000	59.800000	84.500000
8	Janet	F	15.000000	62.500000	112.500000
9	Jeffrey	M	13.000000	62.500000	84.000000
10	John	M	12.000000	59.000000	99.500000
11	Joyce	F	11.000000	51.300000	50.500000
12	Judy	F	14.000000	64.300000	90.000000
13	Louise	F	12.000000	56.300000	77.000000
14	Mary	F	15.000000	66.500000	112.000000
15	Philip	M	16.000000	72.000000	150.000000
16	Robert	M	12.000000	64.800000	128.000000
17	Ronald	M	15.000000	67.000000	133.000000
18	Thomas	M	11.000000	57.500000	85.000000
19	William	M	15.000000	66.500000	112.000000

Figure 4: *continued*

Figure 4: Back to vanilla listing

store=mydoc					
Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14.000000	69.000000	112.500000
2	Alice	F	13.000000	56.500000	84.000000
3	Barbara	F	13.000000	65.300000	98.000000
4	Carol	F	14.000000	62.800000	102.500000
5	Henry	M	14.000000	63.500000	102.500000
6	James	M	12.000000	57.300000	83.000000
7	Jane	F	12.000000	59.800000	84.500000
8	Janet	F	15.000000	62.500000	112.500000
9	Jeffrey	M	13.000000	62.500000	84.000000
10	John	M	12.000000	59.000000	99.500000
11	Joyce	F	11.000000	51.300000	50.500000
12	Judy	F	14.000000	64.300000	90.000000
13	Louise	F	12.000000	56.300000	77.000000
14	Mary	F	15.000000	66.500000	112.000000
15	Philip	M	16.000000	72.000000	150.000000
16	Robert	M	12.000000	64.800000	128.000000
17	Ronald	M	15.000000	67.000000	133.000000
18	Thomas	M	11.000000	57.500000	85.000000
19	William	M	15.000000	66.500000	112.000000

```

title;
proc reg data=one;
model weight=age;
run;

```

Figure 5: vanilla latex dest table

The REG Procedure

Model: MODEL1

Dependent Variable: Weight

Number of Observations Read	19
Number of Observations Used	19

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	5124.49111	5124.49111	20.69	0.0003
Error	17	4211.24573	247.72034		
Corrected Total	18	9335.73684			

Figure 5: *continued*

Root MSE	15.73913	R-Square	0.5489
Dependent Mean	100.02632	Adj R-Sq	0.5224
Coeff Var	15.73499		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-50.49278	33.29023	-1.52	0.1477
Age	1	11.30381	2.48531	4.55	0.0003

Figure 6: Shifted -1in, vanilla latex dest table

The REG Procedure**Model: MODEL1****Dependent Variable: Weight**

Number of Observations Read	19
Number of Observations Used	19

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	5124.49111	5124.49111	20.69	0.0003
Error	17	4211.24573	247.72034		
Corrected Total	18	9335.73684			

Root MSE	15.73913	R-Square	0.5489
Dependent Mean	100.02632	Adj R-Sq	0.5224
Coeff Var	15.73499		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-50.49278	33.29023	-1.52	0.1477
Age	1	11.30381	2.48531	4.55	0.0003

