

To: B7932F07  
Subject: Final Exam

Here is the final exam, a group project with due date of 14 December.

Write a paper entitled

Generalized Linear Model Analysis in Ecology,  
in a format suitable for TREE.

The paper should include:

- A. General rationale for use of GzLM
- B. Field specific rationales (these can be from your field of research).
- C. Literature review documenting frequency of usage of GzLM in your field. le number of cases of use relative to number of papers examined.  
For the group project provide a graph of number of cases per year, perhaps broken down into subgroups.
- D. Using your presentations, supplemented with other data sets (from your field of research). compare the results of a GLM and GzLM analysis.

For each data set, summarize the advantages and disadvantages of the GzLM relative to GLM.

These can be presented in appendix form, the paper itself should list and discuss the advantages and disadvantages based on your collective experience. You will need to decide on a format for these, the 10 step recipe is far too detailed.

Besure to acknowledge the source of each data set.

- E. Choose a few exemplary data sets that:
  - illustrate the use of GzLM
  - illustrate an important advantage (or disadvantage).

Present these in a form suitable for TREE.

The document you submit will have to have only the names of 6 people registered for the course. The person who did an analysis should be clear in appendix.

You can use the 'auditor team' as sources of data sets. If they contribute a data set with comparison and with discussion of advantages and disadvantages, then you should acknowledge their contribution in the final exam document, thus establishing their contribution to a publishable manuscript.

We would then meet (6 registered + those contributing as above) to decide on submission of manuscript.

I must say I really enjoyed this course !!!!  
And I sure learned a lot.

David S.