

#### Week 4 in-class exercise

- (1) Break up into three small groups of equal size.
- (2) Each group should attempt to complete as many of the following problems as possible:
  - a. Problems:
    - Group 1: Chapter 7: #21, Chapter 8: #14
    - Group 2: Chapter 9: #21
    - Group 3: Chapter 9: #24
- (3) Go to "[whitlockschluter.zoology.ubc.ca/data/](http://whitlockschluter.zoology.ubc.ca/data/)" to download your data.
- (4) Start with the problem your group is assigned to present: discuss the problem and determine the appropriate tests.
- (5) Consult "[whitlockschluter.zoology.ubc.ca/r-code/](http://whitlockschluter.zoology.ubc.ca/r-code/)" for some simple instructions regarding the R code you will need.
- (6) Put together a short (5 min) presentation.
  - a. Present the problem.
  - b. Answer the questions.
  - c. Provide a step-by-step explanation of how you performed your test in R.
    - i. This presentation should be good enough that the rest of the class can take notes and duplicate your approach
    - ii. Keep it simple – only present the necessary steps.
- (7) Come up to the front and present your problem and solution.
  - a. Everyone come to the front.
  - b. Either have a spokesperson or take turns.