```
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

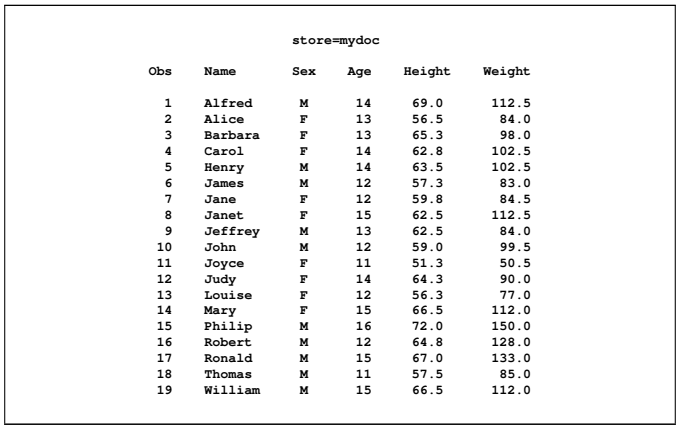
store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.3	83.0
7	Jane	F	12	59.8	84.5
8	Janet	F	15	62.5	112.5
9	Jeffrey	M	13	62.5	84.0
10	John	M	12	59.0	99.5
11	Joyce	F	11	51.3	50.5
12	Judy	F	14	64.3	90.0
13	Louise	F	12	56.3	77.0
14	Mary	F	15	66.5	112.0
15	Philip	M	16	72.0	150.0
16	Robert	M	12	64.8	128.0
17	Ronald	M	15	67.0	133.0
18	Thomas	M	11	57.5	85.0
19	William	M	15	66.5	112.0

store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.3	83.0
7	Jane	F	12	59.8	84.5
8	Janet	F	15	62.5	112.5
9	Jeffrey	M	13	62.5	84.0
10	John	M	12	59.0	99.5
11	Joyce	F	11	51.3	50.5
12	Judy	F	14	64.3	90.0
13	Louise	F	12	56.3	77.0
14	Mary	F	15	66.5	112.0
15	Philip	M	16	72.0	150.0
16	Robert	M	12	64.8	128.0
17	Ronald	M	15	67.0	133.0
18	Thomas	M	11	57.5	85.0
19	William	M	15	66.5	112.0

Figure 2: fontsize=tiny



store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.3	83.0
7	Jane	F	12	59.8	84.5
8	Janet	F	15	62.5	112.5
9	Jeffrey	M	13	62.5	84.0
10	John	M	12	59.0	99.5
11	Joyce	F	11	51.3	50.5
12	Judy	F	14	64.3	90.0
13	Louise	F	12	56.3	77.0
14	Mary	F	15	66.5	112.0
15	Philip	M	16	72.0	150.0
16	Robert	M	12	64.8	128.0
17	Ronald	M	15	67.0	133.0
18	Thomas	M	11	57.5	85.0
19	William	M	15	66.5	112.0

Figure 3: linesize=96

store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.3	83.0
7	Jane	F	12	59.8	84.5
8	Janet	F	15	62.5	112.5
9	Jeffrey	M	13	62.5	84.0
10	John	M	12	59.0	99.5
11	Joyce	F	11	51.3	50.5
12	Judy	F	14	64.3	90.0
13	Louise	F	12	56.3	77.0
14	Mary	F	15	66.5	112.0
15	Philip	M	16	72.0	150.0
16	Robert	M	12	64.8	128.0
17	Ronald	M	15	67.0	133.0
18	Thomas	M	11	57.5	85.0
19	William	M	15	66.5	112.0

Figure 4: *continued*

Figure 4: Back to vanilla listing

store=mydoc

Obs	Name	Sex	Age	Height	Weight
1	Alfred	M	14	69.0	112.5
2	Alice	F	13	56.5	84.0
3	Barbara	F	13	65.3	98.0
4	Carol	F	14	62.8	102.5
5	Henry	M	14	63.5	102.5
6	James	M	12	57.3	83.0
7	Jane	F	12	59.8	84.5
8	Janet	F	15	62.5	112.5
9	Jeffrey	M	13	62.5	84.0
10	John	M	12	59.0	99.5
11	Joyce	F	11	51.3	50.5
12	Judy	F	14	64.3	90.0
13	Louise	F	12	56.3	77.0
14	Mary	F	15	66.5	112.0
15	Philip	M	16	72.0	150.0
16	Robert	M	12	64.8	128.0
17	Ronald	M	15	67.0	133.0
18	Thomas	M	11	57.5	85.0
19	William	M	15	66.5	112.0

