

Homework 1

This homework will provide you with practice on analyzing research papers and extracting key pieces of information from papers without getting lost in the details.

First, you must get a paper copy of this paper:

<https://ezproxy.memphis.edu:3443/login?url=http://dl.acm.org/citation.cfm?id=2818859>

One was provided in class, but if you don't have that copy for some reason, feel free to make another.

For each paragraph in the paper, assign the paragraph one of the labels below (hand write on the paper copy):

- P - Problem. What is the problem that the tool aims to solve (top-level and sub-problem)?
- B - Background. What must we know about in order to understand the tool?
- T - Tool. What is the tool like? How does it work? From a user perspective? What key design decisions did the authors make? What was the rationale for those decisions?
- M - Evaluation method. How did the authors evaluate their tool?
- R - Evaluation results. What results and/or findings came out of the evaluation? Do the results support the authors' claims?
- D - Discussion. Did the authors discuss any interesting insights or implications for design based on their work?
- O – Other

The label should indicate the main type of information communicated by the paragraph. It is possible that a paragraph will communicate two types of information (e.g., "P/T" would indicate that the paragraph communicates both about the problem and the tool that solves the problem).

For the paper's abstract, apply the above labels to each sentence.

In addition to the above labeling assignment, you must also answer these question (again, hand write on the paper copy):

- Claims. What key claims did the authors make about their tool?
 - Where did you find them?
- Rebutter. How might this paper's finding be misleading or wrong?
 - How well are the claims supported?