Reading Questions for "The Analysis of Biological Data", Chapter 14

[Submit your responses, by 1 am Thurs., Apr. 18, using the webform below.]

1. List the methods researchers use to reduce bias in an experiment, giving an example of each.

   List the methods researchers use to reduce sampling error in an experiment, giving an example of each.

2. Give an example of a two-factor experiment you think might produce interesting results.

   Identify the response variable, the factors, the levels of these factors you would wish to see included, and what interactions (if any) you might look for.

3. Are observational studies bad? How are they different from experiments?

4. Explain what matching is, in the context of observational studies.

5. Identify one item (a concept, a step in an example, a statement, etc.) from this reading assignment you found difficult or confusing.