Course Project: Multi-scale modeling

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Background

ECOL 8910 aims to teach quantitative biology skills by demonstration and practice. The course project is a key component of the class. Students may select any data-driven or theoretical project that depends on the methods of multi-scaling model introduced in this course.

Teams

Class projects may be developed individually or in teams, but group work is strongly encouraged.

Timeline

A written proposal (including names of all team members, question or topic, and research plan) is due by **January 30**. This proposal must be approved by the instructors before work begins. A first draft is due **March 27**. The final paper is due on the last day of classes (April 26) and must be written as a reproducible workflow using R Markdown.

Assessment

A score of "excellent", "good", "comepetent" or "ineffective" will be assigned for each of the following.

1. Choice of project, topicality, and appropriate selection of methods
2. Was a multi-scale approach required to complete this project? Was the multi-scale aspect of the project executed well?
3. Sophistication of analysis
4. Teamwork
5. Professionalism and quality of the final product (figures, writing, etc.)