Figure 7: vanilla latex dest graphic

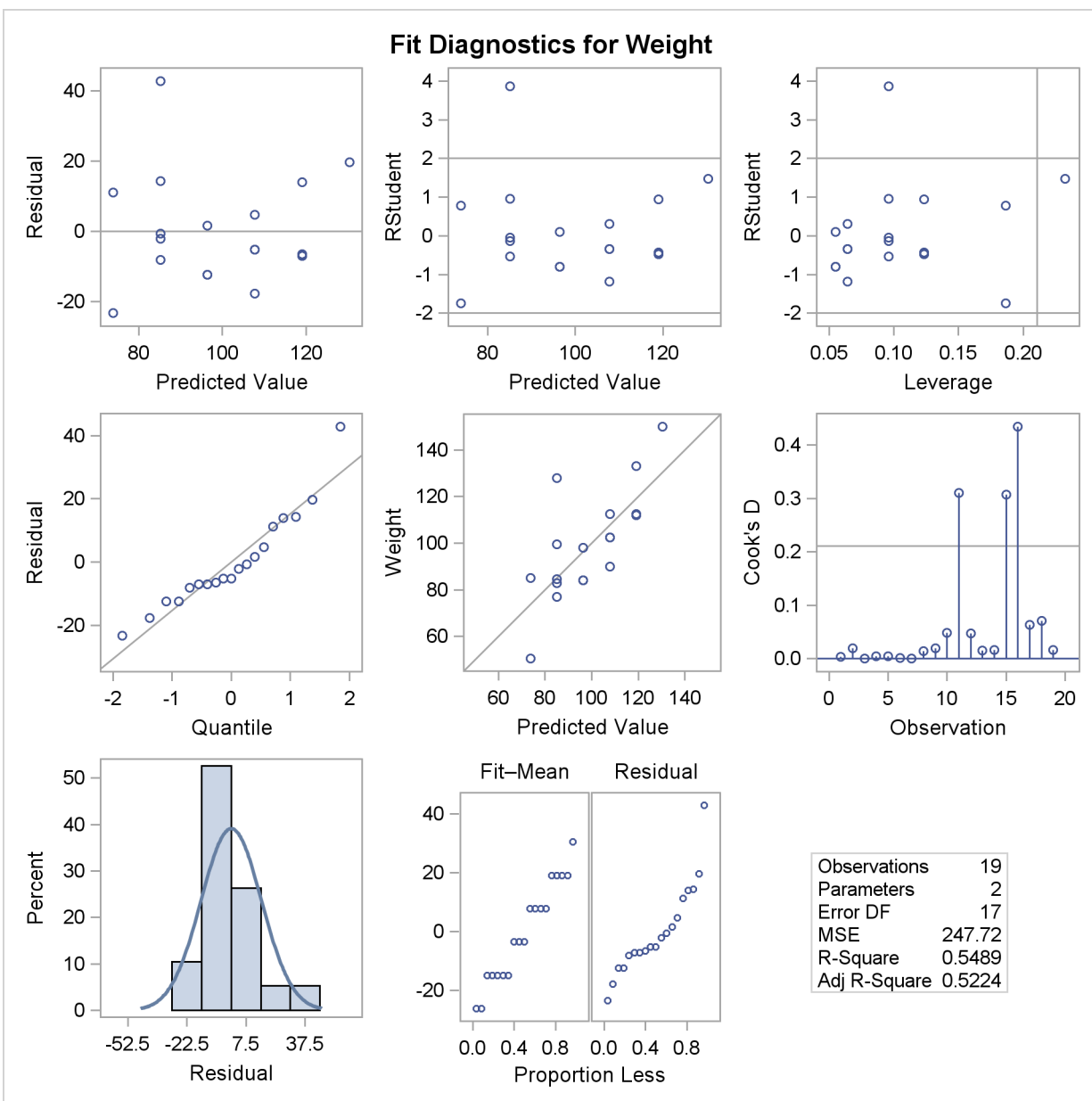


Figure 7: *continued*

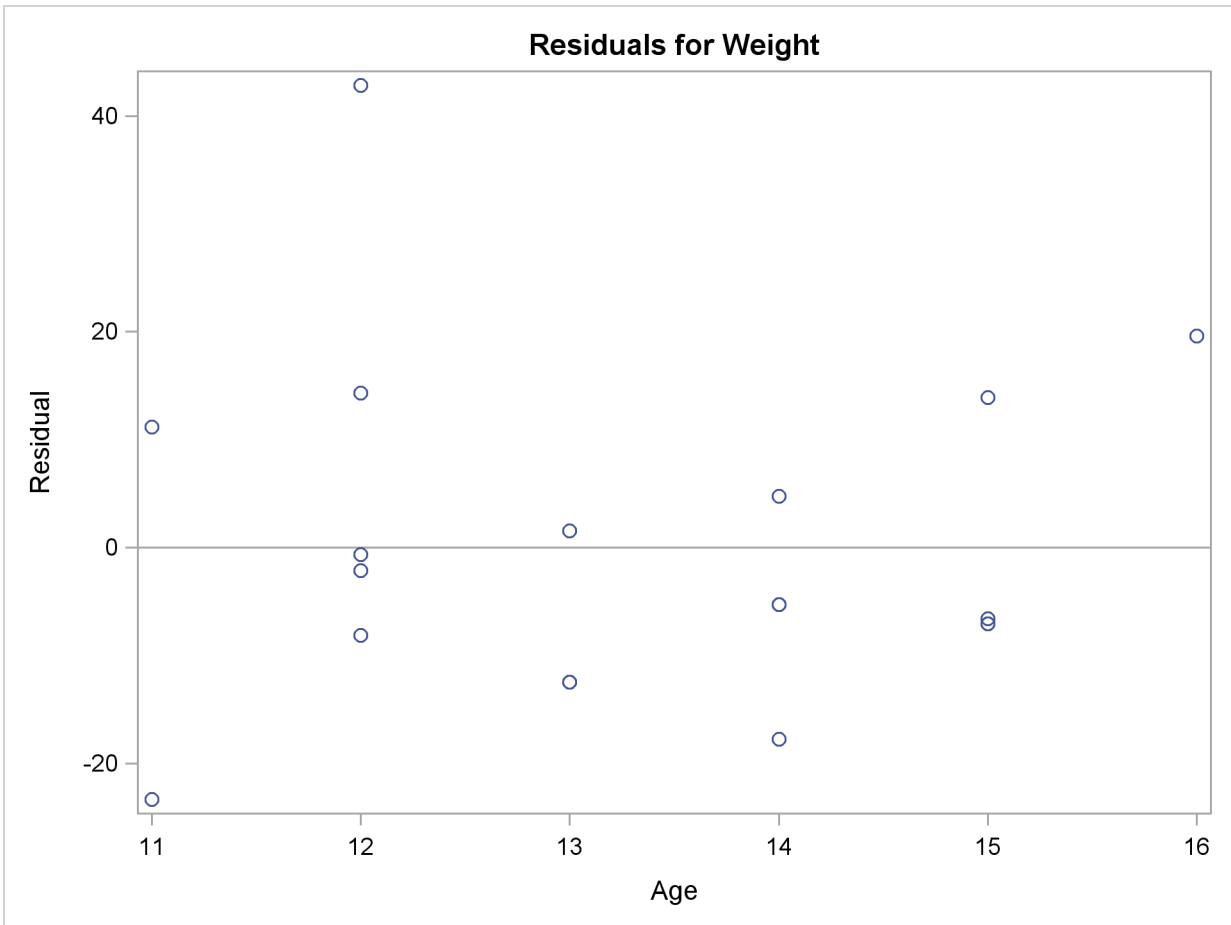


Figure 7: *continued*

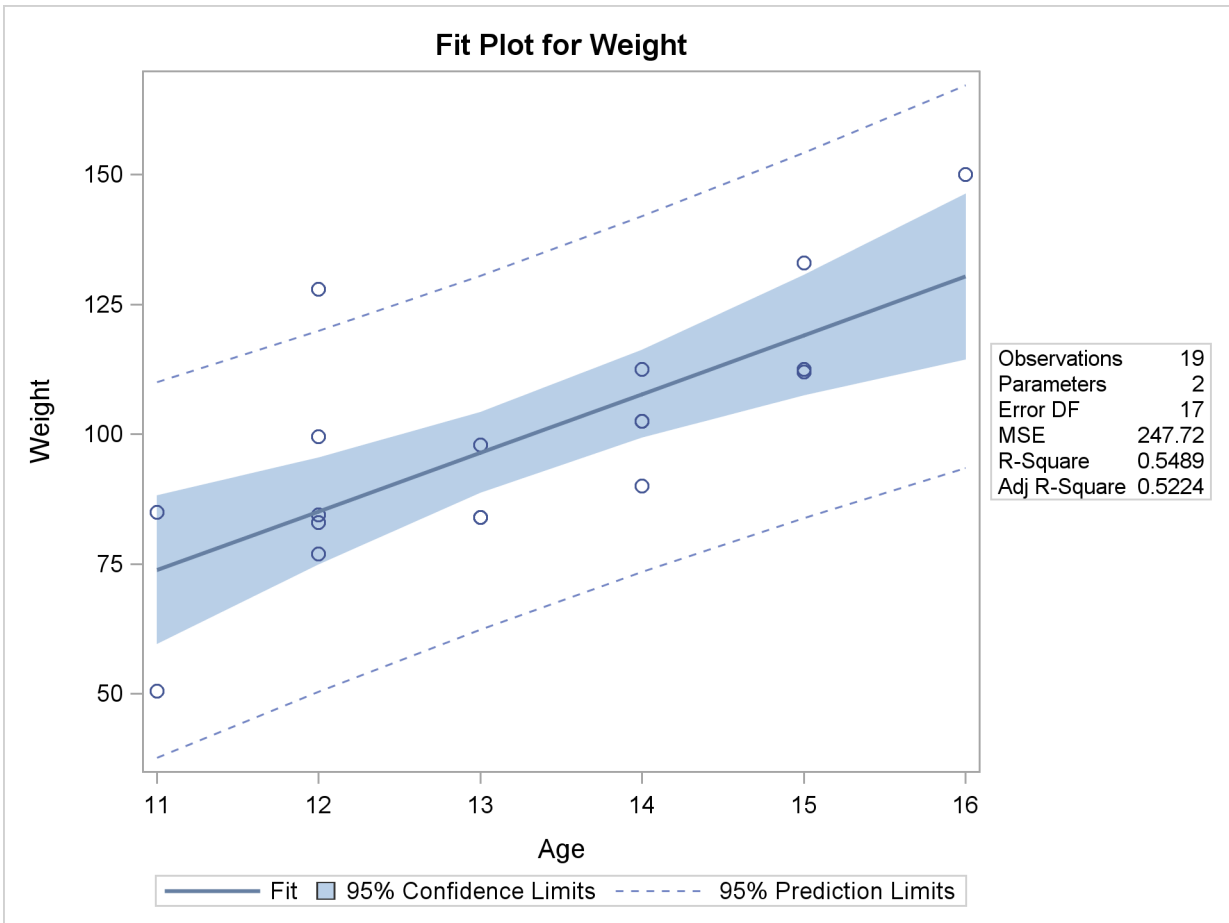


Figure 8: vanilla graphic

