

Proposal requirements

Project proposals should be brief (ideally 1 page, 2 if necessary) and contain the following information:

Title

Introduction: Describe the problem you will solve, its biological motivation, and the anticipated benefits of the approach you propose.

Resources: What computing, software, and data resources will you require? Do you already have access to these resources? If not, how will you obtain access quickly so that you can begin the project, and when will you have access?

Methods: Describe the algorithm(s) you will apply or implement. Include details such as the sources of data and existing computational tools you will use or extend. If you are working on a project related to your existing research, explicitly describe how the project scope differs from your current research plans.

Anticipated results: Describe the type of outputs your algorithm will produce and how you will evaluate these outputs. To encourage ambitious projects, projects that produce negative results will not be penalized as long as they are planned, executed, and evaluated rigorously. During the course of the project you may change directions and produce different results than what you propose here, but it is important to think through the goals of your project and how you will judge success.

Related work: Identify and cite 2 or 3 related methods or existing algorithms you will use.

References

Submission

Submit your project proposal in PDF format to the following directory on the biostat server:

`/u/medinfo/handin/bmi776/proposal/<USERNAME>`

where <USERNAME> is your biostat user name. No late days are allowed for the project proposal.