Peer Review Literature Review
(Weeks 2, 5, and 8)

CLO: After successfully completing this course students will be able to assess the efficacy of the methods, results, and conclusions of scientific literature, and provide critiques of faulty elements in peer reviewed works

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In this assignment you will read and review an assigned peer-reviewed article. Read the article carefully, with a critical eye, and answer the questions in this provided worksheet. Submit your answers to canvas by Wednesday at 11:59pm.

Introduction
What is the hypothesis?

What is/are the prediction(s)?

Do you think that the introduction provides adequate background information to support their predictions? If so, what points are especially convincing and why? If not what information would you like to have seen?

Methods
Summarize the methods in a few bullet points or sentences.

Explain what do you like about the experimental design? Are the statistical methods appropriate? Why or why not?

Are there aspects of the experimental design or statistical analysis that can be improved upon? What about if the experimenters had unlimited time and resources?

Results
Summarize the results in a few bullet points or sentences.

Do the results support the hypothesis? Briefly, why or why not?

Discussion
Do the conclusions in the discussion match the results? Why or why not?

Summarize the conclusions and stated implications in a few bullet points or sentences.

Based on what you know, or based on potential flaws you found in the paper, do you personally agree with the conclusions being drawn based on the author's results? Why or why not? Do you think the authors made their case well?