

MULTIVAR STATS IN ECOL AND GENETICS — EXERCISES, SHEET 2

- 1.** Make the first exercise from the first sheet again, this time taking possible interactions between the variables into account.
- 2.** The file `bp.txt` contains simulated blood pressures (bp), treatments, ages, body lengths [cm] and weights [kg] of 40 imaginary patients. How does their blood pressure depend on the other variables? Fit several models to the data and decide which one explains the data best.
- 3.** Got to <http://www.highstat.com/book1.htm> and follow the link “Data and R code for chapter 27”. Ignore the R files in the downloaded folder and analyse the data: How are the different variables correlated, which have a strong influence on the number of species? To explore this, try different ways to visualize the data and fit multivariate linear models.