

CS151 - Assignment 3

Due: Monday Oct. 4, beginning of class (in class)

For this homework, you will be reading a research paper of your choice from recent AAAI proceedings (Association for the Advancement of Artificial Intelligence) and then providing a review of the paper. For this first review, I'm going to constrain the set of papers to any in the "Constraints, Satisfiability, and Search" track for AAAI 2008 and 2010.

- AAAI 2010:
<http://www.aaai.org/ocs/index.php/AAAI/AAAI10/schedConf/presentations>
- AAAI 2008:
<http://www.aaai.org/Library/AAAI/aaai08contents.php>

AAAI is one of a number of places where people publish research on AI conferences (in particular, many of the subfields of AI have their own conferences where people frequently publish).

To pick a paper, look at the title and then also glance at the abstract to try and find one that is on a topic that is interesting to you. Before you finalize your selection, it is also worth quickly scanning over the paper to make sure that it won't be too technically challenging. Once you've picked a paper, read the paper thoroughly. Even though the papers are only 8 pages, this can take an hour or two. Then, write a brief review of the paper. 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
- 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.
- Did the paper convince you that they accomplished what they set out to do?
- 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.