

Bio 31: Literature Critiques

Critique should be typed and no more than one page

Your written critique should include the following points. Please number them on your critique.

1. What are the one or two central hypotheses being evaluated? Are they clearly stated?
2. Briefly summarize the experiments or observations that were used to evaluate the hypotheses.
3. What were the central results. Do the results support, refute, or fail to resolve the hypotheses?
4. Do you agree with the author's overall conclusions? Explain.
5. What are the most interesting implications of this study?

In addition to the questions above, be prepared to discuss the following issues.

- Do the experiments and observations allow a rigorous test of the hypotheses? Explain.
- If the hypotheses were supported, were there any possible results that would have falsified the hypotheses? Explain. If the hypotheses were supported, can you suggest any alternative hypotheses that could also explain the results?
- If the hypotheses were refuted, what alternative hypotheses could explain the results?
- Do the questions addressed in this paper merit further study? If so, what would be a logical next step?

See "Literature critiques" at course web site for electronic access to papers.

<http://www.dartmouth.edu/~bio31>