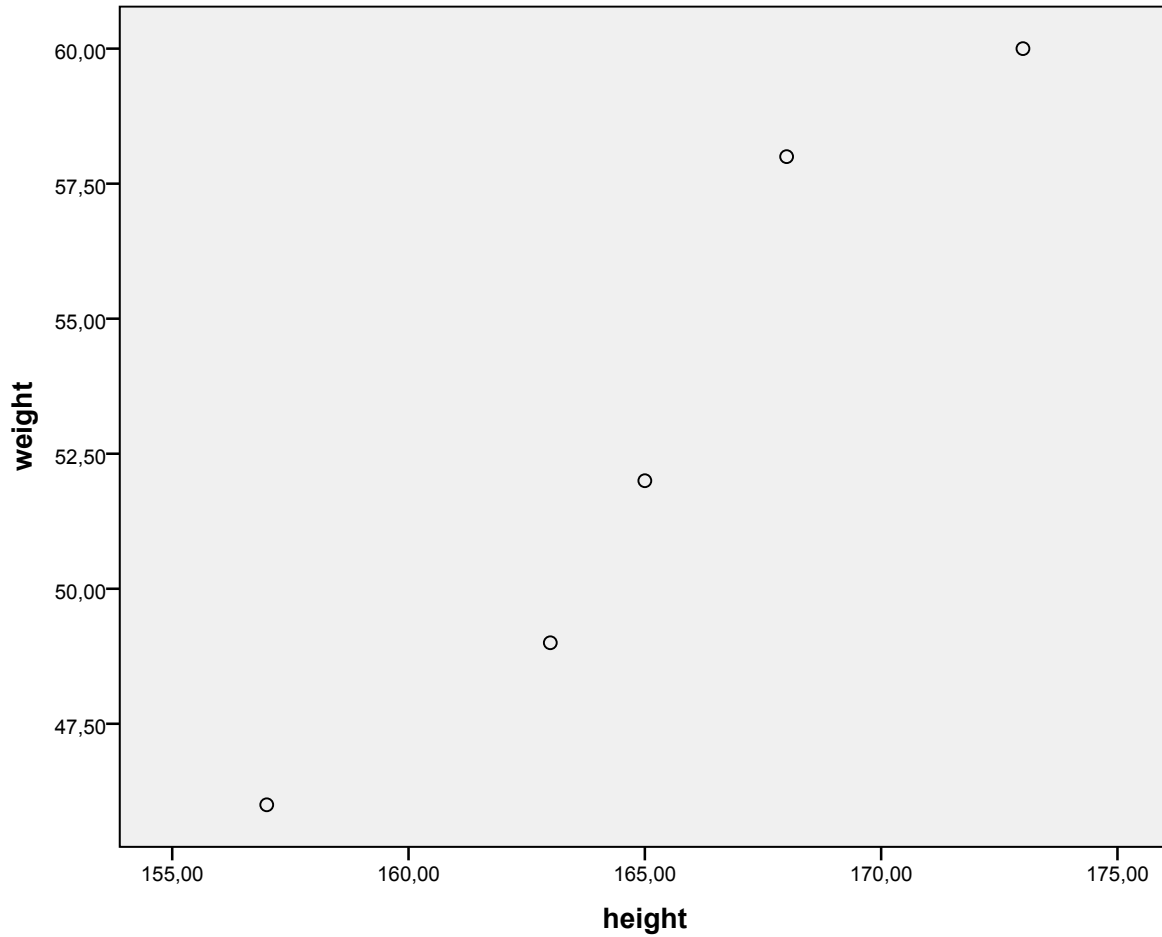


## Graph

[DataSet1] C:\Users\oktato\Documents\stat\_en\_2013Autumn\Ex4\_Ch14\_07May2014.sav



## Curve Fit

[DataSet1] C:\Users\oktato\Documents\stat\_en\_2013Autumn\Ex4\_Ch14\_07May2014.sav

### Model Description

|   |             |
|---|-------------|
| Model Name  | MOD_1       |
| Dependent Variable                                | 1<br>weight |
| Equation  | 1<br>Linear |
| Independent Variable                              | height      |
| Constant  | Included    |
| Variable Whose Values Label Observations in Plots | Unspecified |

**Case Processing Summary**

|                             | N |
|-----------------------------|---|
| Total Cases                 | 5 |
| Excluded Cases <sup>a</sup> | 0 |
| Forecasted Cases            | 0 |
| Newly Created Cases         | 0 |

a. Cases with a missing value in any variable are excluded from the analysis.