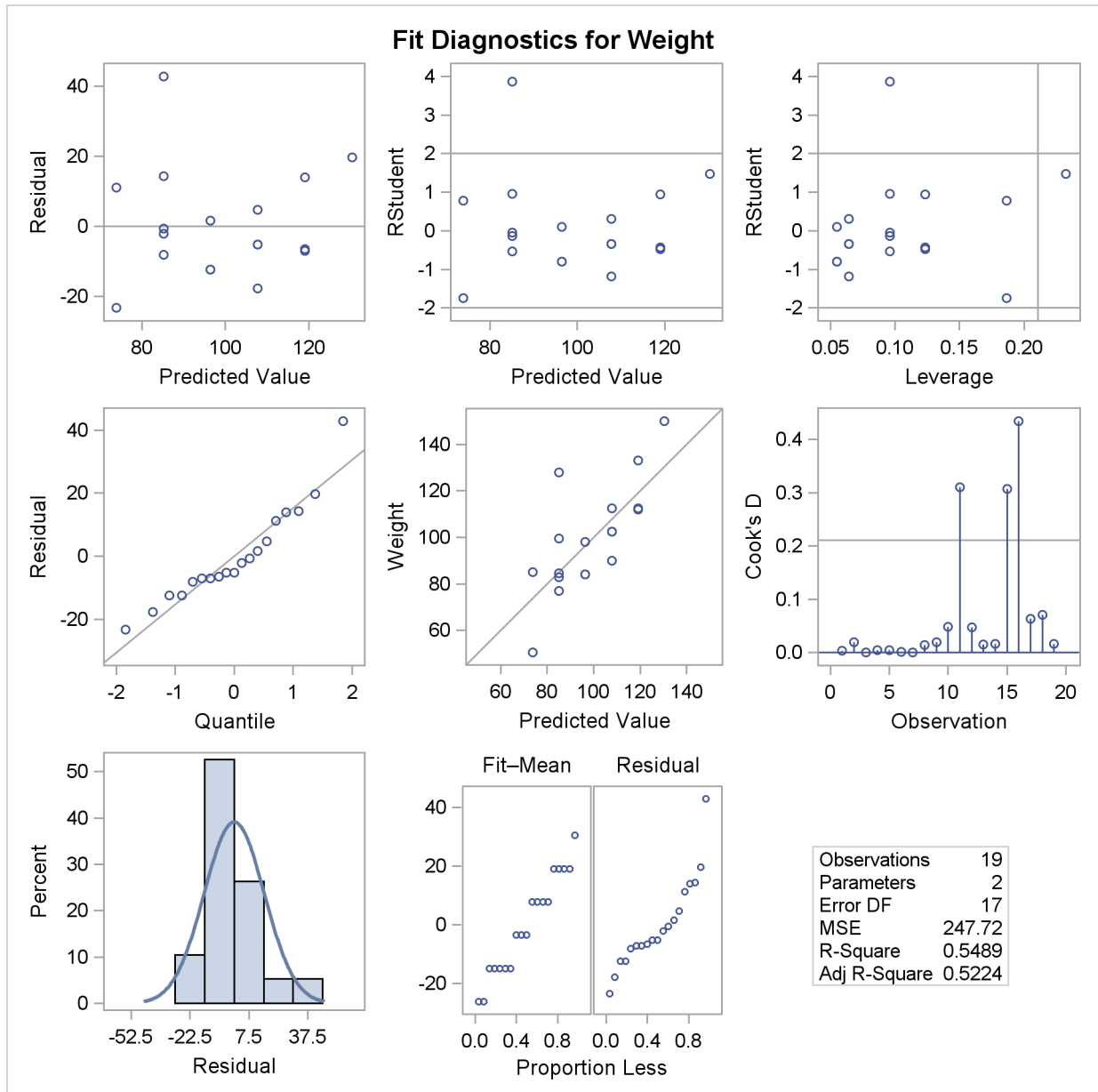


Figure 8: *continued*

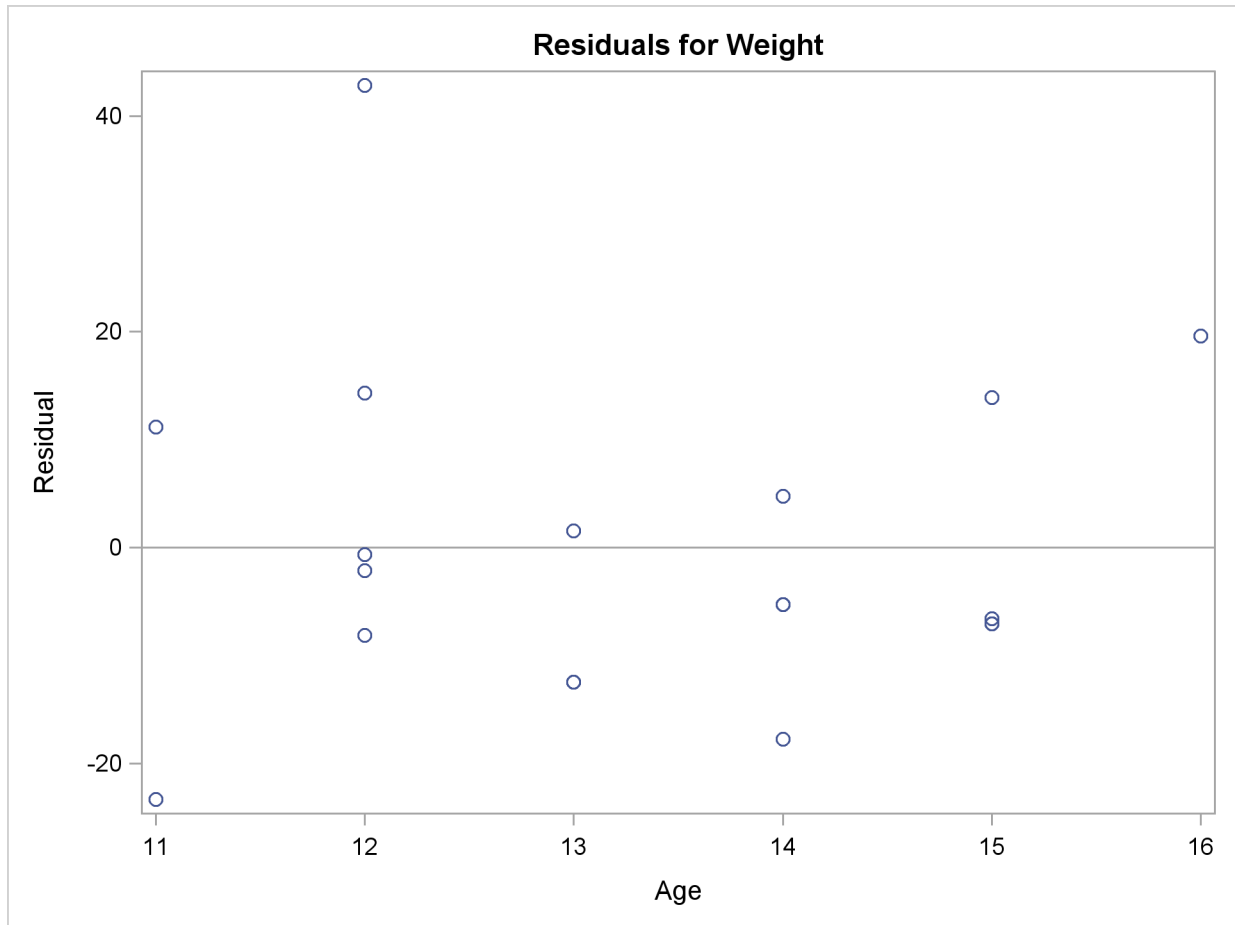


Figure 8: *continued*

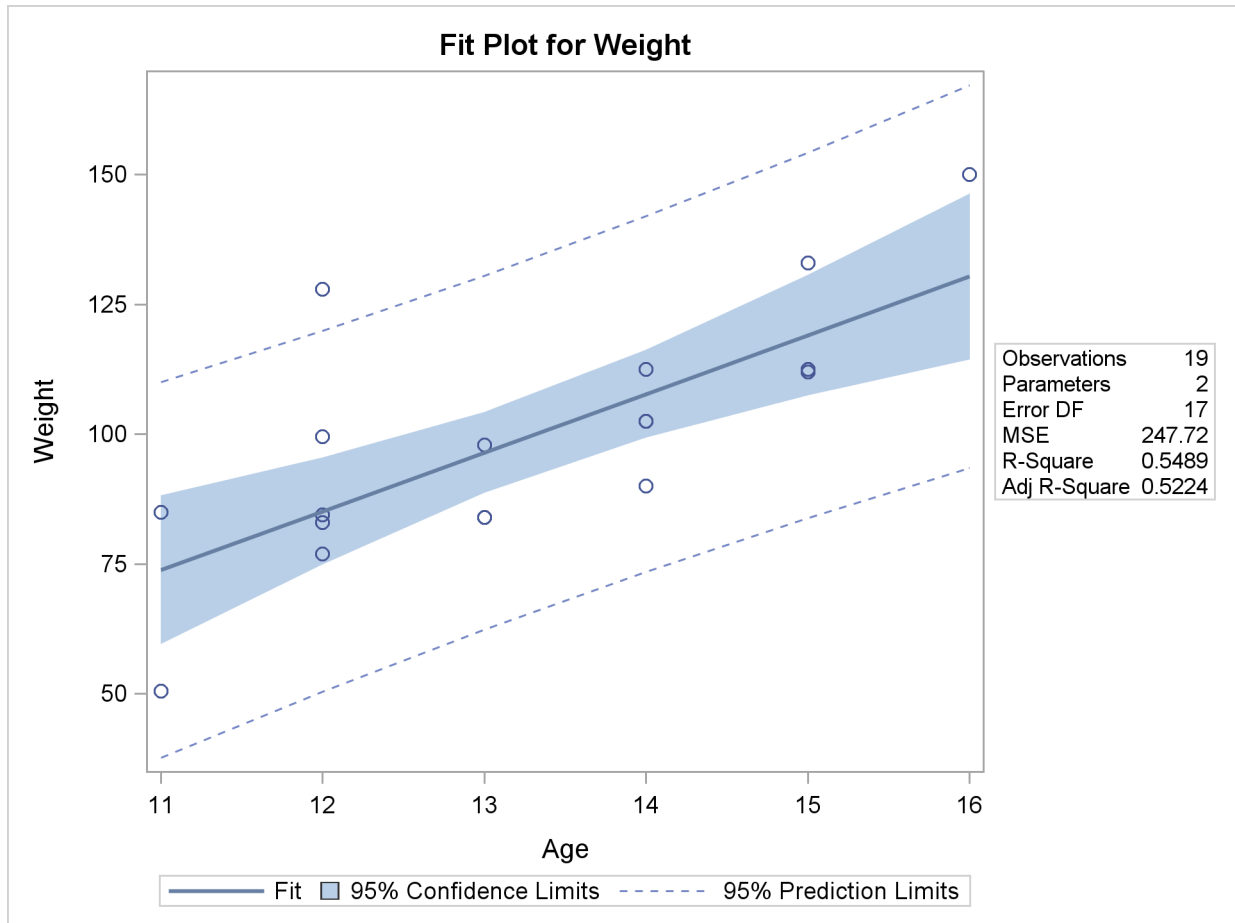


Figure 9: style=journal, scale=0.4

