

CMSI 677 ARTIFICIAL INTELLIGENCE
Spring 2009
Assignment 00 Reference Analysis (in class)

Assignment	Problems	Date Due
0a	Read: Goldsmith and Junker: Preference Handling for Artificial Intelligence. Answer the questions below.	13 JAN 2009
0b	Complete the analysis for next week.	20 JAN 2009

The purpose of this exercise is two-fold: to familiarize ourselves with critical reading of a research paper and to set the stage for continuing discussions throughout the semester.

Part 1: Take about 20 minutes to read Goldsmith and Junker's article

Goldsmith, J., and Junker, U. 2008. Preference Handling for Artificial Intelligence. *AI Magazine*, 29(4): 9-12.

Part 2: Then take another 15-20 minutes to formulate the following:

- A brief summary of the paper
- A short list of topics that are touched upon by the paper
- The specific contribution that the paper claims to make to the field
- A list of related questions, tasks, issues, or problems that are not covered by the work reported in the paper

Be prepared to share your findings with the class.

Part 3: Complete the following steps:

1. Observe the organization of the paper.
2. Observe the format of the references.
3. Observe where and how citations are inserted into the body of the paper.
4. The note in italics at the beginning of the paper is an abstract of the paper. What does it include? What does it not include? Consider among other points citations, reference, the main point of the paper, a summary of the paper.
5. Note how acronyms are introduced.
6. How are figures labeled? Does the figure label appear above or below the figure? Is the figure introduced in the text before or after the figure appears in the paper?
7. Does the author use personal pronouns, e.g., I, we, he, she, you?
8. What is the conclusion of the paper? Is there a conclusion?
9. This article mentions other articles in this issue and articles appearing elsewhere. What is the difference between the citations for articles appearing in this issue and articles appearing

elsewhere? Why is there a difference? Which are included in the "References" section at the end of this article?

10. The Netflix Prize is referenced on page 12 at the end of paragraph that begins on page 11. How is the prize cited?
11. Refer on page 12 to the paragraph which begins "In this issue..." Compare the citation of the French, Maule, and Pamamichail paper to the citation of the Tsoukiàs paper. How do these differ? Why do they differ?
12. Follow-up problem 1: Find an example of a preference-aware system. Identify how preferences are used in the system and where/how/which AI algorithms are used in the system.
13. Follow-up problem 2: Look up a topic discussed in this paper that is on your list from the last question in Part 2 above. Discuss briefly how the topic ties into this paper. For example, you might be interested in exploring a data mining tie-in or the Netflix prize and its tie-in.