**Variable Processing Summary**

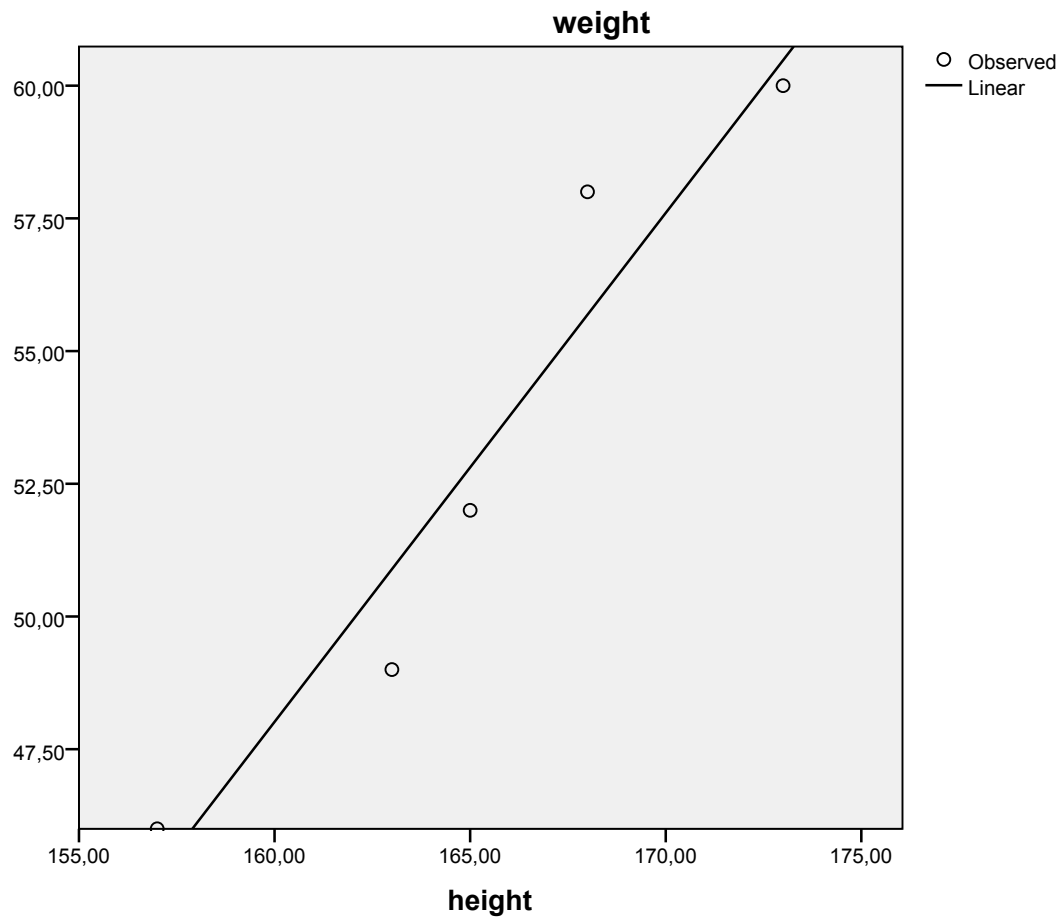
|                           | Variables |             |
|---------------------------|-----------|-------------|
|                           | Dependent | Independent |
|                           | weight    | height      |
| Number of Positive Values | 5         | 5           |
| Number of Zeros           | 0         | 0           |
| Number of Negative Values | 0         | 0           |
| Number of Missing Values  |           |             |
| User-Missing              | 0         | 0           |
| System-Missing            | 0         | 0           |

**Model Summary and Parameter Estimates**

Dependent Variable:weight

| Equation | Model Summary |        |     |     |      | Parameter Estimates |      |
|----------|---------------|--------|-----|-----|------|---------------------|------|
|          | R Square      | F      | df1 | df2 | Sig. | Constant            | b1   |
| Linear   | ,925          | 36,769 | 1   | 3   | ,009 | -105,395            | ,959 |

The independent variable is height.



## Curve Fit

[DataSet1] C:\Users\oktato\Documents\stat\_en\_2013Autumn\Ex4\_Ch14\_07May2014.sav

### Model Description

|   |             |
|---|-------------|
| Model Name  | MOD_2       |
| Dependent Variable                                | 1<br>weight |
| Equation  | 1<br>Linear |
| Independent Variable                              | height      |
| Constant  | Included    |
| Variable Whose Values Label Observations in Plots | Unspecified |

**Case Processing Summary**

|                             | N |
|-----------------------------|---|
| Total Cases                 | 5 |
| Excluded Cases <sup>a</sup> | 0 |
| Forecasted Cases            | 0 |
| Newly Created Cases         | 0 |

a. Cases with a missing value in any variable are excluded from the analysis.

**Variable Processing Summary**

|                           | Variables      |             |
|---------------------------|----------------|-------------|
|                           | Dependent      | Independent |
|                           | weight         | height      |
| Number of Positive Values | 5              | 5           |
| Number of Zeros           | 0              | 0           |
| Number of Negative Values | 0              | 0           |
| Number of Missing Values  | User-Missing   | 0           |
|                           | System-Missing | 0           |

**weight**

**Linear**

**Model Summary**

| R    | R Square | Adjusted R Square | Std. Error of the Estimate |
|------|----------|-------------------|----------------------------|
| ,962 | ,925     | ,899              | 1,876                      |

The independent variable is height.

**ANOVA**

|            | Sum of Squares | df | Mean Square | F      | Sig. |
|------------|----------------|----|-------------|--------|------|
| Regression | 129,439        | 1  | 129,439     | 36,769 | ,009 |
| Residual   | 10,561         | 3  | 3,520       |        |      |
| Total      | 140,000        | 4  |             |        |      |

The independent variable is height.

**Coefficients**

|            | Unstandardized Coefficients |            | Standardized Coefficients | t      | Sig. |
|------------|-----------------------------|------------|---------------------------|--------|------|
|            | B                           | Std. Error | Beta                      |        |      |
| height     | ,959                        | ,158       | ,962                      | 6,064  | ,009 |
| (Constant) | -105,395                    | 26,135     |                           | -4,033 | ,027 |