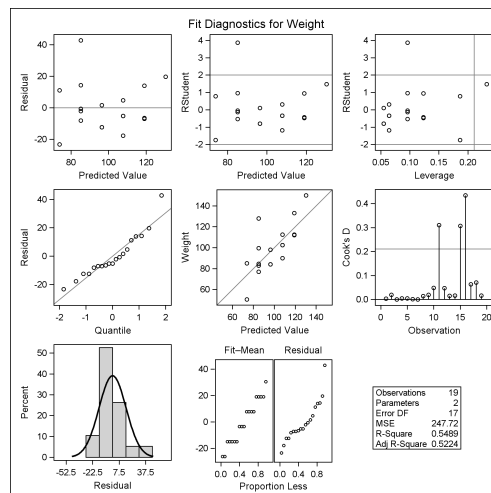


Figure 9: *continued*

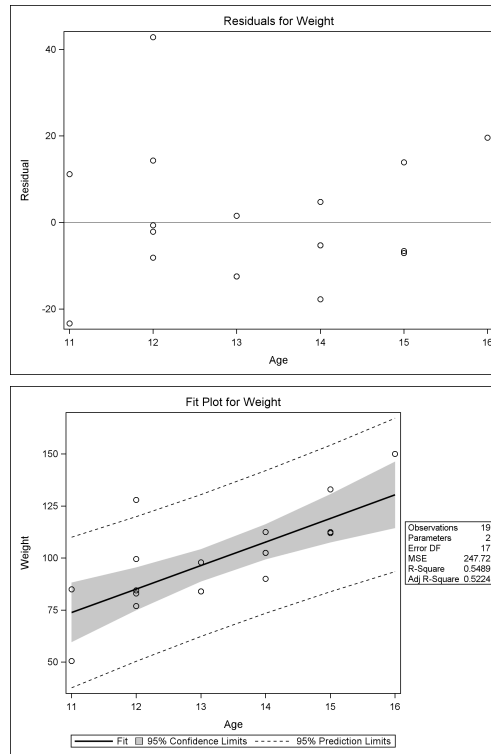


Figure 10: width=2in

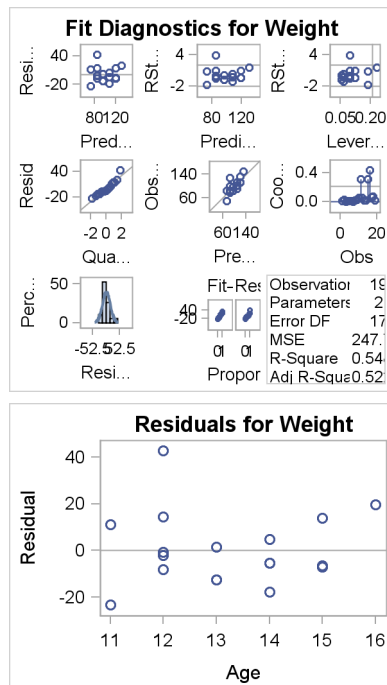


Figure 10: *continued*

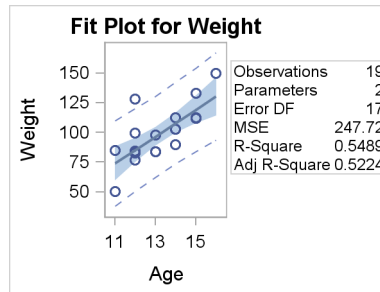