```
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

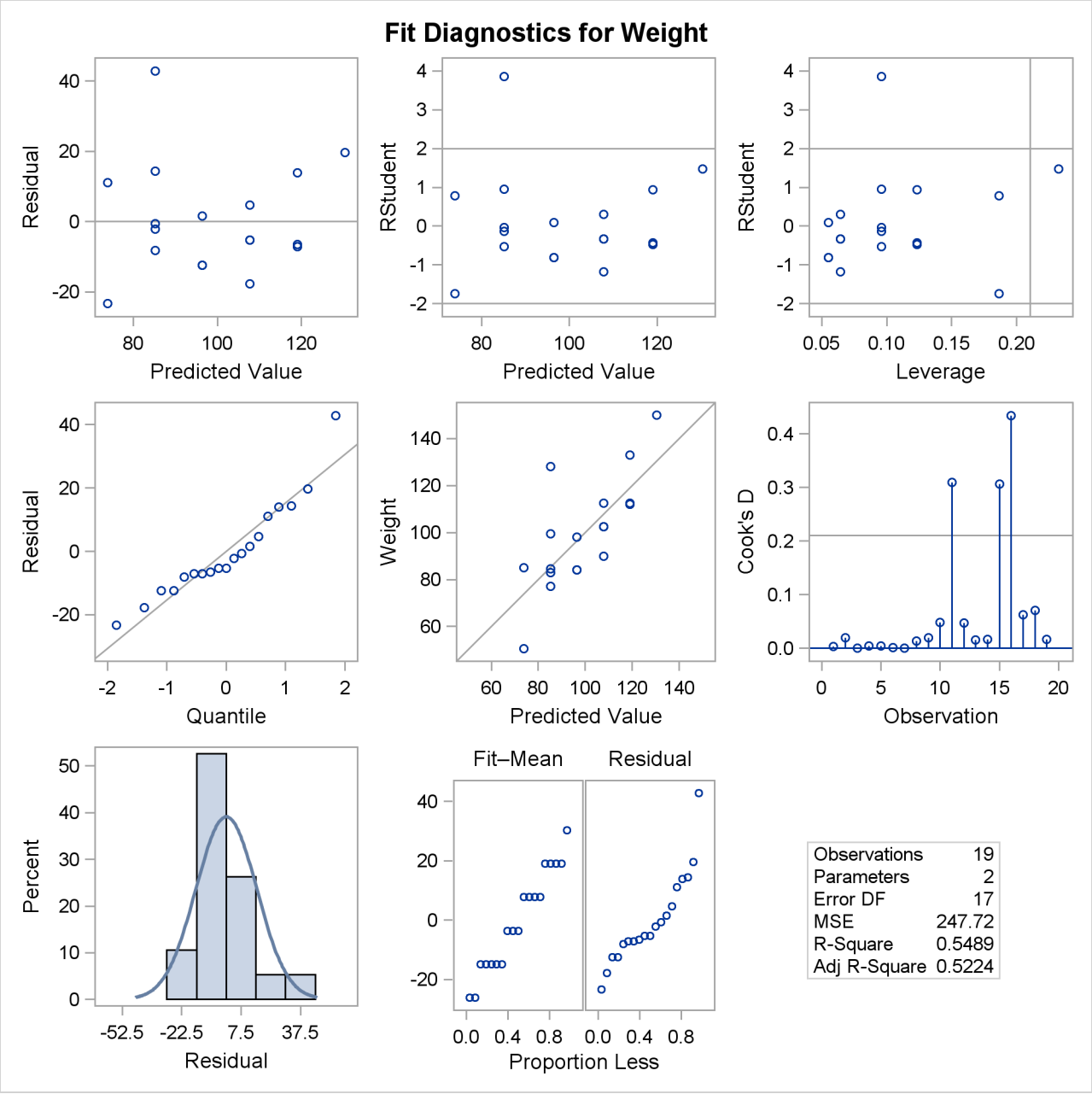


Figure 7: *continued*

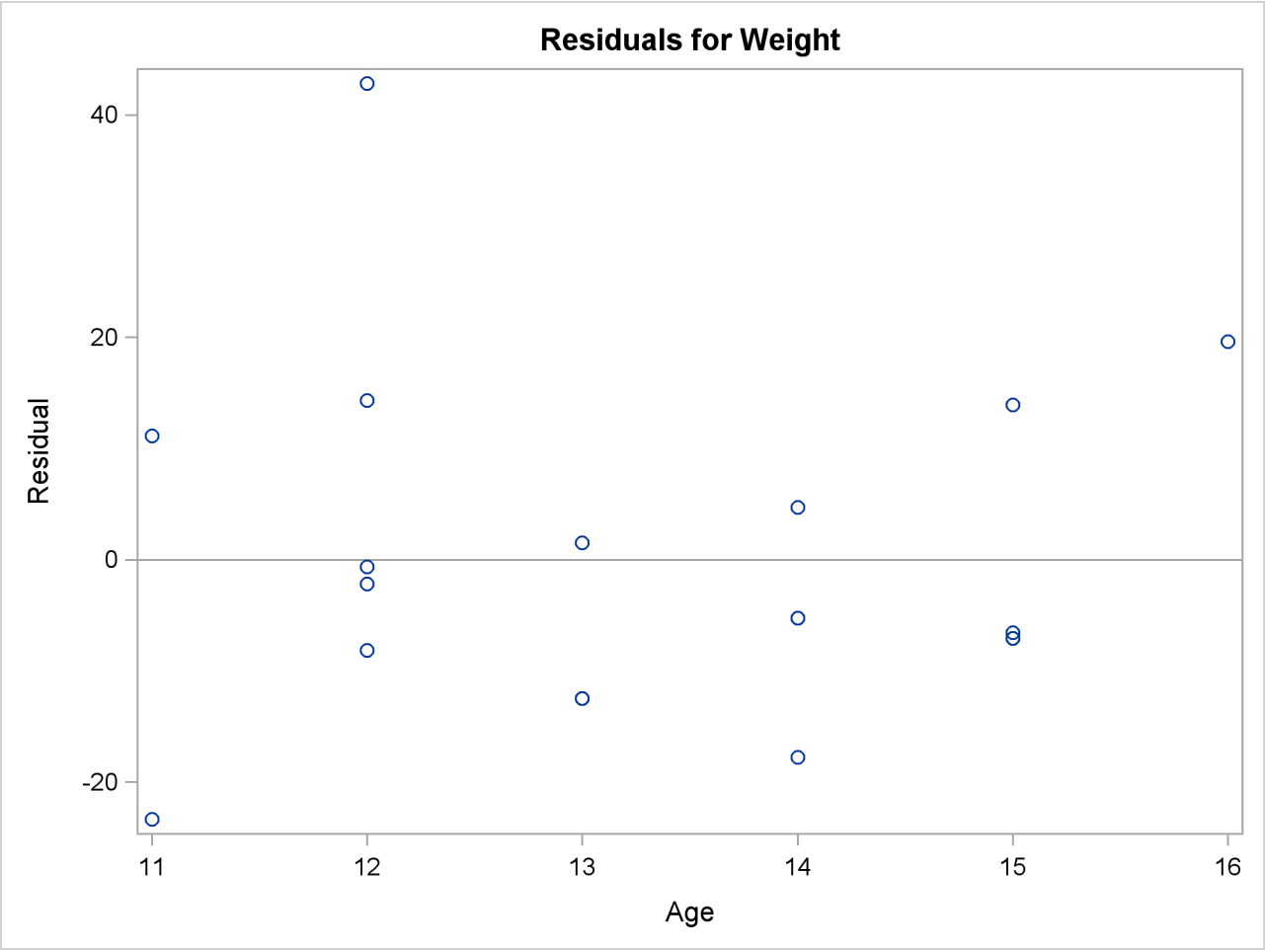


Figure 7: *continued*

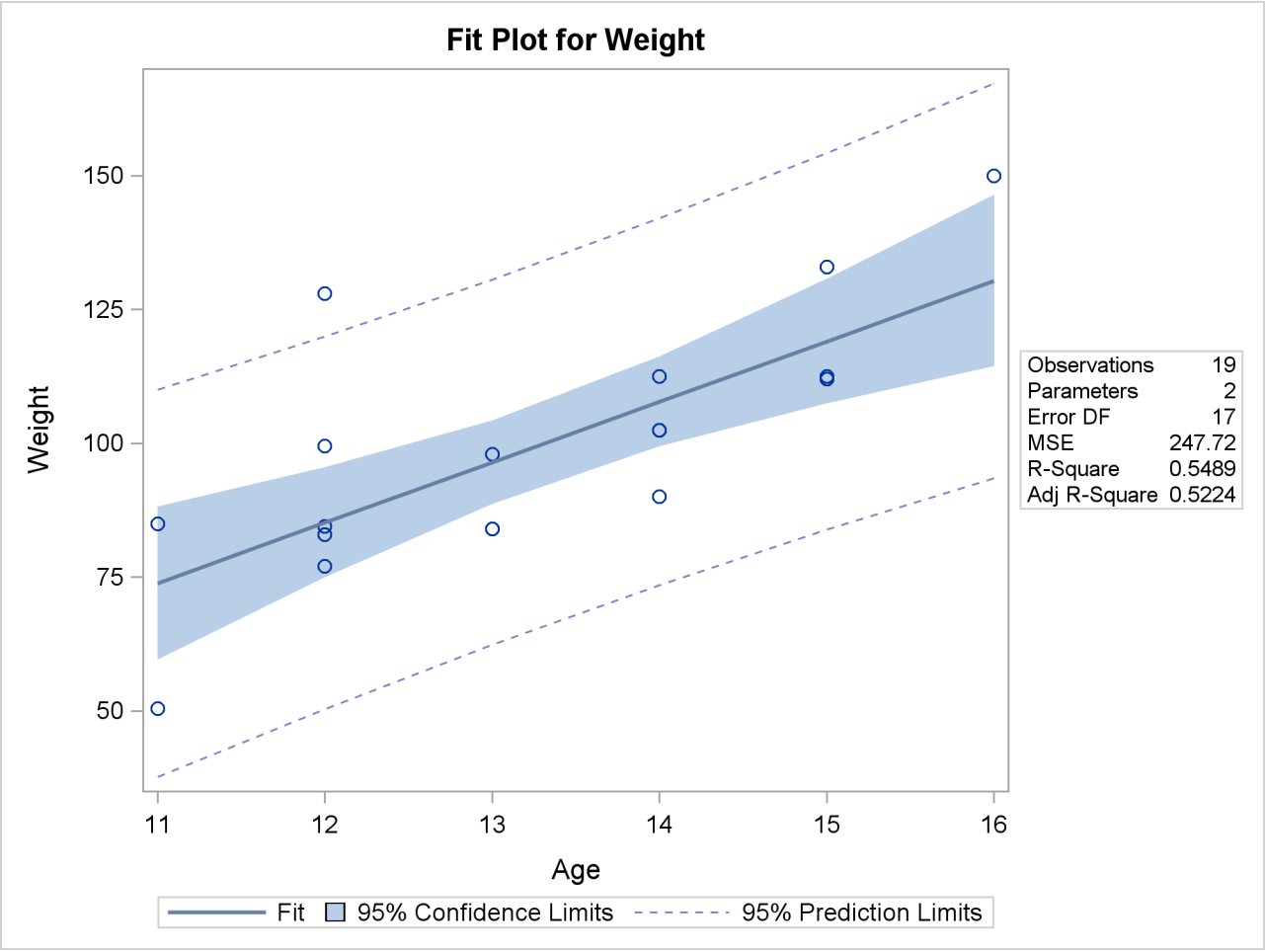


Figure 8: vanilla graphic

