Project Proposal Guidelines

Before you write up your proposal, please discuss your idea with Nathan or Graham during their office hours or on Piazza.

Your project proposal should be no more than two pages long, and should include the following information:

- Project Title: A descriptive title of your project.

- Group Info: List the names and email addresses of each member of your group. Groups should contain either two or three people. The default size is two; if you would like to form a group of three, please check Graham or Nathan first to make sure that the scope of your project is sufficiently large to warrant three people.

- Project Github: Please setup a GitHub to host your project and provide the link if public.

- Project Description: Briefly describe the goal of your project (i.e., what research question(s) are you trying to answer and what metrics will be used to evaluate its success?). Include a 100% goal (if all goes as expected), a 75% goal (what you can still accomplish of things go more slowly than expected), and a 125% goal (what you might accomplish if things go faster than expected).

- Logistics: Please address each of the following issues regarding how you will carry out your project:

    o Plan of Attack and Schedule: How will you go about completing your project? Please include a week-by-week schedule of exactly who in your group will be doing what. We will not strictly hold you to this schedule (other than meeting your milestone, as described below), but it is important that you have a concrete and realistic plan. Identify what you expect to be the critical path in your schedule. Indicate how the work will be divided among your group members.

    o Milestone: Indicate what your group plans to accomplish by Tuesday, April 11th (i.e., after four weeks). On that date, you will submit a brief report describing your progress up to that point. Your ability to set a reasonable milestone and to meet this goal will be factored into your final project grade.

    o Literature Search: What papers and other background materials have you collected so far to help you in your study? Are you missing anything?

    o Resources Needed: What software will you need to conduct your study? Do you have a copy of this software already? (If not, how will you get it?) What hardware or machines will you need to run this software? Do you have all of the resources that you need to conduct this study?

    o Getting Started: What work have you done so far on this project (other than writing up this proposal)? Do you have any questions or other constraints that are preventing you from getting started immediately?