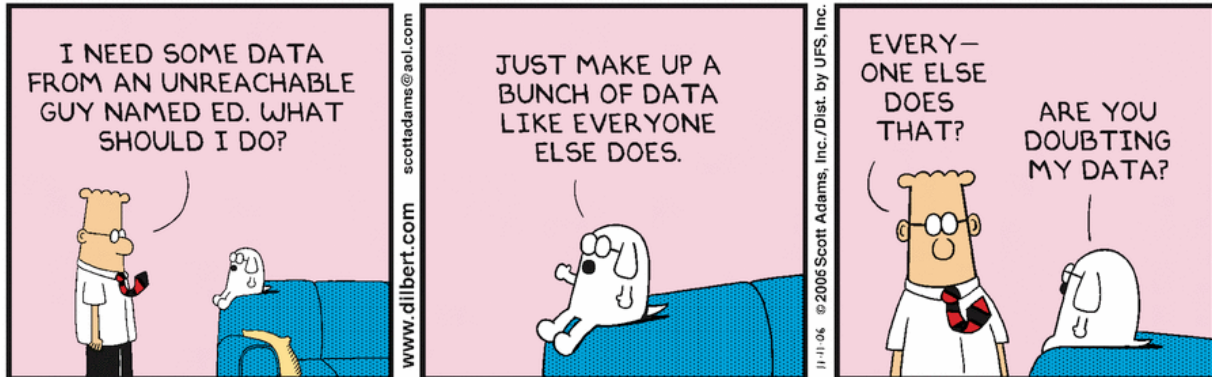


## Methods in Experimental Ecology II (PCB 6468)

### Exercise 10 – Analyzing your own data!

Due April 13, 2016



For your last exercise you need to find a **REAL** dataset (it can be from your own studies, other colleagues in the department, found on a paper or online). Based on what we have discussed this semester propose and carry out what you think is the most appropriate analysis. Because we are biologists and not statisticians, your analysis needs to be carried out within the context of a relevant *biological question* and include the formulation of clear *scientific hypotheses*.

1. Prepare a presentation to share your work with the rest of the class on Wednesday April 13 or Friday April 15. You must clearly explain what the question and hypotheses are, what data you obtained, what analysis you used and why, and what were your results and conclusions.
2. *Everybody must be present for all the presentations.* At the end of each presentation there will be time for questions and suggestions from the audience. Each audience member will then assign a grade to the presenter as we have done with previous exercises:
  - 5 – the analysis is accepted as is
  - 4 – the analysis could be accepted after minor revisions
  - 3 – the analysis could be accepted after major revisions
  - 2 – the analysis should be rejected
3. The final grade for each exercise will be the mean of all six peer evaluations. There is no need to create a written document or to resubmit anything after the presentations have taken place.