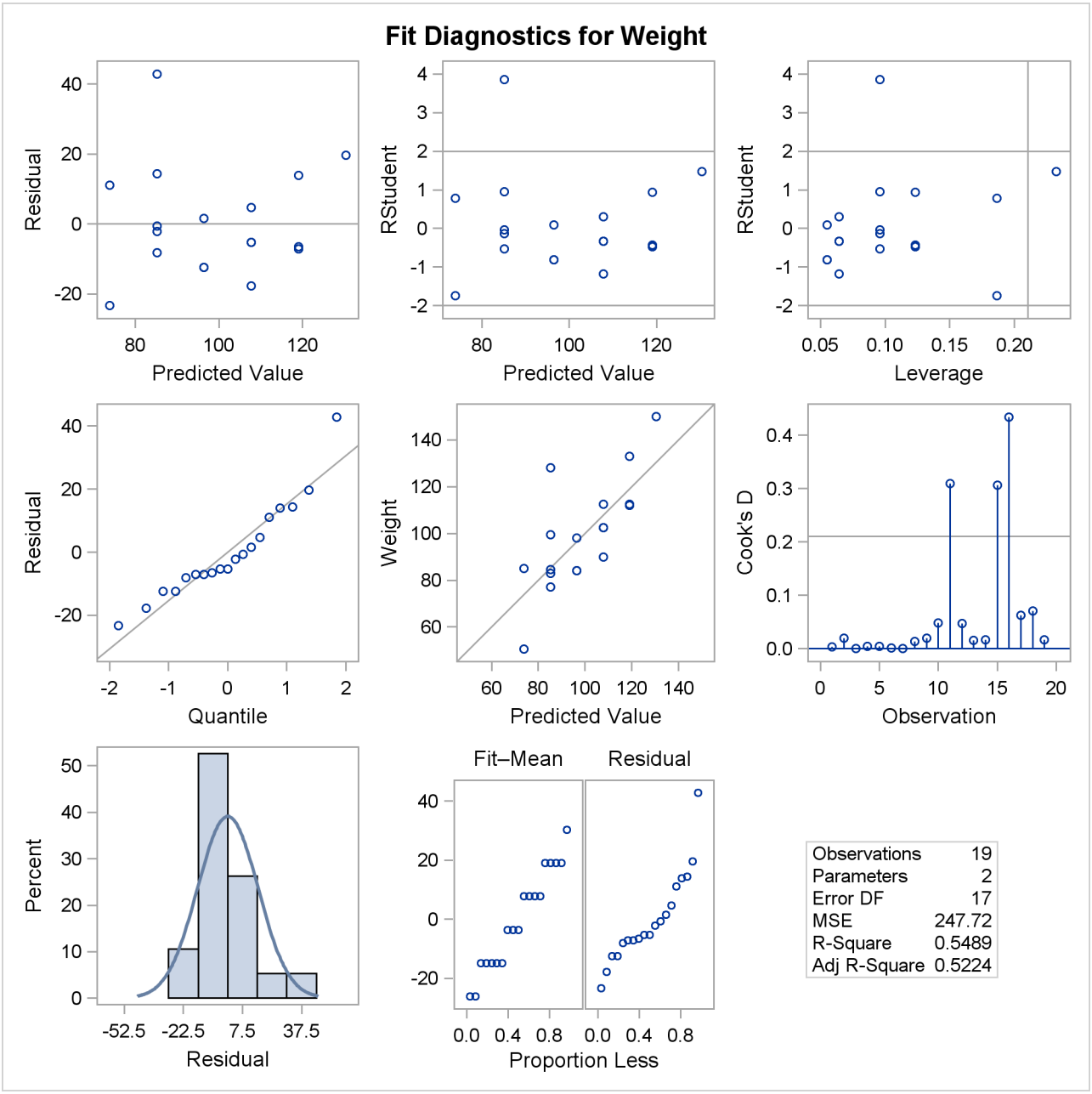


Figure 8: *continued*

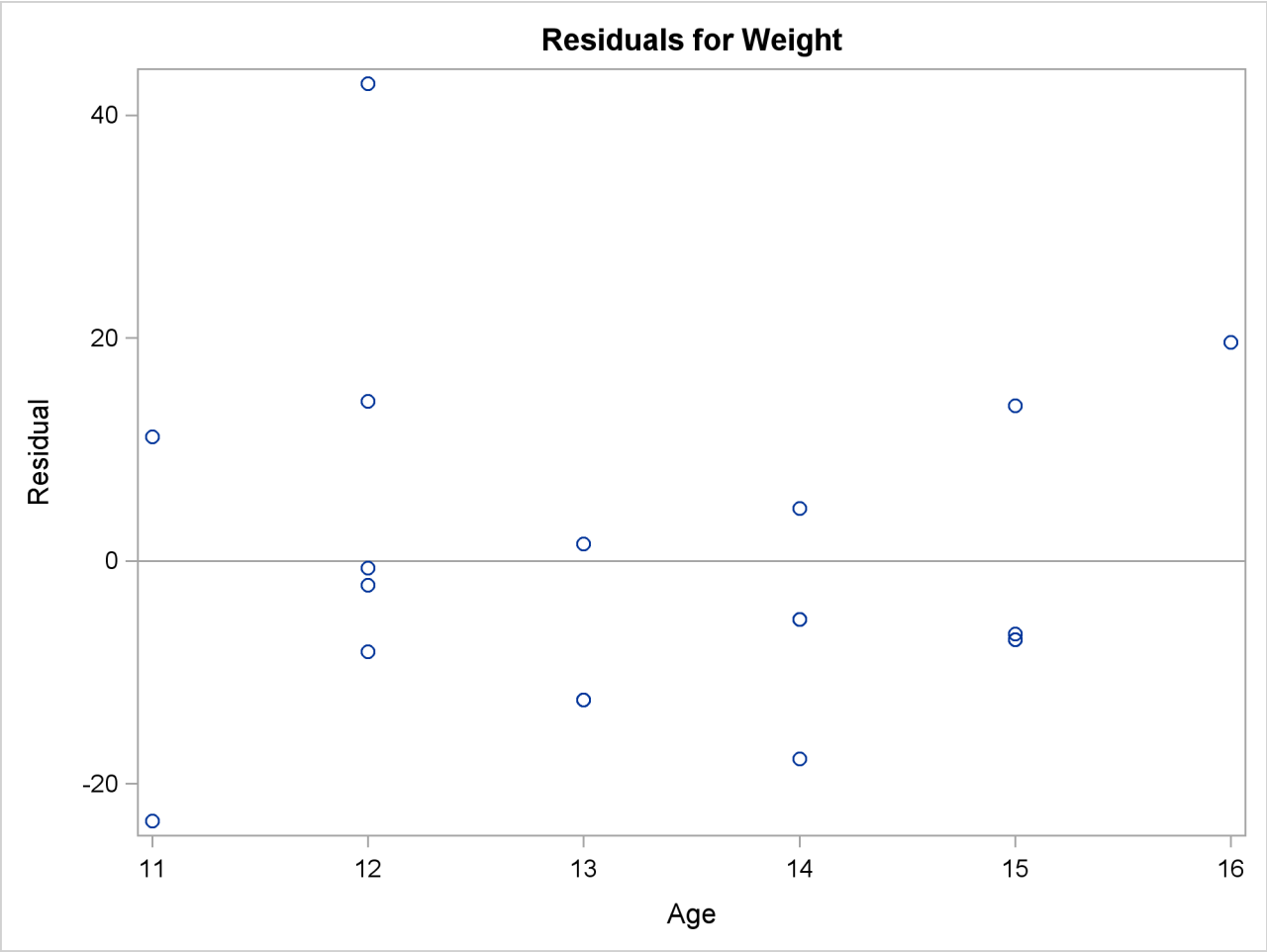


Figure 8: *continued*

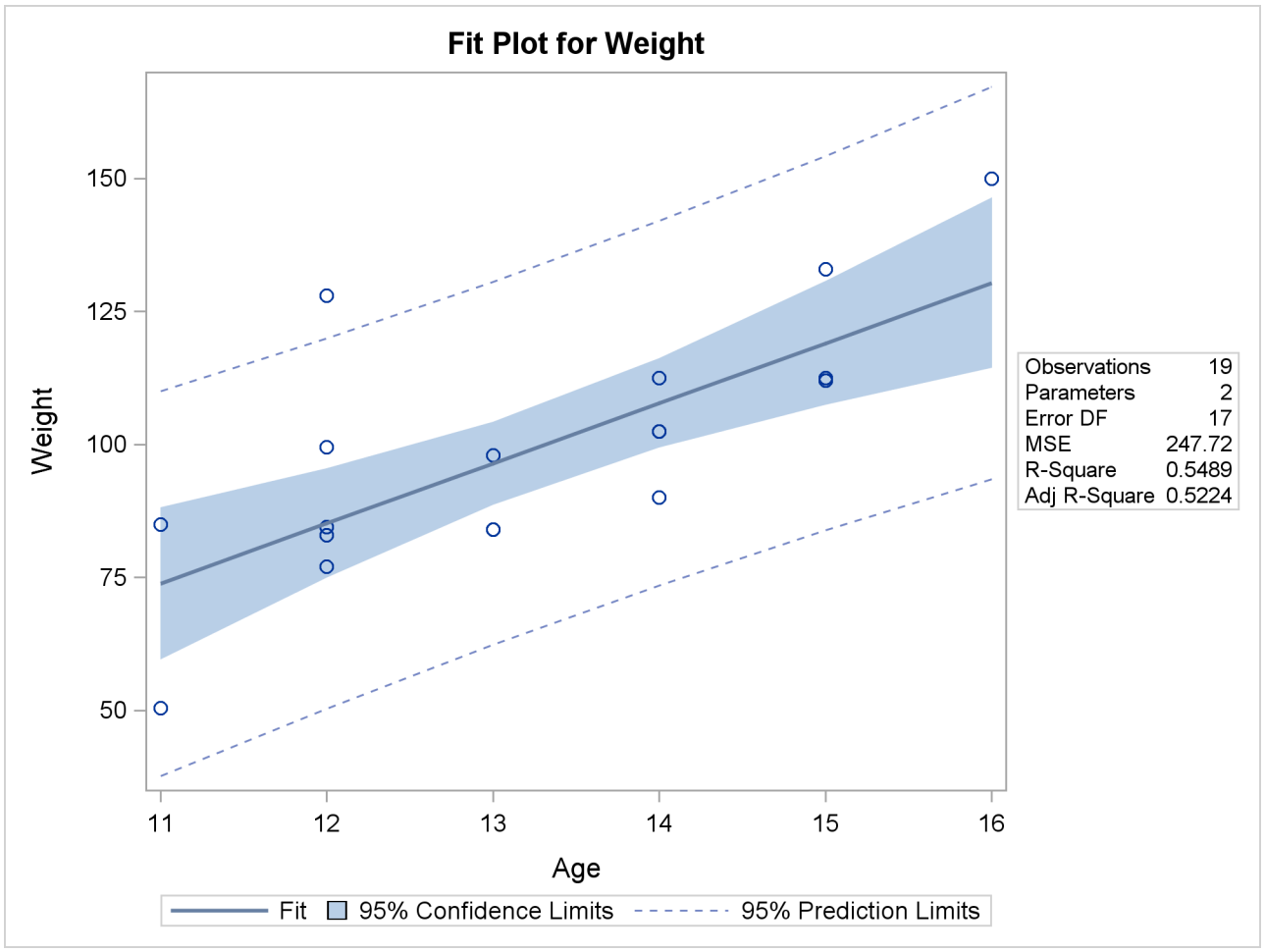


Figure 9: style=journal, scale=0.4

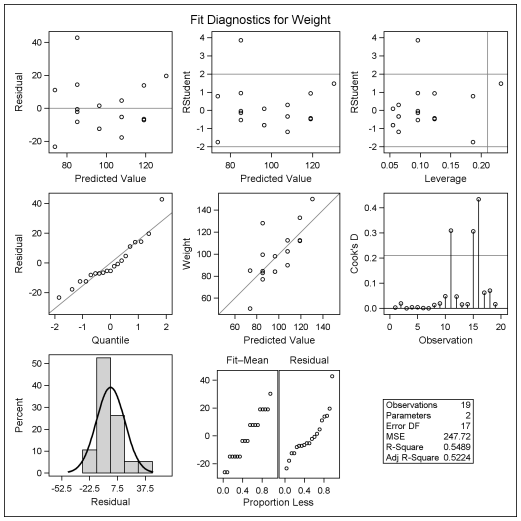