Figure 11: dpi=100

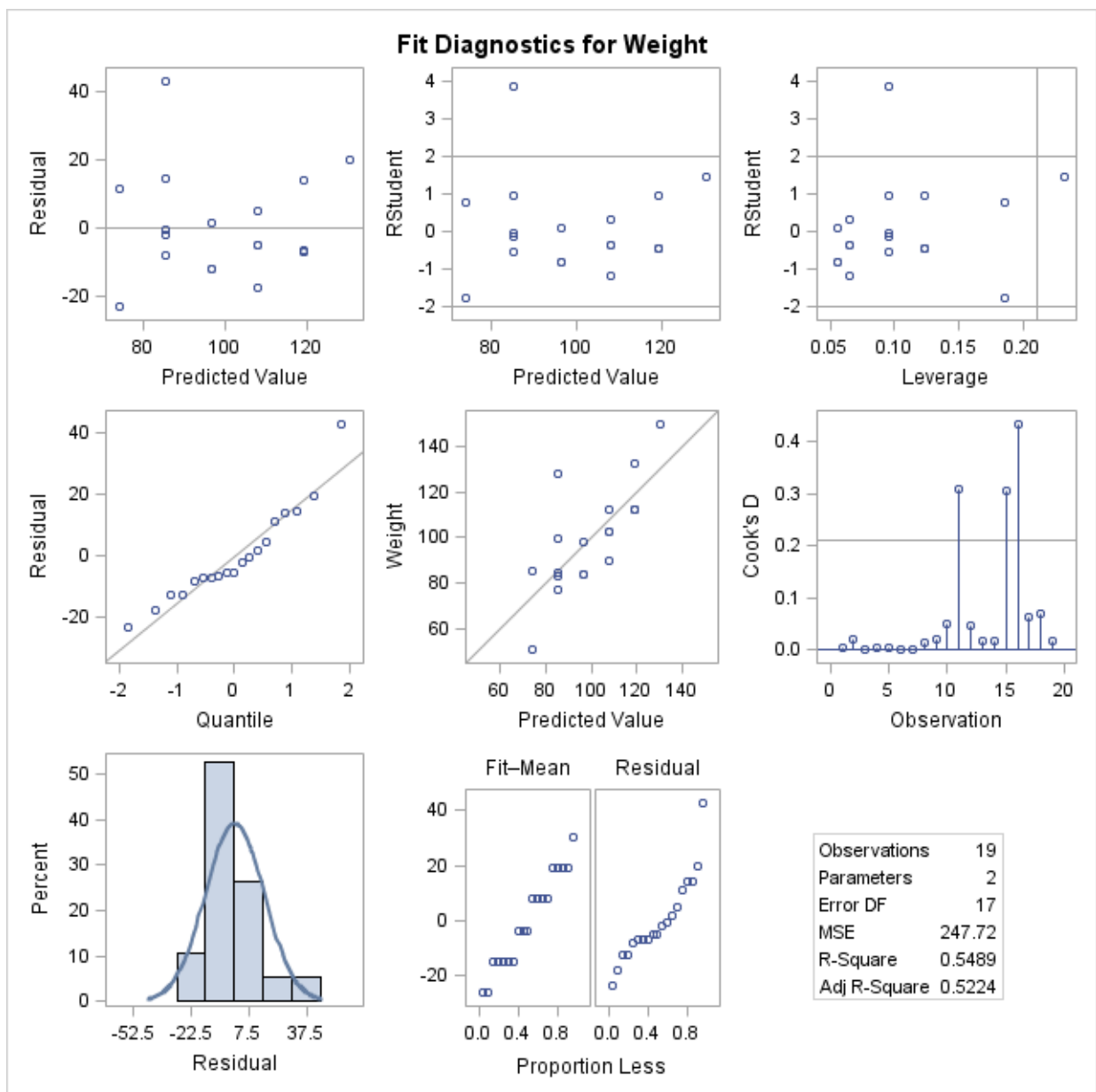


Figure 11: *continued*

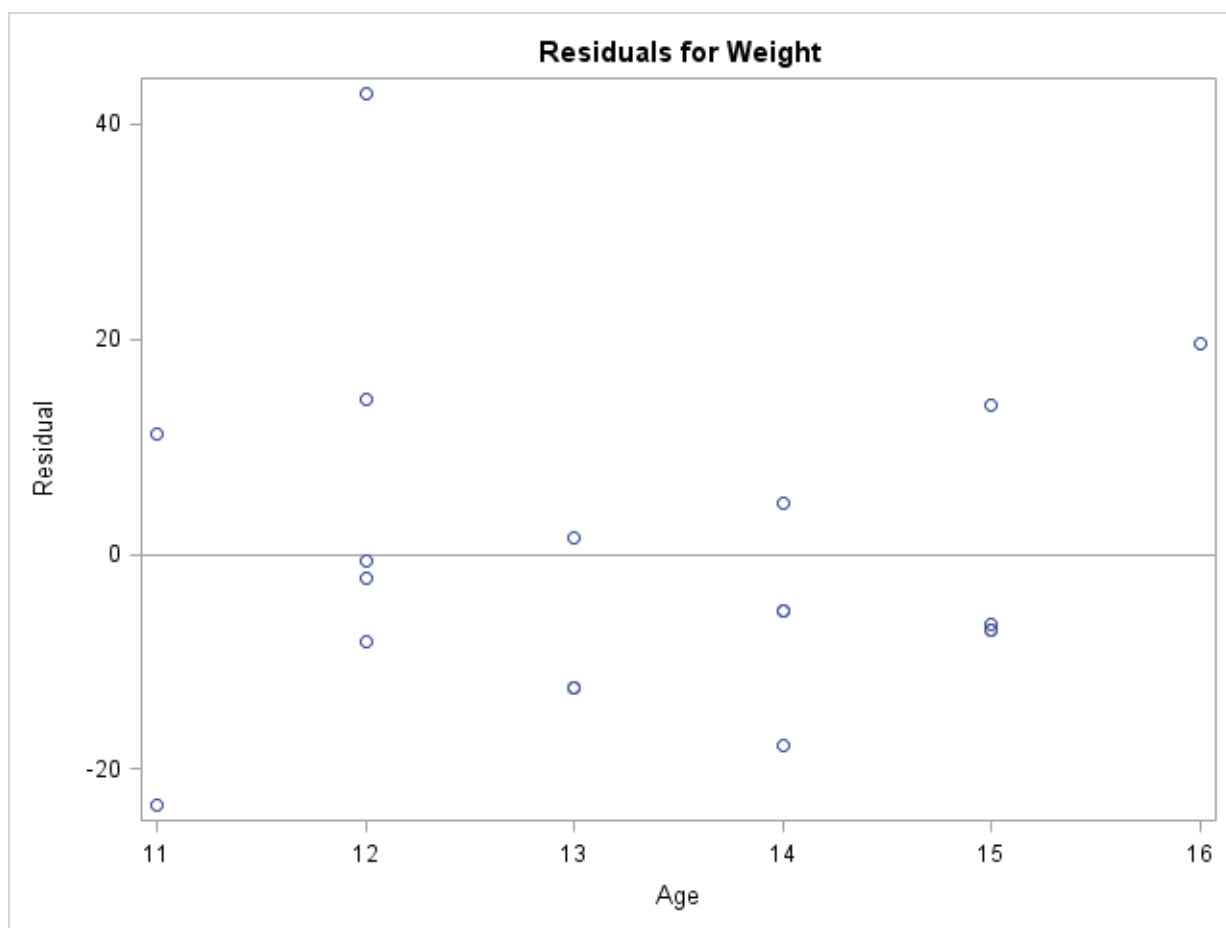


Figure 11: *continued*

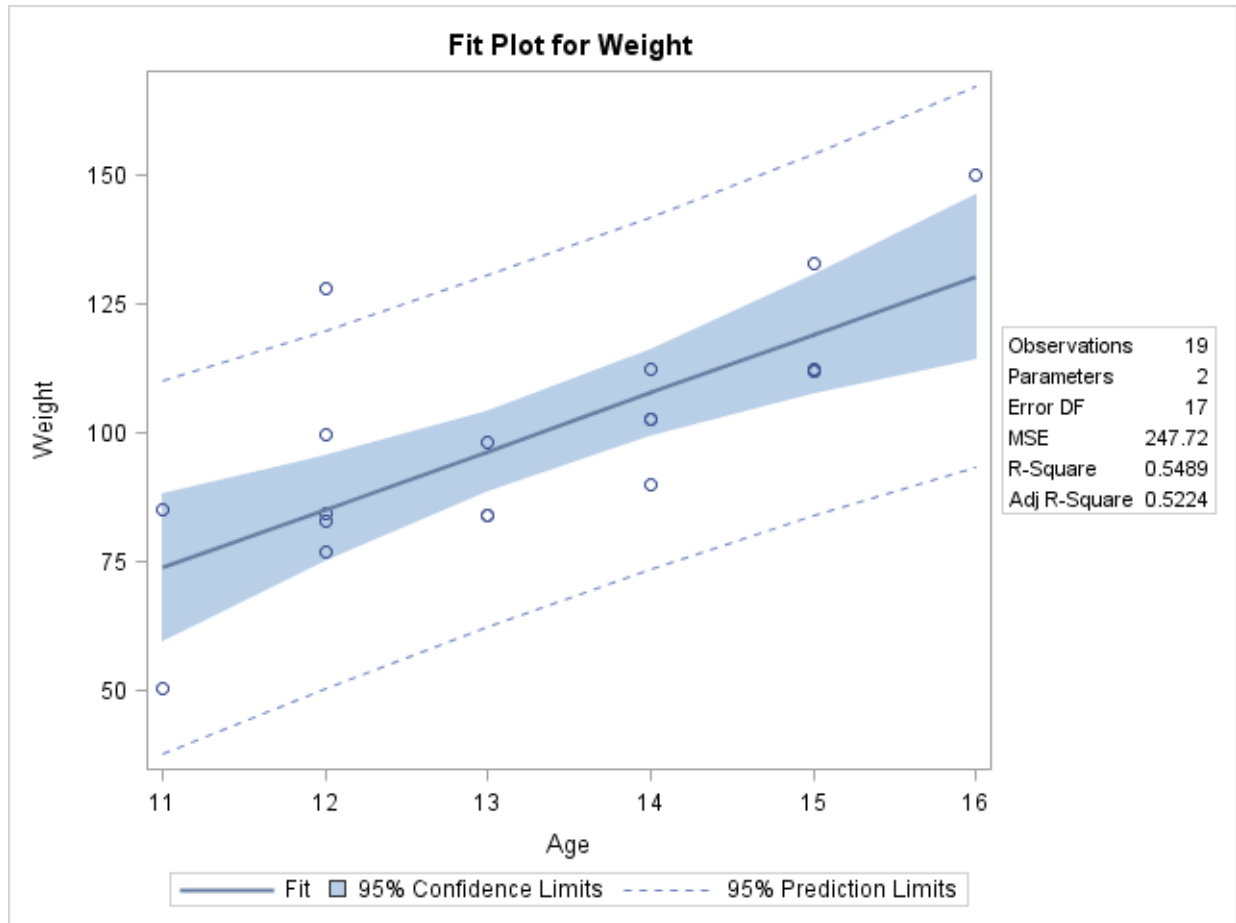


Figure 12: height=2in

