

Project Proposal Handout

CS554: Data-Intensive Computing

Assigned: 09-11-2017

Due: 11:59PM 09-26-2017

Overview

A major component of your grade will be based on a project. The topic of the project will be chosen by the student(s), and will require possibly the implementation of a real/simulated system, a written report, and oral presentations. Based on the project ideas I discussed in the Brainstorming lecture, as well as those discussed at <http://www.cs.iit.edu/~iraicu/teaching/CS554-F17/proj/index.html>, you are to choose one of these topics, and expand it into a 3 page proposal (>1500 words).

Your proposal should include the following information:

- Title
- people involved (in case it is a group project)
- abstract
- background information
- problem statement
- related work
- proposed solution
 - clearly state the nature of the project (e.g. implementation of a real system, simulation, theoretical, empirical performance evaluation, survey, etc)
 - be specific about what techniques you plan to use, what existing software and systems you will use, etc
- evaluation: be specific with what metrics you plan to examine
- timeline with weekly goals
- deliverables
- conclusion
 - what do you think you will learn (keep it short)
 - be specific with what how you will evaluate if your project is a success
- references (use Google Scholar at <https://scholar.google.com> to find at least 5 formal references; web pages such as Wikipedia do not count as formal references)

I know this is a lot of material to fit in 3 pages, but keep text to a minimum, where you can keep it short and to the point. Also, you should use single spaced 10pt font, with 1" margins. If you cannot stay in 3 pages, feel free to make it longer to cover all the things mentioned above. Feel free to contact me or write on Piazza if you have any questions. Also, you should utilize my office hours as well as those from the TAs to meet with us in person and talk about your project. Please submit your proposal write-up via blackboard, by the deadline stated at the top of this assignment.