Figure 9: *continued*

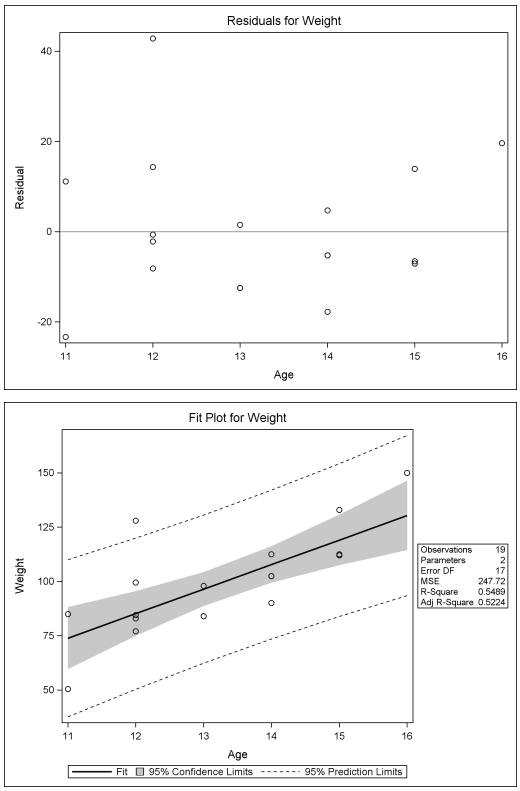


Figure 10: width=2in

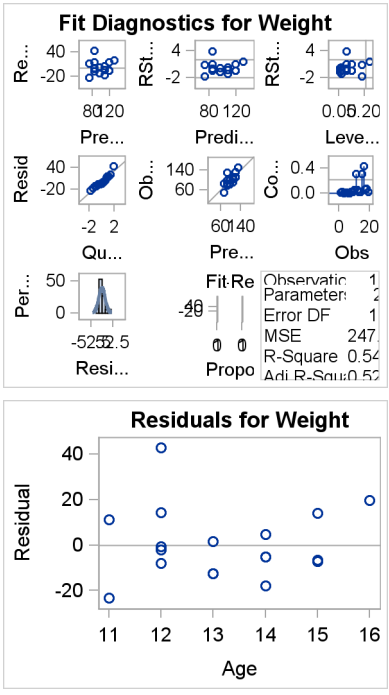


Figure 10: *continued*

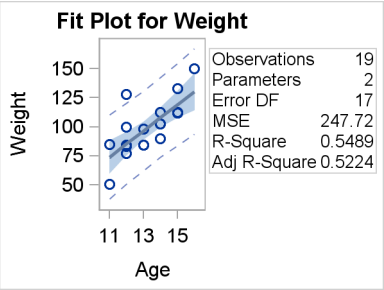


Figure 11: dpi=100

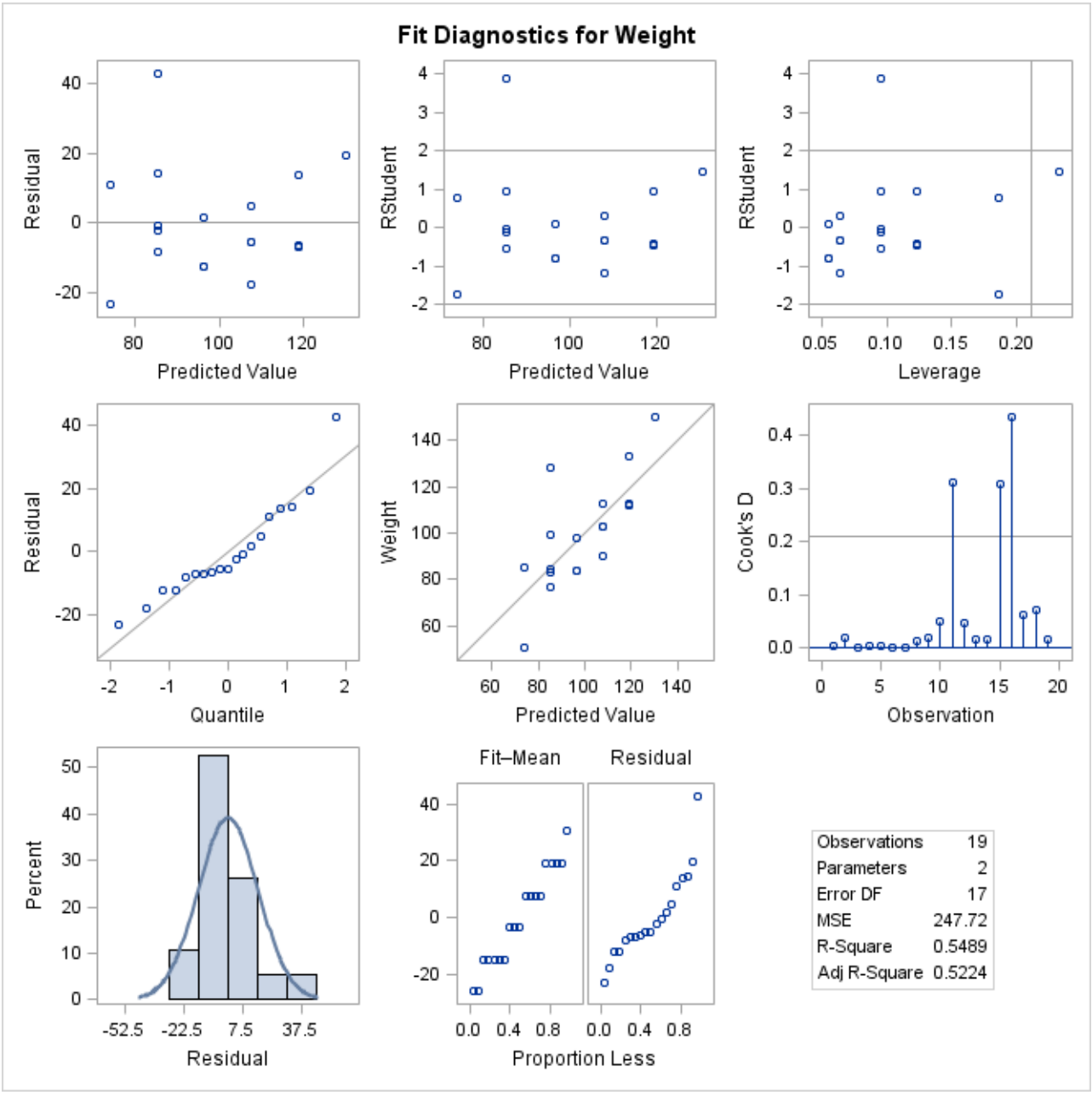