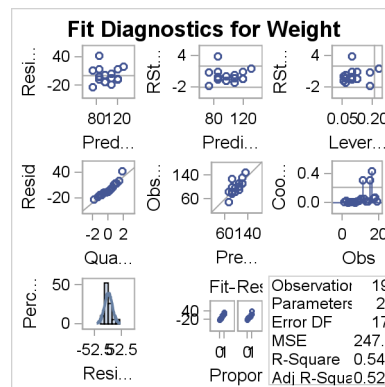


Figure 12: *continued*

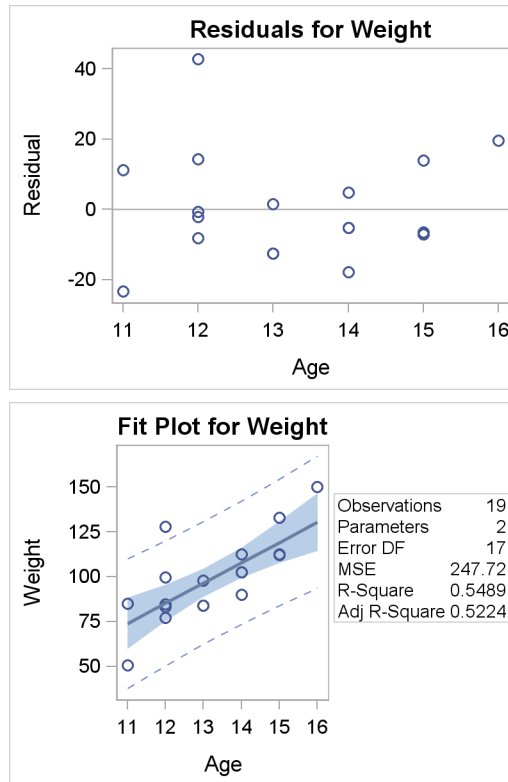


Figure 13: style=brick

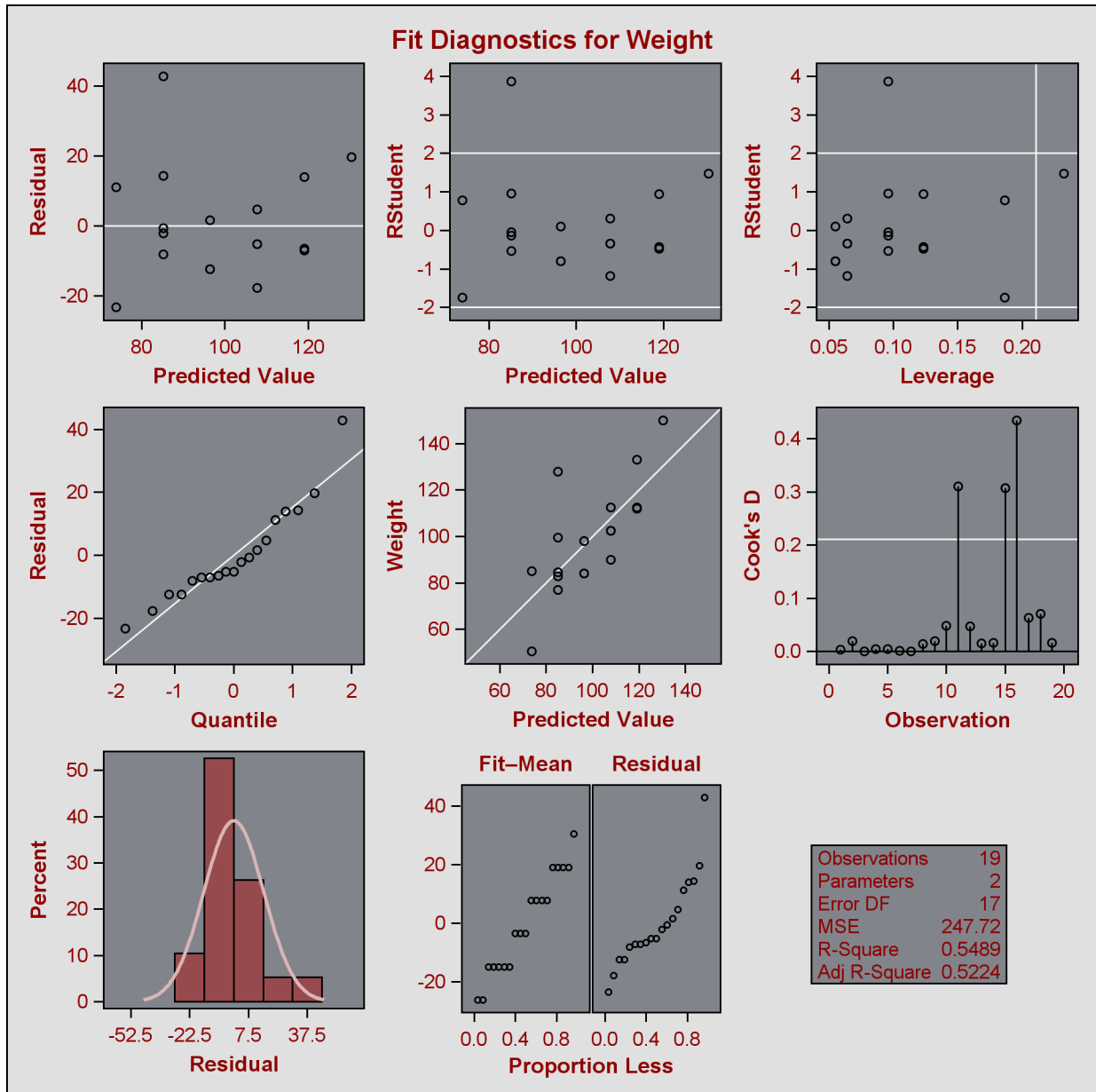


Figure 13: *continued*



Figure 13: *continued*

