ECE5464 SP24 - Prof. Jones – Paper Review Assignment

Due Thursday, April 18, 2024 – 11:59 PM via Canvas

In this assignment you will choose a peer-reviewed technical paper in the area of Machine Learning, and write a review of it. You will first select a suitable technical paper, and then write a 3+ page review of the paper and submit it via Canvas. Your review is due on April 18.

Step 1:

Identify a journal paper, conference paper or patent in the area of Machine Learning. The paper should have been published in 2017 or later. The topic should be directly related to machine learning. The paper does not have to deal with a topic that we have covered or will cover in class. However, there are some restrictions:

- The paper should have been published in 2017 or later.
- The paper should not pertain to deep learning (convolutional neural networks, opponent models, recurrent neural networks, etc.) or large-language models. If you have ANY questions about the suitability of your paper, please email me for approval!
- Survey papers are acceptable.
- No magazine articles, blog posts, etc., are acceptable. This must be a peer-reviewed publication.

Step 2:

Write 3 or more pages reviewing the paper. Use Times New Roman 12-point font, 1.5 line spacing, normal margins. You may include diagrams or figures, but they don't count as part of your three pages. Other than the above, I don't care about format (in particular, you do NOT need to use IEEE format).

Your report should be a Word or pdf file containing:

- A brief statement of the reason for the paper;
- A good description of the technology, method, experiment or process being described;
- Your understanding of the results and conclusions;
- How this paper could benefit you; and
- Your critical review of the paper (conclusions well-supported? Clear description of the technology? Proper references? Is there enough information to use the results of this paper?)

Along with your review, attach either the paper itself or (if it is freely available) a link to access it.