This document is named `example.tex`. It contains the complete *Getting Started* example from the *StatRep User's Guide*. You can generate the final PDF document `example.pdf` as follows:

Generate the SAS program
Compile this document with `pdflatex`. The `StatRep` package automatically generates a SAS program from the document source. The program is named `example_SR.sas` and it is created in the current directory.

Capture the SAS outputs
Run the SAS program `example_SR.sas`. The SAS working directory must be the directory that contains this document.

Create the final PDF
Compile this document with `pdflatex` once more. The outputs that SAS generated in the preceding step are now included in the final PDF `example.pdf`.

The code in the `Datastep` environment is written unchanged to the generated SAS program.

```
proc format;
    value $sex 'F' = 'Female' 'M' = 'Male';
data one;
    set sashelp.class;
    format sex $sex.;
run;
```

The code in the `Sascode` environment is parsed before it is written to the generated SAS program. For example, lines that begin with the string `%*;` are written to the SAS program and are not displayed in the final document. The other lines in this example are written to the program and are displayed in the final document.

The first line of the following code block can be seen only in the LaTeX source file and in the generated SAS program. The line insures that ODS Graphics are enabled.

```
proc reg;
    model weight = height age;
run;
```

The `Listing` and `Graphic` tags convey information to LaTeX and to SAS. The tags specify the names of the output files to insert into the document and the captions for the output. Additionally, they specify the names of the output files to create and which ODS objects to capture.

Figure 1: Regression Analysis

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

                 Number of Observations Read          19
                 Number of Observations Used          19


                          Analysis of Variance

                                  Sum of          Mean
          Source            DF    Squares        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

