

Proposal Marking Scheme (10 points)

Due Friday, February 6, 2015

The proposal should be about 2-4 pages in length (about 4 pages double-spaced, or 3 pages one-and-a-half spaced is fine).

References to literature are okay, but the second project component will address this at greater length, so don't feel the need to include more than a handful of references.

Within the proposal you should outline the following:

Goal of the Project (2 points)

What are you aiming to accomplish in your project? Explain your goals either in relation to information I have presented in the lectures, or that we have discussed outside of class.

Choice of Data Set (2 points)

You should have a potentially interesting or challenging biological data set in mind that is relevant to the approach you will take. I encourage you to consult me beforehand about datasets that might be worth exploring.

- What data set will you use?
- From where will you retrieve it?
- Why is this data set interesting?

Choice of Method (3 points)

Describe (but be concise) the approach or set of approaches you will take.

- Why are these approaches appropriate to the problem?
- What considerations did you take into account when choosing this approach?
- Will you take advantage of existing software or libraries to implement your approach?

Analysis of Results (3 points)

- What form will your results take?
- Will you be comparing your results against other methods?
- How will you assess the significance of your results?