Figure 11: *continued*

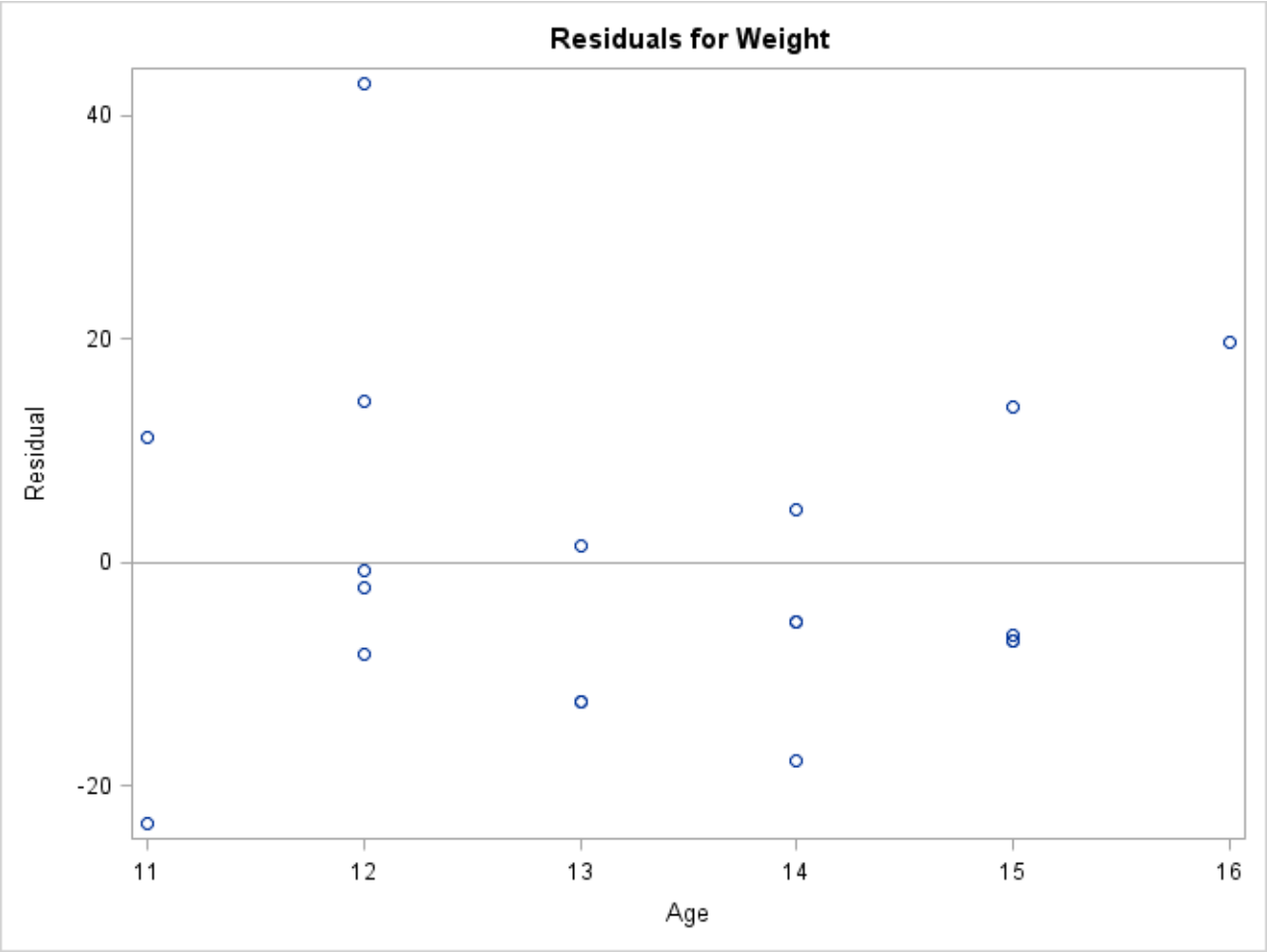


Figure 11: *continued*

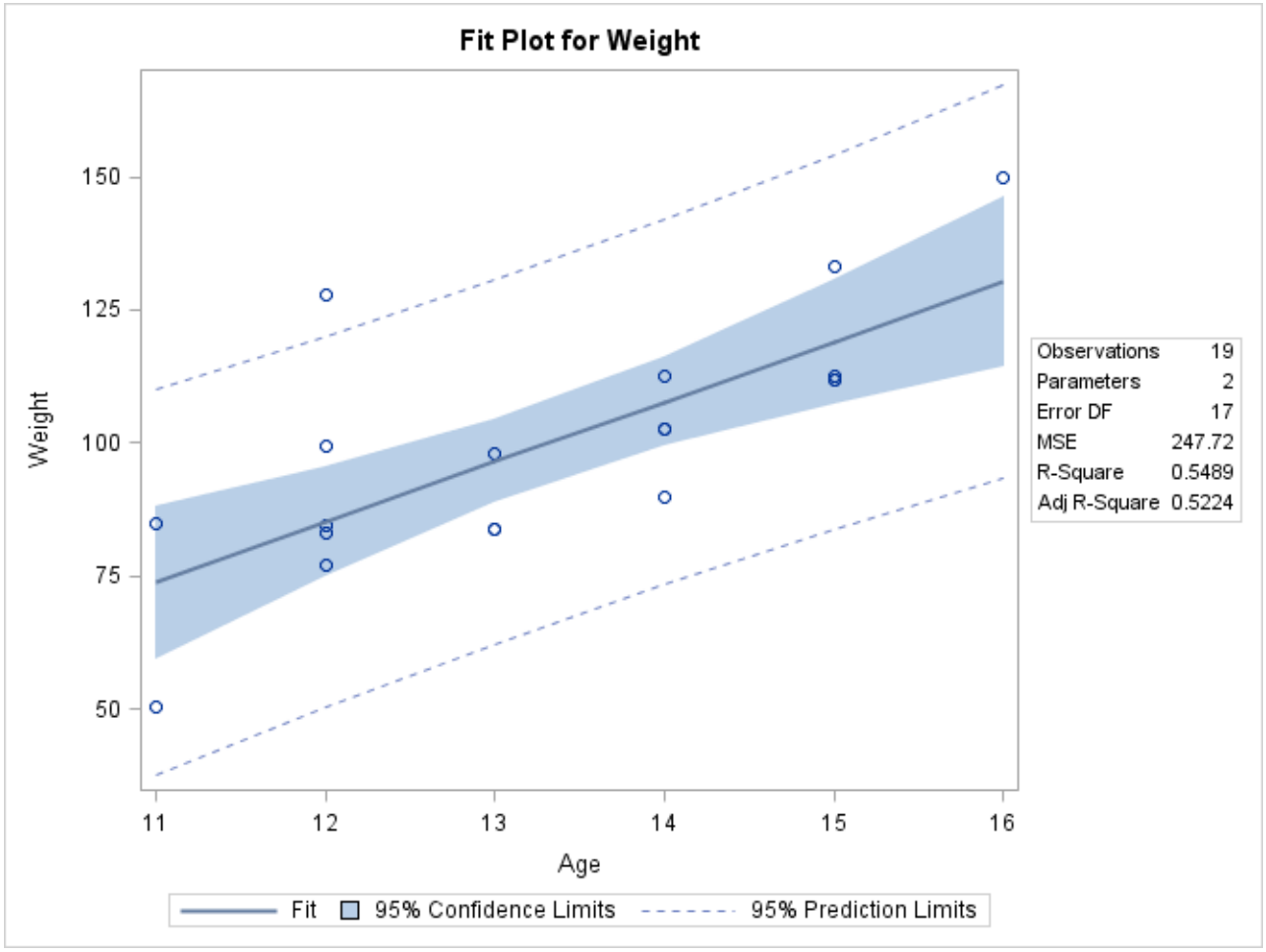


Figure 12: height=2in

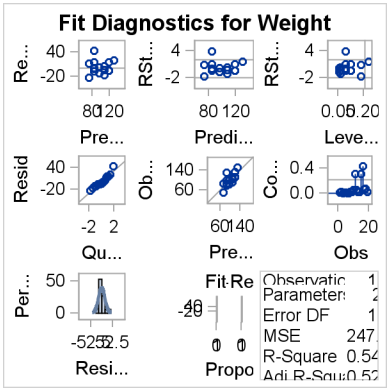
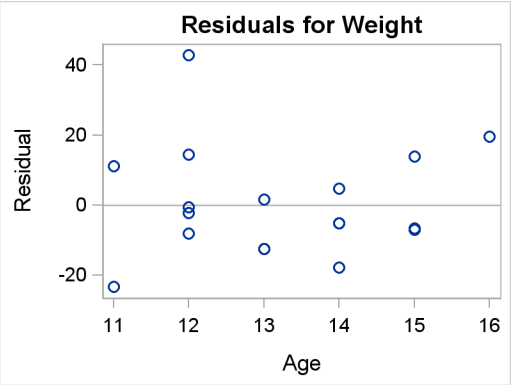