                          Parameter      Standard
          Variable    DF    Estimate        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
```
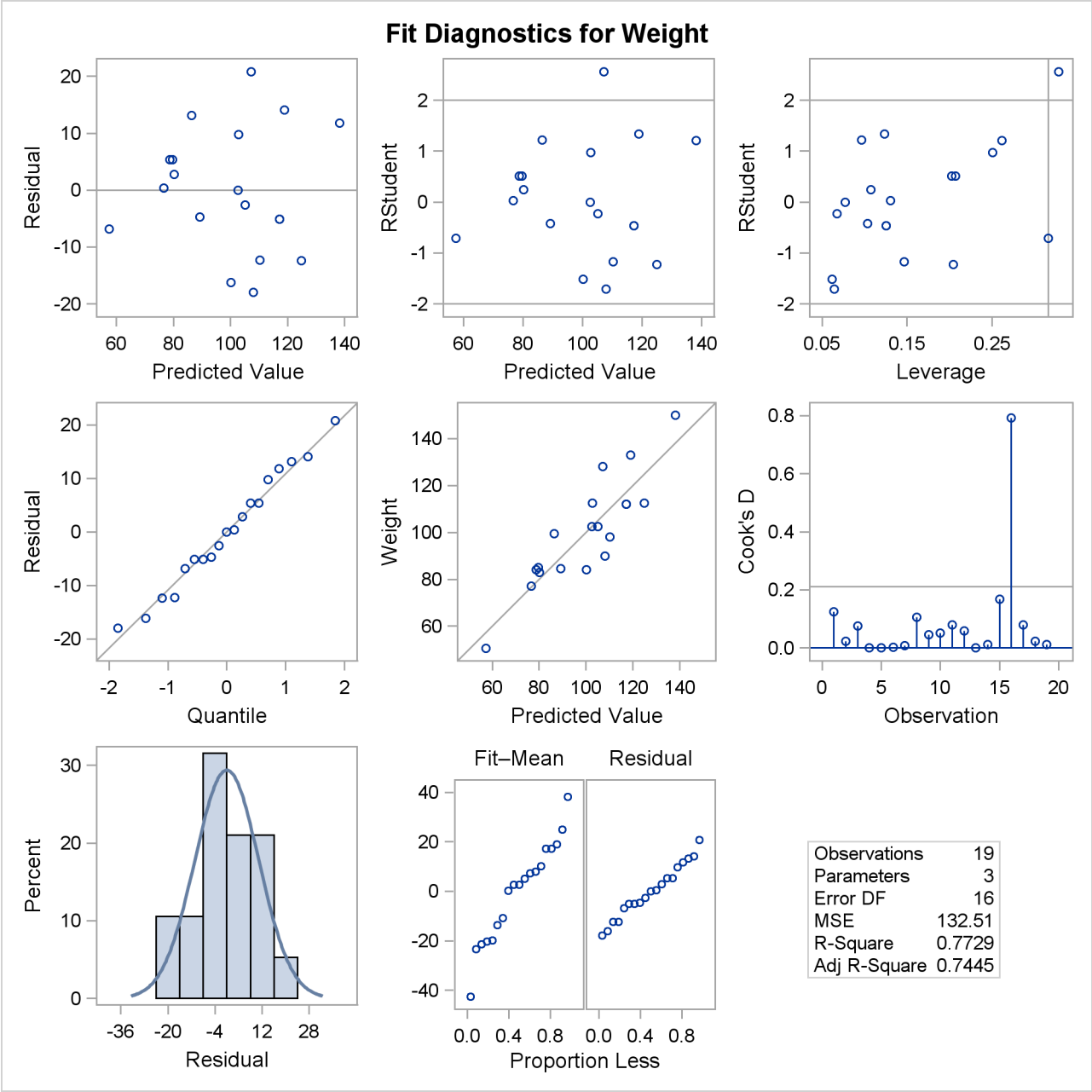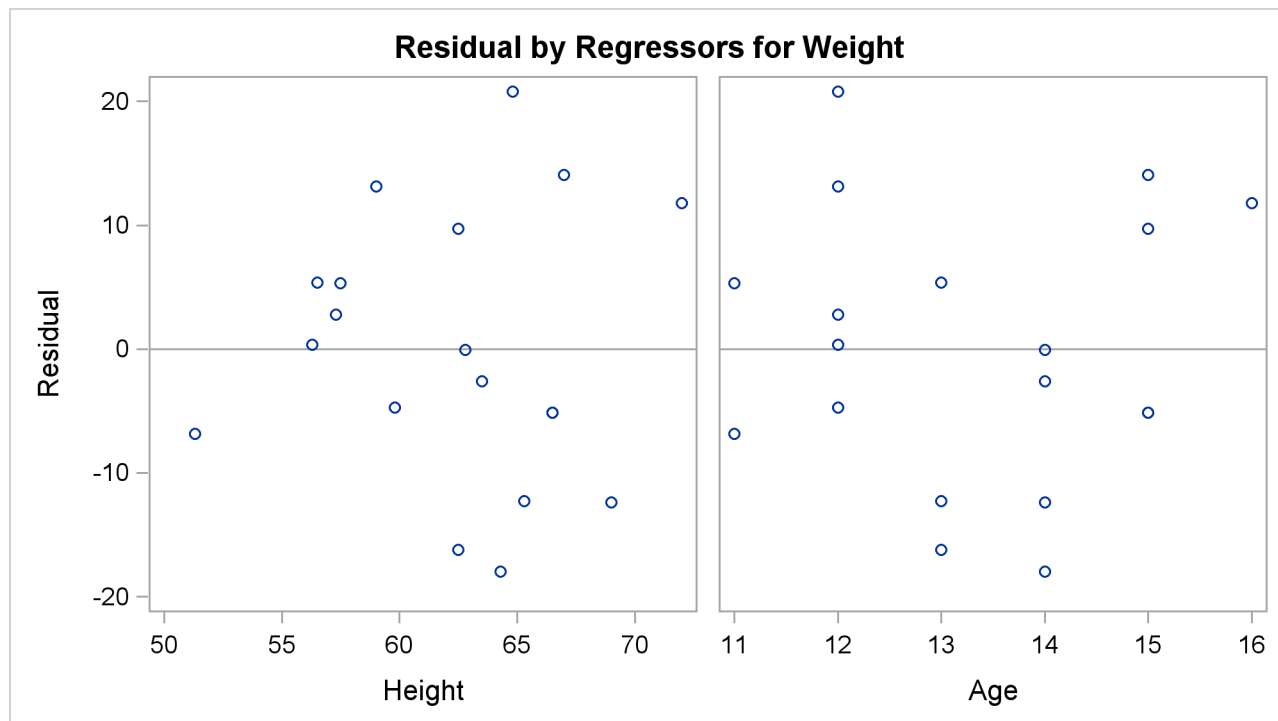
Figure 2: Graphs for Regression Analysis

Residual by Regressors for Weight

In this short example only the defaults are used. That is, all output objects are selected and displayed.