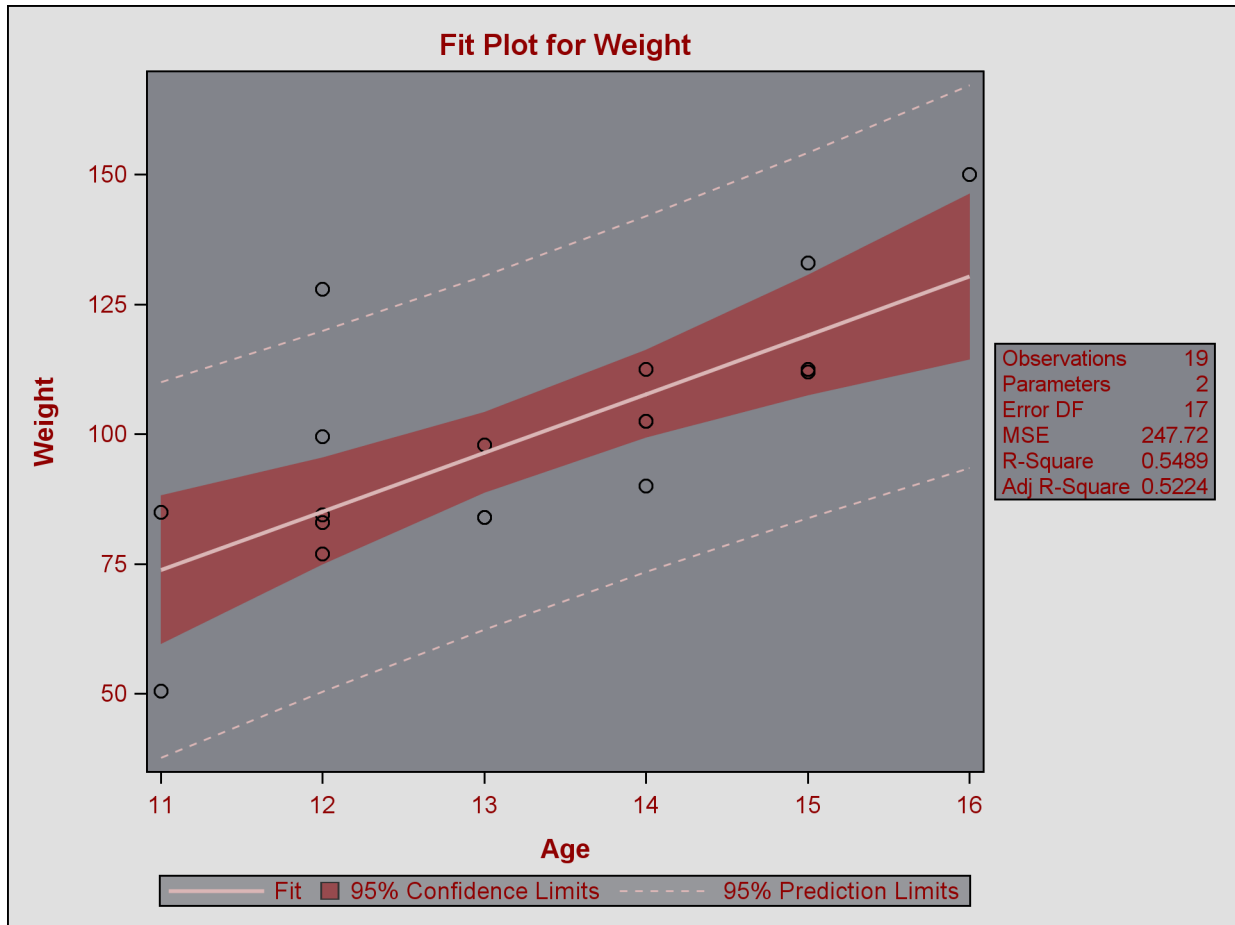


Figure 14: Back to vanilla graphic

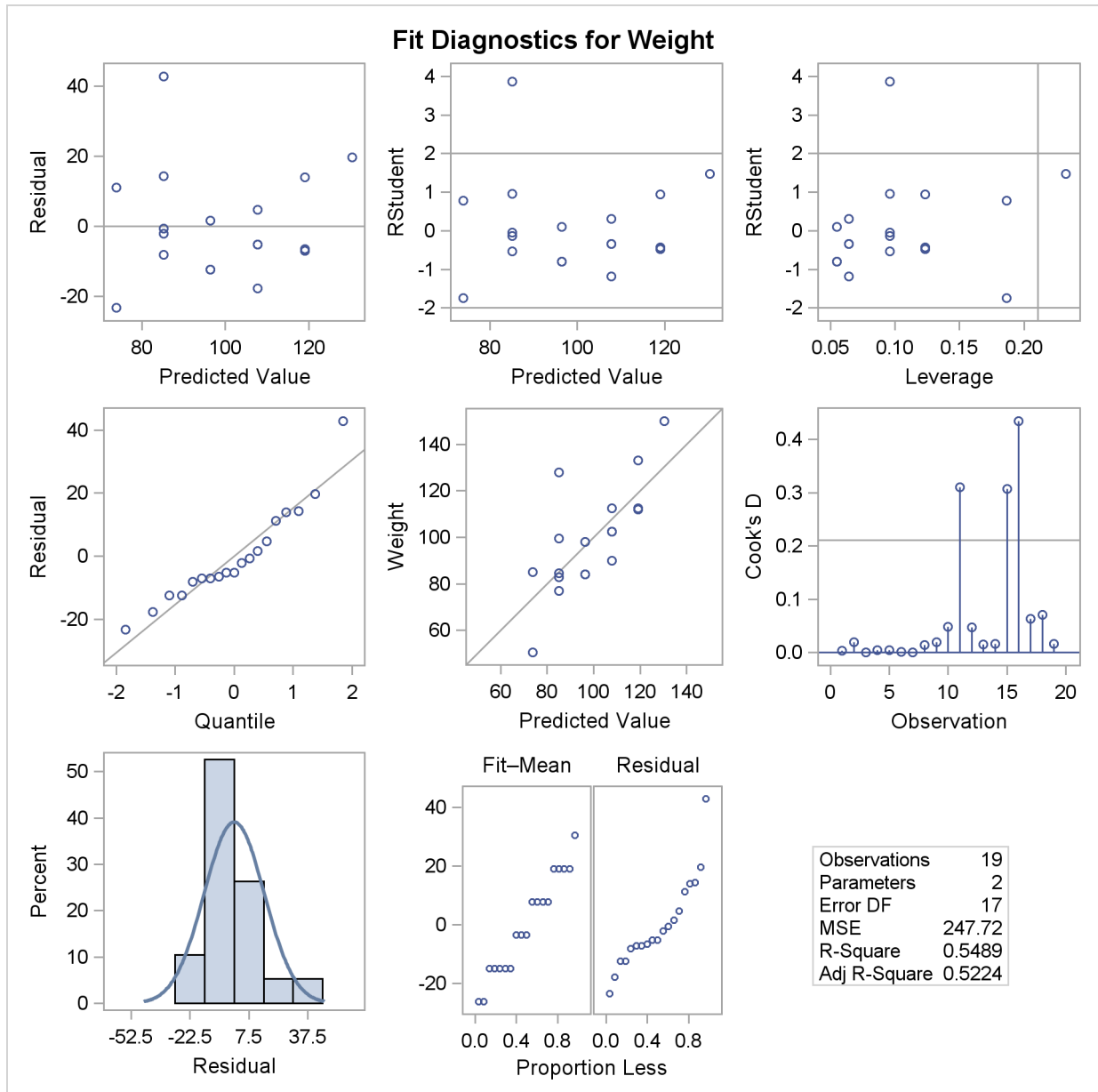


Figure 14: *continued*

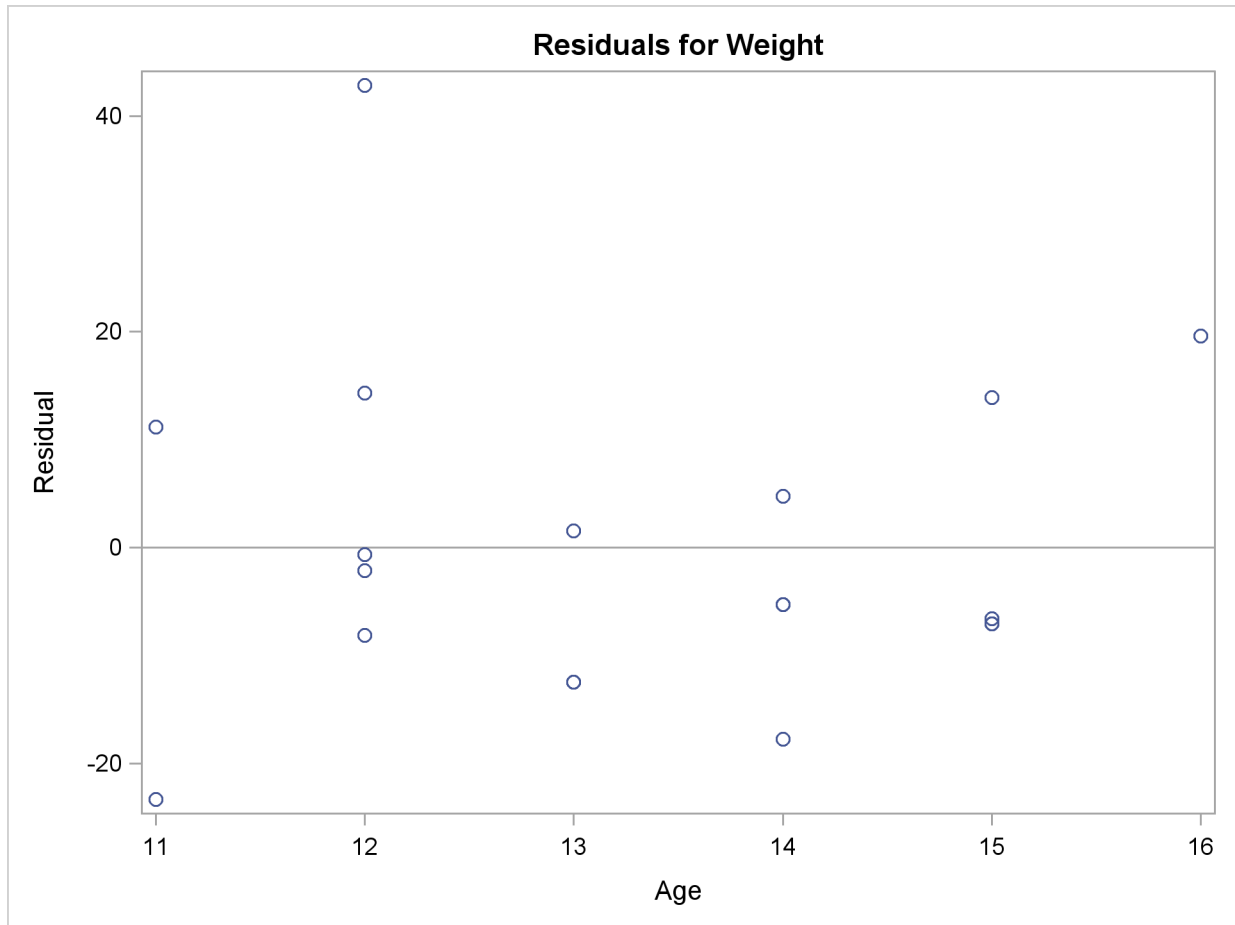
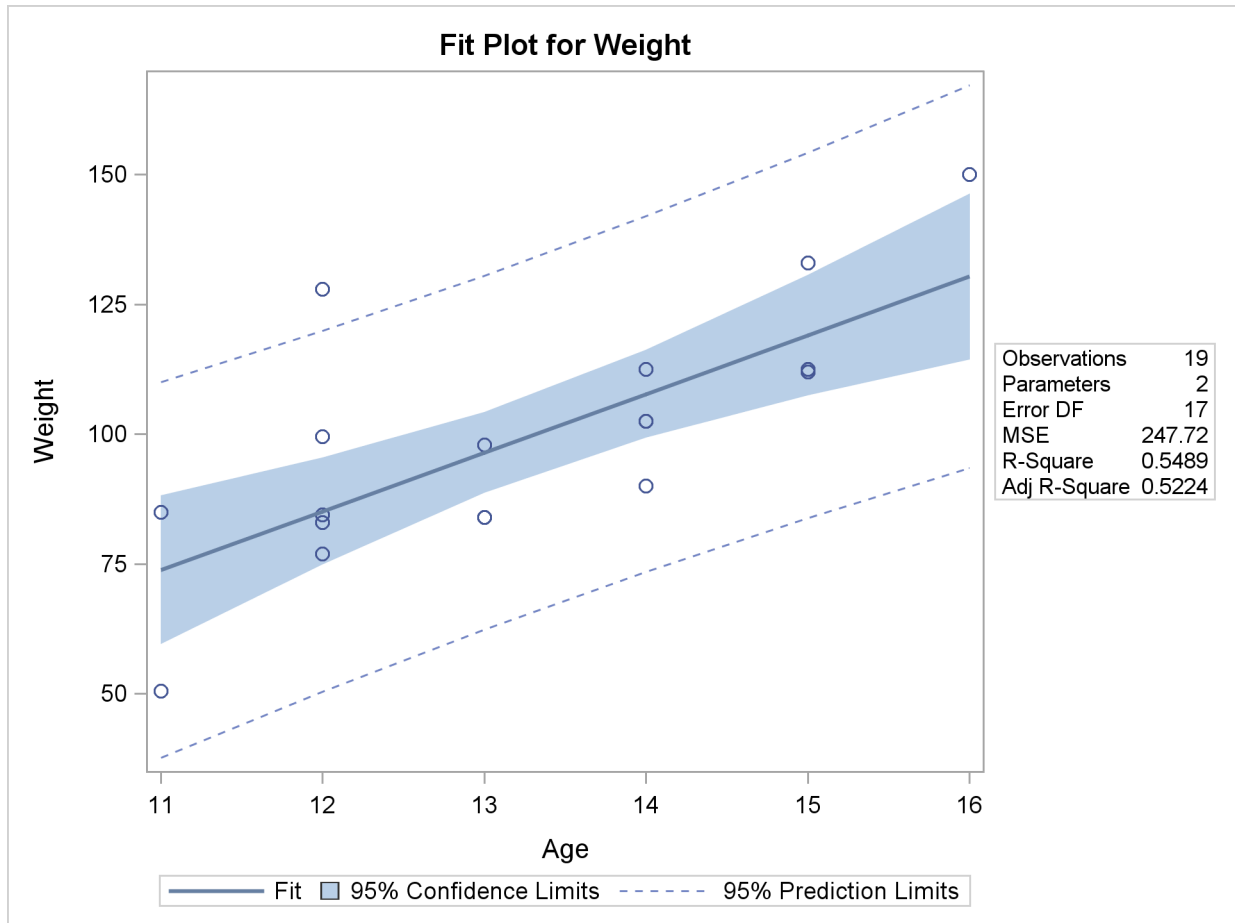