Figure 12: *continued*



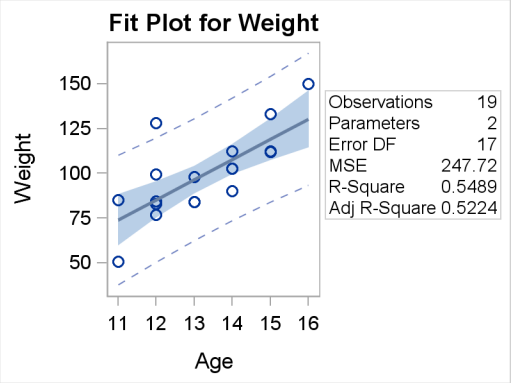


Figure 13: style=brick

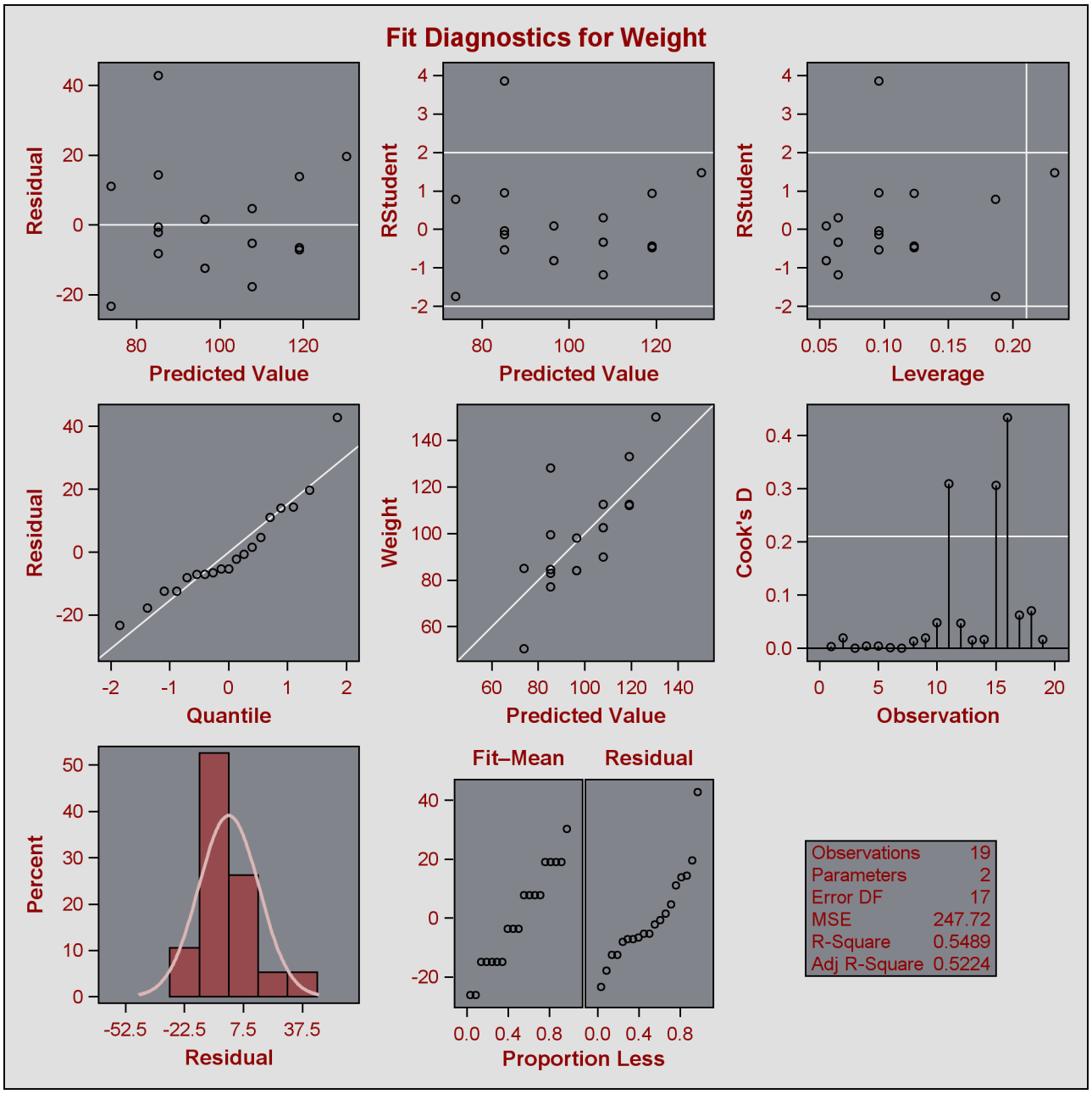


Figure 13: *continued*

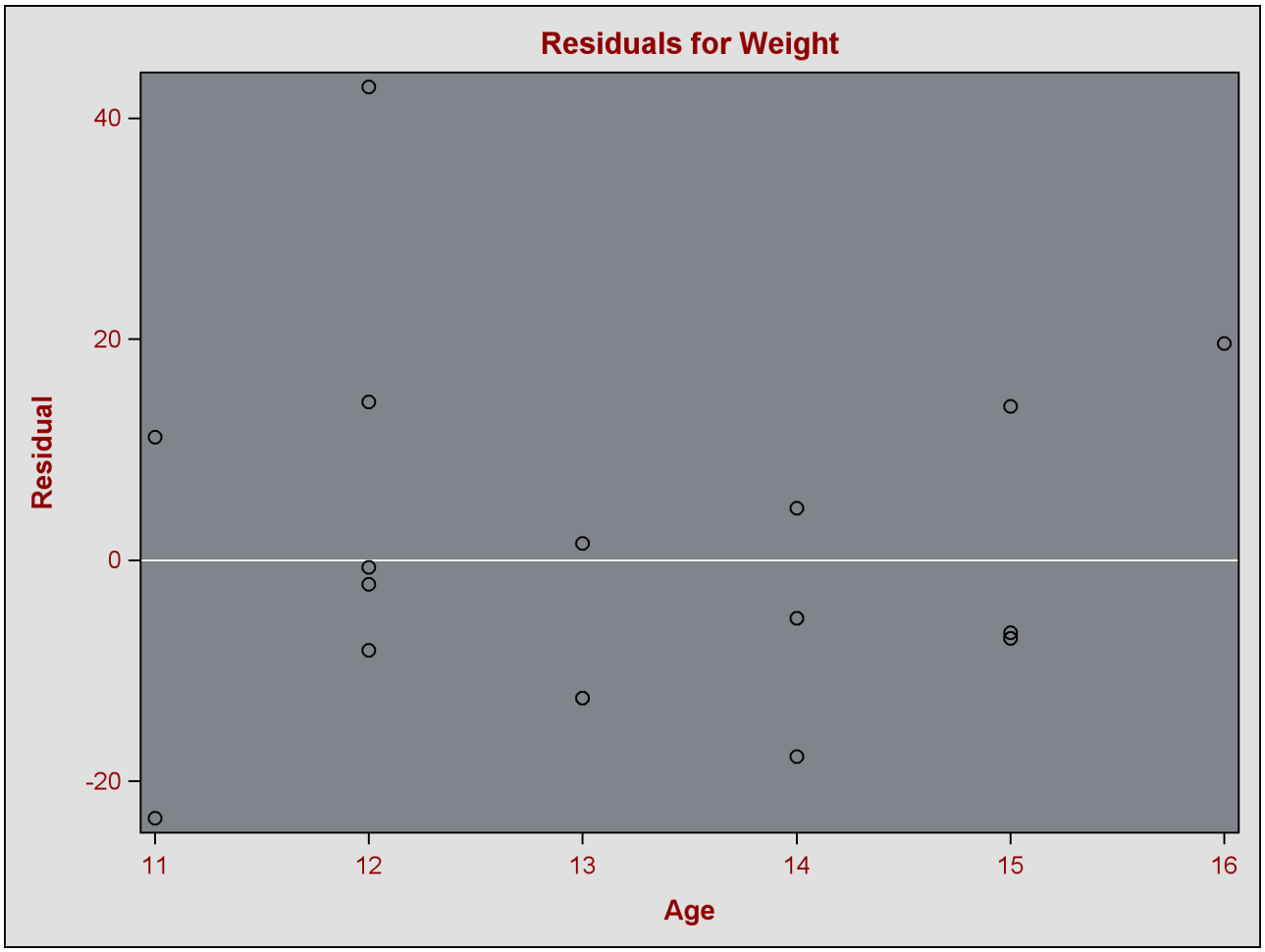


Figure 13: *continued*

