Discussion # 1

31 August

Discussion write-ups:

• A first write-up is due at the start of the discussion section. It should summarize your approach to the assignment and your conclusions.

• A final write-up is due at the start of lecture (9:30 a.m.) on the Monday following the discussion, or by email to me if there is no class that day. The write-up should describe the analyses you did and why, the statistical results you got, and your answers to the scientific question(s) asked. You do not need to include graphs or statistical output unless they differ from what was seen in class or you have questions about them.

Write-ups received late but before 4:30 p.m. the day due will receive credit, with a 10% deduction; write-ups turned in after 4:30 p.m. of the day due will not receive credit, but you should do the write-up anyway, and turn it in for feedback.

We will examine personal data provided by members of previous Biometry classes. There are 141 observations. The variables are age (years), height (cm), number of body piercings, gender, and which UH college they are in. (Natural Sciences includes students from Zoology, Botany and Microbiology. SOEST is the School of Ocean & Earth Science & Technology; most of these students are from Oceanography but a few are from Geology & Geophysics. CTAHR is the College of Tropical Agriculture & Human Resources; most of these students are from Natural Resources and Environmental Managements (NREM), with some from Entomology, and a few from Tropical Plant and Soil Sciences and Molecular Sciences and Bioengineering. “Other” students mostly were from Anthropology and Geography in the College of Social Sciences, with a few from the Med School and some unclassified students.)

The data will be distributed as an Excel file. The first four rows are shown here. Note that the age variable is missing for the two last observations; your statistical software may require that you fill these in as missing values.

Your assignment is simply to describe the distributions of the three quantitative variables. Do this for the entire class, and then comparing genders, comparing colleges, and comparing the eight gender x college categories.