Figure 14: *continued*



```

data Wine;
    input WineType $ VisitLength @@;
    datalines;
white  80 white  98 white 115 white  89 white 103
white  91 white 119 white  31 white 109 white  95

... more data lines ...

red   104 red    91 red   132 red    78 red   107
red   101 red    92

;

ods graphics on;
proc anova data=Wine;
    class WineType;
    model VisitLength = WineType;
run;
ods graphics off;
    
```

Figure 15: Analysis of Variance for Visit Length

The ANOVA Procedure		
Class Level Information		
Class	Levels	Values
WineType	2	red white
Number of Observations Read		42
Number of Observations Used		42

The ANOVA Procedure

Dependent Variable: VisitLength

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	225.40896	225.40896	0.47	0.4989
Error	40	19363.16247	484.07906		
Corrected Total	41	19588.57143			

Figure 16: Analysis of Variance for Visit Length

The ANOVA Procedure					
Class Level Information					
Class	Levels	Values			
WineType	2	red white			
Number of Observations Read				42	
Number of Observations Used				42	
The ANOVA Procedure					
Dependent Variable: VisitLength					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	225.40896	225.40896	0.47	0.4989
Error	40	19363.16247	484.07906		
Corrected Total	41	19588.57143			

```
proc format;
  value $sex 'F' = 'Female' 'M' = 'Male';
data one;
```



```

set sashelp.class;
format sex $sex.;
run;

proc reg;
    model weight = height age;
run;

```

Figure 17: Regression Analysis

The REG Procedure					
Model: MODEL1					
Dependent Variable: Weight					
Number of Observations Read		19			
Number of Observations Used		19			
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	7215.63710	3607.81855	27.23	<.0001
Error	16	2120.09974	132.50623		
Corrected Total	18	9335.73684			
Root MSE		11.51114	R-Square	0.7729	
Dependent Mean		100.02632	Adj R-Sq	0.7445	
Coeff Var		11.50811			
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-141.22376	33.38309	-4.23	0.0006
Height	1	3.59703	0.90546	3.97	0.0011
Age	1	1.27839	3.11010	0.41	0.6865

Figure 18: Regression Analysis

The REG Procedure	
Model: MODEL1	
Dependent Variable: Weight	
Number of Observations Read	19
Number of Observations Used	19

Figure 18: *continued*

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	7215.63710	3607.81855	27.23	<.0001
Error	16	2120.09974	132.50623		
Corrected Total	18	9335.73684			

Root MSE	11.51114	R-Square	0.7729
Dependent Mean	100.02632	Adj R-Sq	0.7445
Coeff Var	11.50811		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-141.22376	33.38309	-4.23	0.0006
Height	1	3.59703	0.90546	3.97	0.0011
Age	1	1.27839	3.11010	0.41	0.6865

Figure 19: Graphs for Regression Analysis

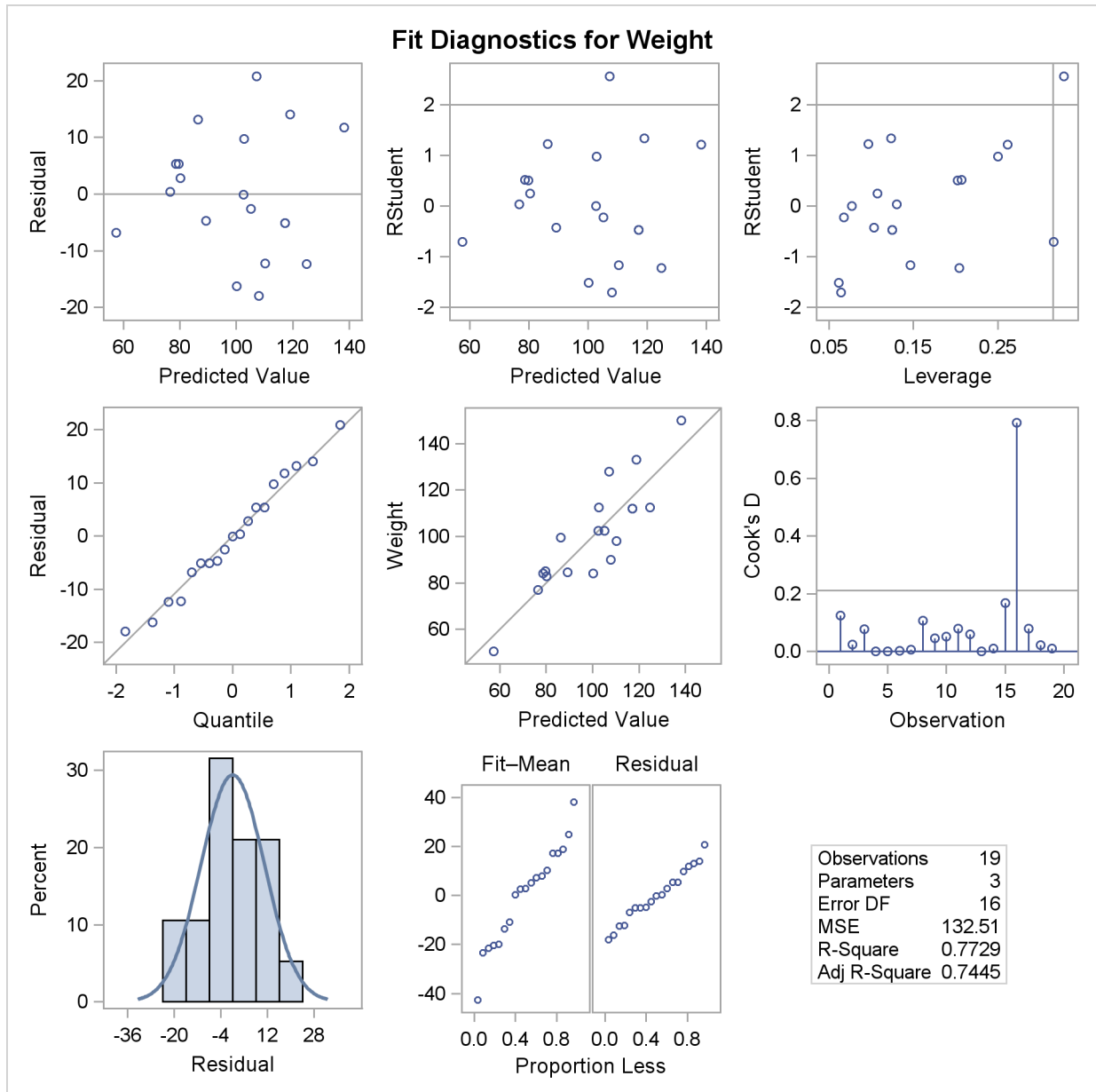


Figure 19: *continued*

