

Bears.MTW

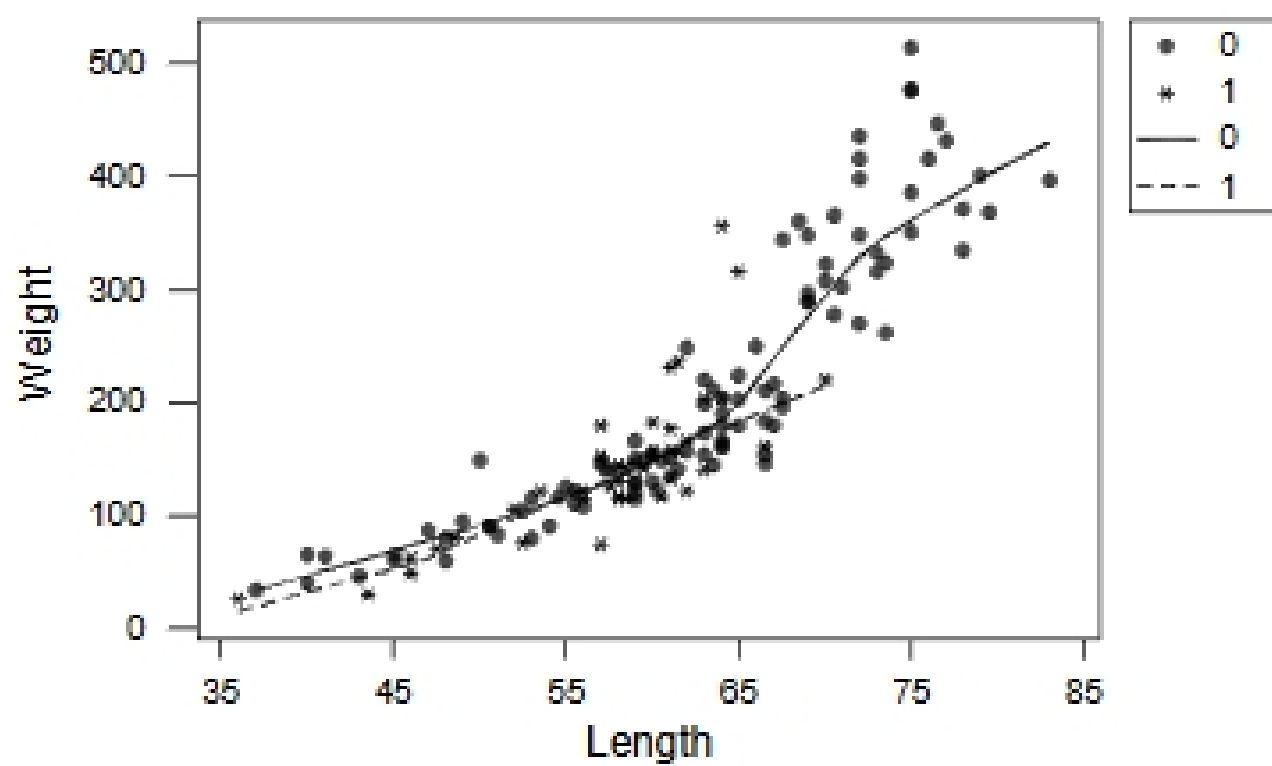
With Calc > Calculator

$$Z = \text{Sex} - 1 \quad (\text{from } 1,2 \text{ to } 0,1)$$

With Graph > Plot

- Y=Weight, X=Length
- Symbol by group, variable Z
- Lowess bygroup, variable Z (smoothing param 0.5)

(With "Edit attributes", use different symbols and line types, or colors)



With Calc > Calculator

- $ZL = Z \text{ times Length}$

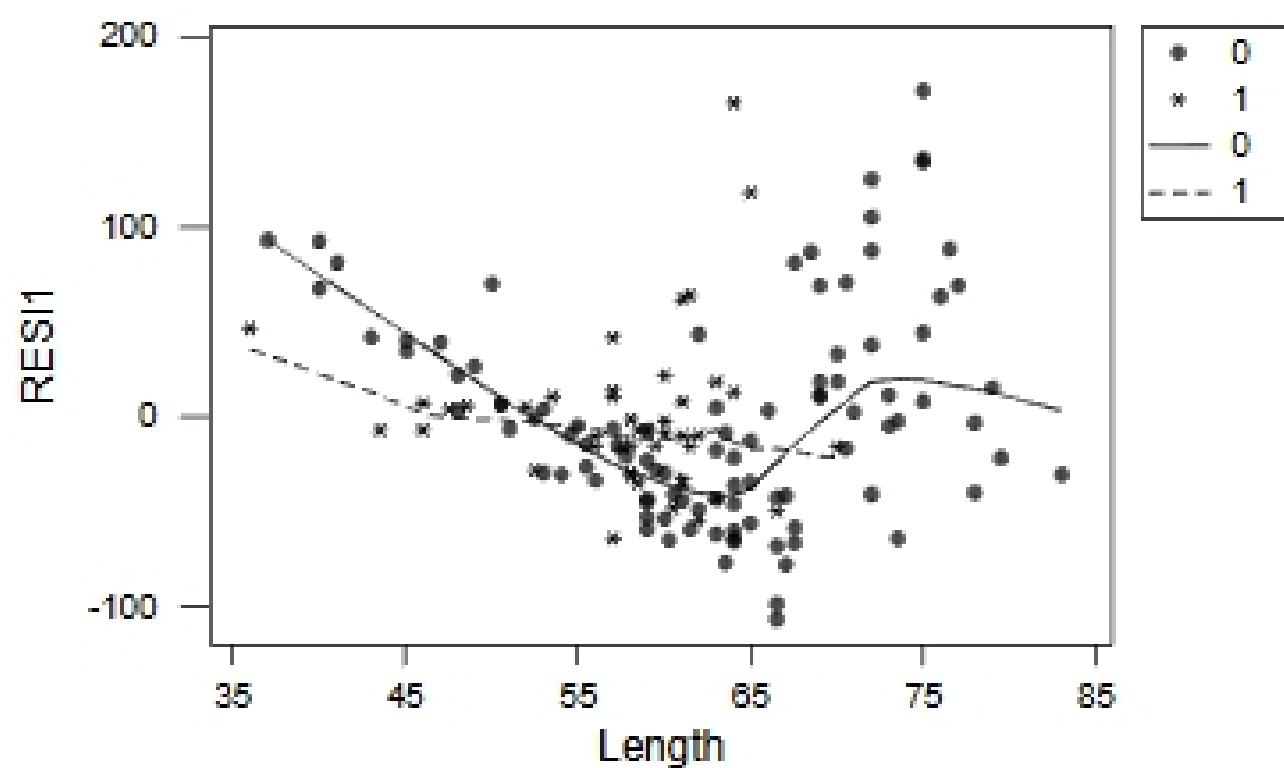
With Stat > Regression > Regression

- response = Weight
- predictors = Length, Z, ZL
- With "Storage", Residuals and Fits
- With "Results", second option

With Graph > Plot

- Y=RESI1, X=Length
- Symbol by group, variable Z
- Lowess by group, variable Z

(With “Edit attributes”, use different symbols and line types, or colors)



With Calc > Calculator

- $\text{Log}W = \text{logarithm of Weight}$