Figure 14: Back to vanilla graphic

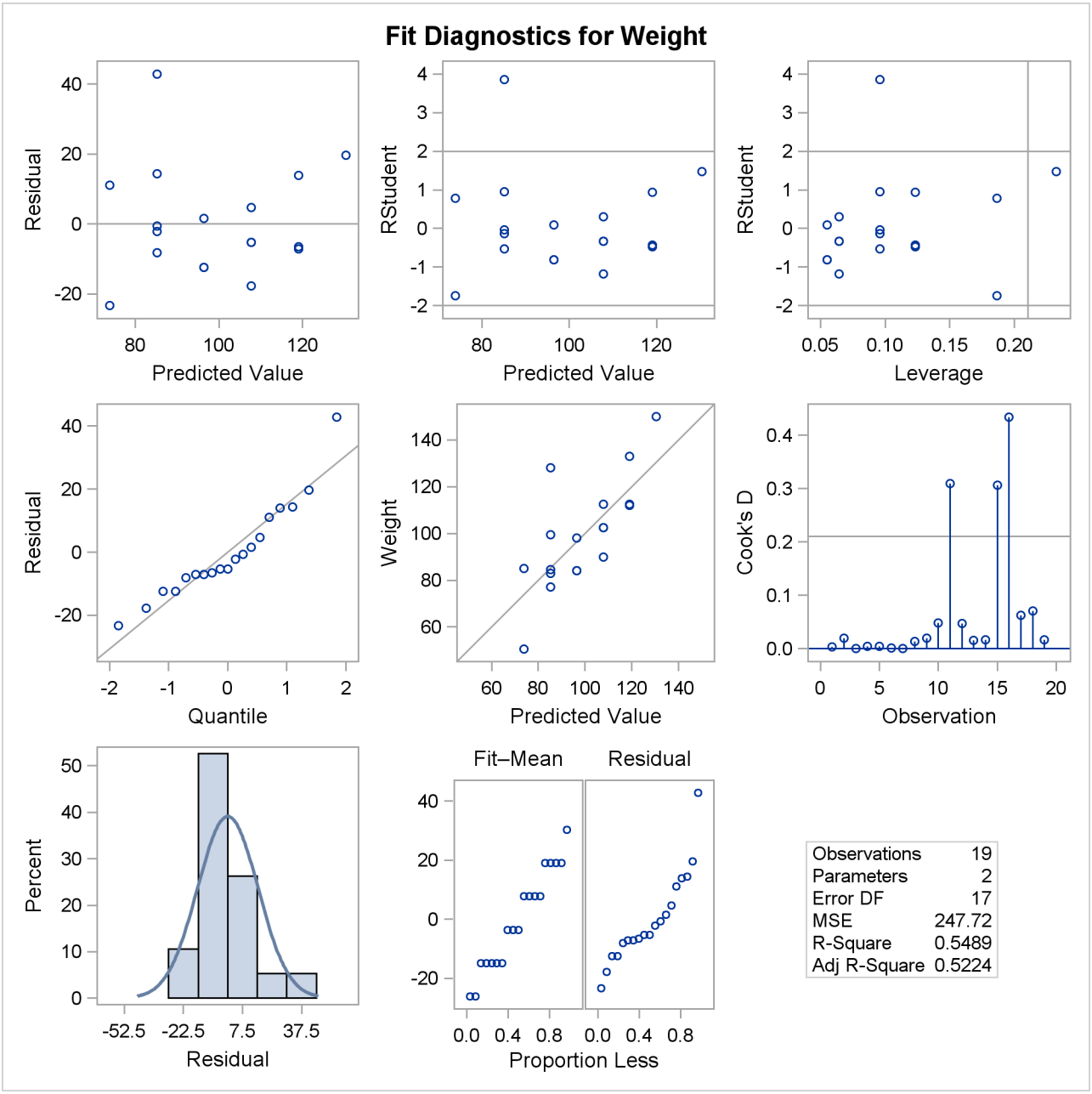


Figure 14: *continued*

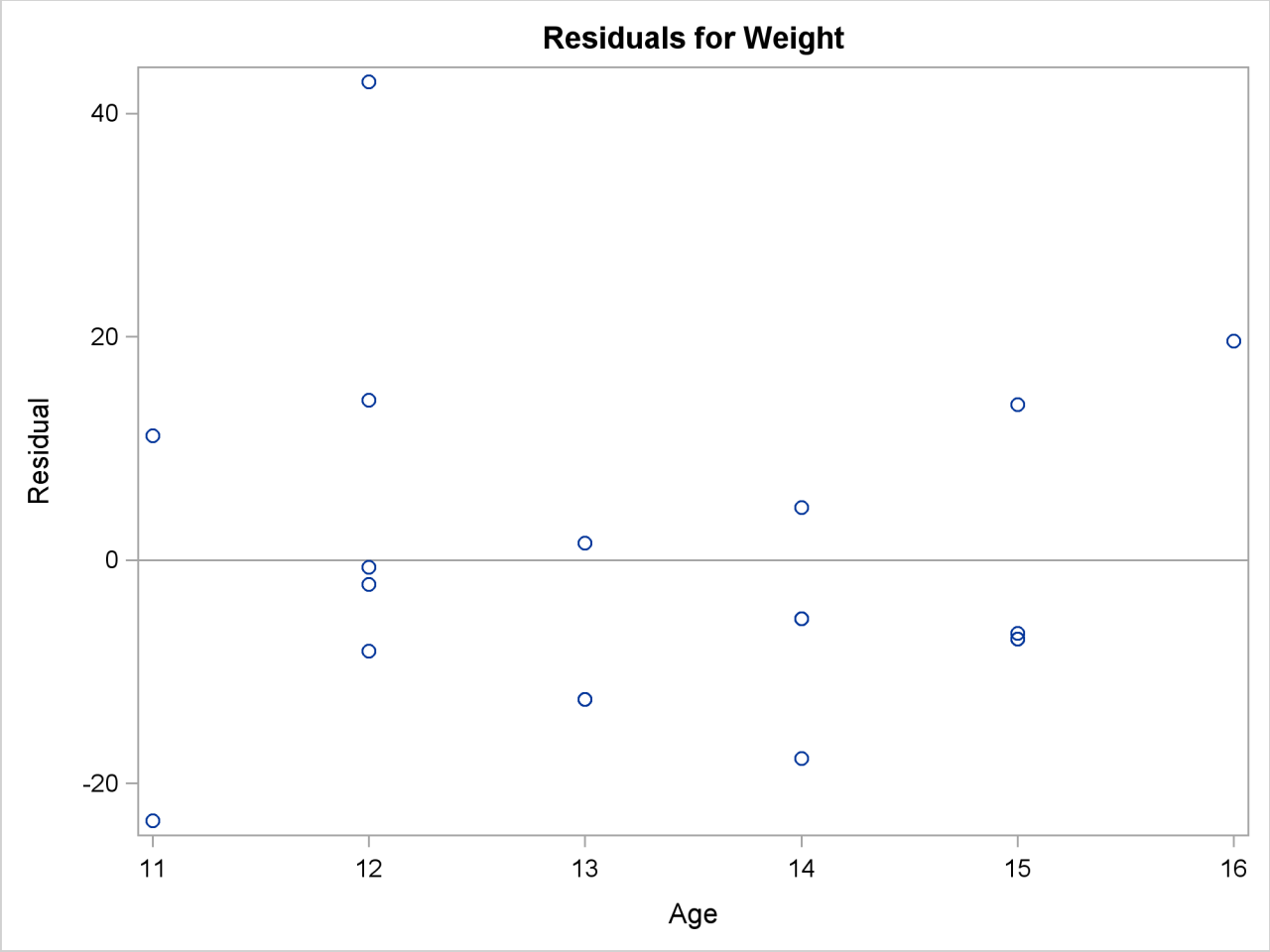
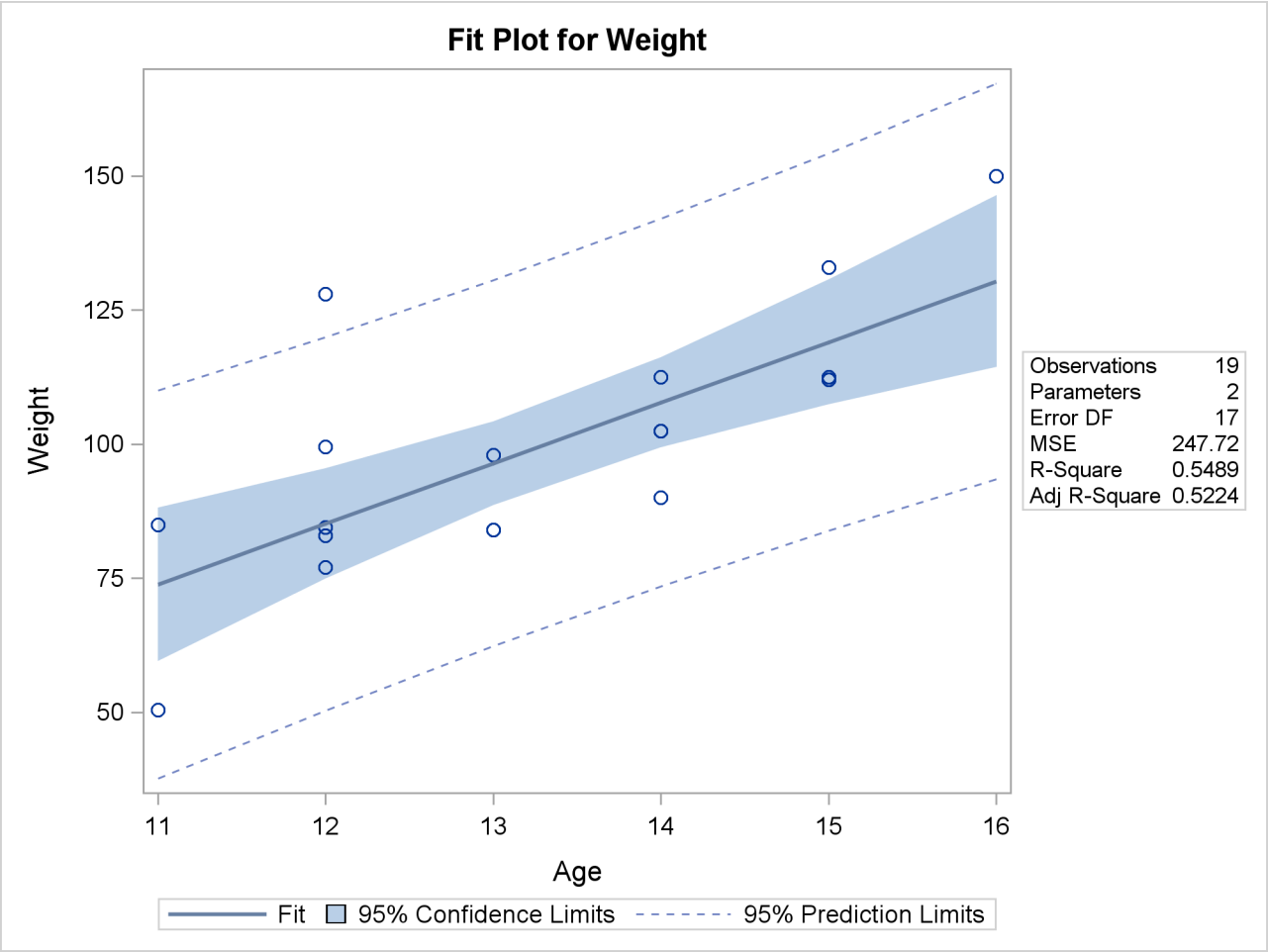


Figure 14: *continued*




```
