The purpose of this assignment is to give students exposure to scientific writing in the computer and information sciences disciplines. Students will select a data mining article from an academic journal or conference proceeding. The article can be either theoretical or applied but must be published in an academic source (i.e. trade publications and news publications are not acceptable). If you have a question about a particular article, don’t hesitate to email me.

Task 1:

Students will first write a summary of their article and submit it to the designated assignment on Blackboard. Before writing the summary, it is critical that you read and understand the article. Give yourself ample time to read and digest the article before beginning to write the summary. The summary should include the following:

1. Introduce the reader to the research problem and state the overall goals of the research article in your own words.
2. Discuss the approach including the technical details of the problem and the proposed solution. This includes descriptions of the preliminaries of the problem and the algorithms or system used to solve the problem.
3. Discuss the validation methodology. Is the proposed approach compared with the state of the art or is the method applied in another scientific domain to find interesting results?
4. Discuss the results of the study.
5. Critique the study. What was done well and what could be improved? What is the future of the research?

Task 2:

Students will then prepare a PowerPoint presentation that gives an overview of the article. At the end of the presentation, students should pose a few thoughtful questions to the class to elicit discussion. Submit your slides along with your summary to the Blackboard assignment.