

Homework Four, due Tue 2/21

CSE 250B

- Hand in your homework in hard copy.

The projects for CSE 250B are due on March 21. For this homework, you'll turn in a detailed project proposal. Here's what it should include:

1. Title
2. If you are developing and testing a new algorithm, you need to
 - describe your problem or application
 - briefly describe your approach
 - explain what kind of data you have
 - describe the baseline scheme against which you plan to compare your algorithm.
3. If you are doing an experimental comparison of some existing algorithms, you need to
 - describe the problem being solved
 - describe the algorithms you will be comparing
 - explain what data sets you have
 - explain your preconceptions about which algorithm will do better in what context.
4. If you are working on theoretical results, you need to
 - state your problem precisely
 - explain what results you hope to obtain if all goes well
 - explain what backup results you are confident you can obtain in any case.
5. If you are doing a literature survey, you need to
 - describe the area on which you will be focusing
 - list exactly which papers you will be reading
 - briefly describe the common theme under which you plan to unite these papers.

Some general guidelines:

1. Please, no joint projects with other members of the class.
2. The project will be evaluated chiefly on the basis of its machine learning content.
3. If your project overlaps with something you are doing for another class (or in some other context), you should explain this. In such cases, there should be a significant component of your project which is just for this course.
4. If you are unsure of what project to do, please see either Sanjoy or Sean.