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

                                    Sum of
 Source                       DF        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

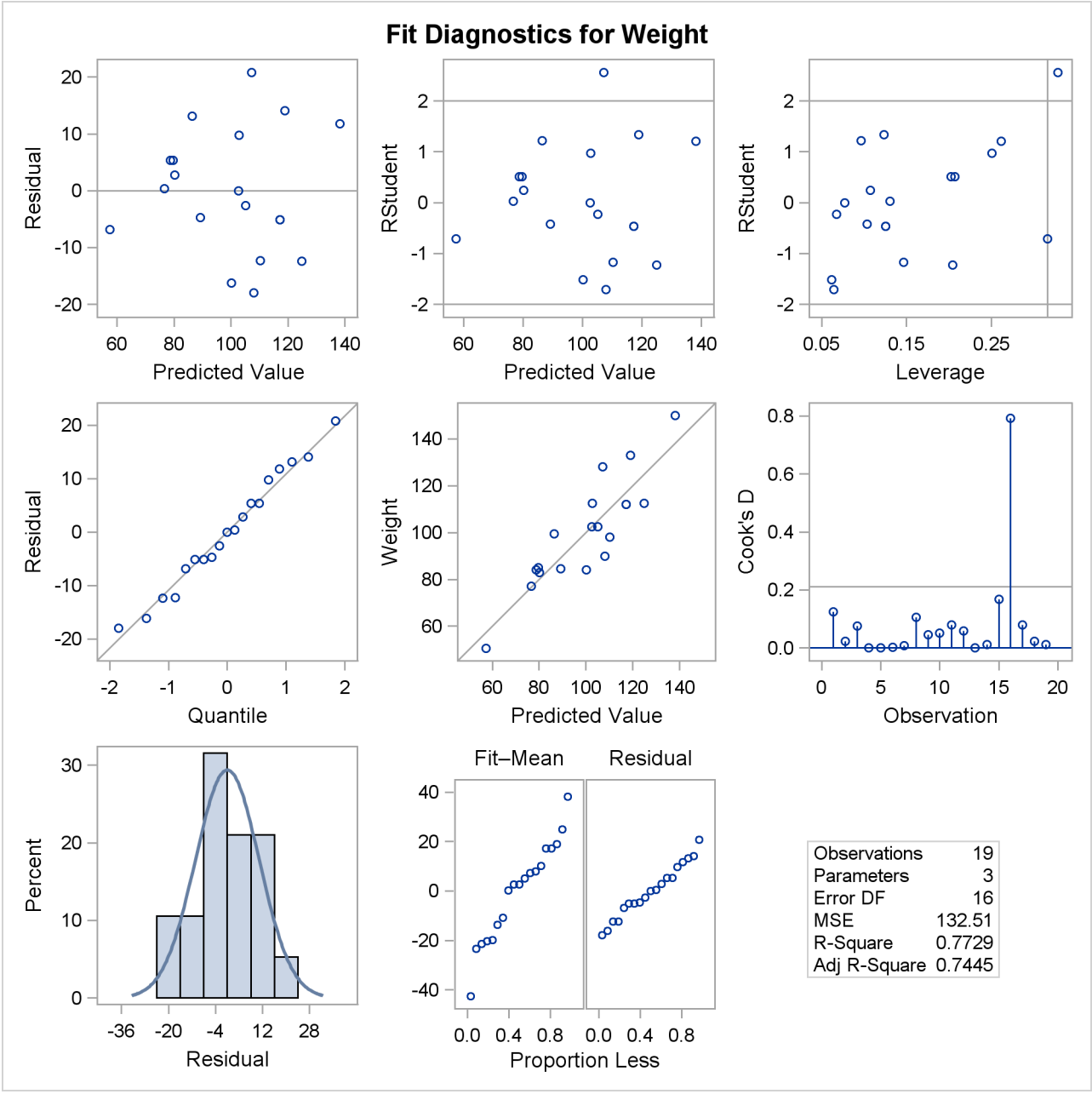


Figure 19: *continued*