CS151: Final Project - Literature Review
Due: Friday Oct. 29 at 6pm

In this assignment, you'll find, read and summarize/review two articles related to what you would like to do for your final project. The goals of this assignment are to:

- Get you more exposure to and experience with current AI research

- Have you practice your CS research skills

- Learn how to critique and review research papers

- Help you find some background information for your final project

Part 1: Finding your literature

Your first task is to select the two papers you will read and review for this assignment (ideally related to the area you plan on investigating for your final project idea). To start with, find one paper that looks interesting. AAAI.org has all the different conference proceedings for conferences that are associated with their organization:

http://www.aaai.org/Press/Proceedings/proceedings.php

AAAI and IJCAI are good general AI conferences, but if you're looking for a particular subfield, read through the conference descriptions. You might also try searching using citeseer or Google scholar, however, please come talk to me if you go this route since the quality of the papers can be more varied. If you get stuck finding your first paper, come talk to me.

Once you have chosen one paper you should choose one more paper that addresses the same problem that the first paper addresses. My suggestion is to read and review the first paper, then pick the second paper.

In general, you want to track down related work through the following reputable sources:

- Papers referenced by other reputable papers (look at the citations in a given paper)

- Papers that reference other reputable papers. It's harder to "look forward in time", but it can be done. Google scholar and citeseer allow you to search for papers that reference specific other papers.

- People who have a reputation of doing good work in the area. You can assess the quality of a person's work by looking at where they publish their papers, how much their papers are referenced by others, and how much of the field their own papers reference.

- Reputable conferences and journals in the topic area. Feel free to contact me if you want to ask about a specific conference.

Using these techniques, find a second paper.

Part 2: Read and review articles

Write a critical review of each of the two papers. Each review should be around a page in length. Your review should include the following (*make explicit sections for each bullet*):

- What paper are you reviewing? Give the full reference.

- Summarize the work in 1 paragraph including: what problem are the authors trying to solve? what are this work's main contributions?

- Is this work technically sound? (i.e., How good is the solution? How convinced are you that it works? Are the evaluation methods appropriate?)

- Comment on the quality of the writing.

- What parts are confusing? How could the paper be improved?

For your review, be brief and to the point. Back your claims/comments using **specific examples** from the paper. *NOTE*, this is not a summary, this is a review. Your comments should be useful to both the authors (to improve the quality of the paper) as well as other researchers to understand the quality of the paper.

Submission

Submit your reviews as one single pdf document called *lastname_litreview.pdf* and put it in the dropbox.