

Name: _____

Homework #5: Ethics (5 points)

Due to Gradescope by 11:45 PM on Thursday, September 16th

You need to submit a pdf to Gradescope; failure to assign questions to pages will result in a 10% deduction on your grade

Homework Goal: Practice written communication and critical thinking concerning technological innovations and ethics in the modern world

In 101 you have been learning how computers are designed and used. In 102 you have been learning how to program. Another important topic to consider is the ethics surrounding technological development. Read this article about ethics in the computing world: <https://www.jstor.org/stable/resrep19966.11>. If you are having difficulties accessing that link, try this one: <https://www.jstor.org/stable/pdf/resrep19966.11.pdf>

After you've read the article, answer the following questions. For full credit, you should have at least five meaningful and grammatically correct sentences per response.

1. The opening paragraph discusses an algorithm that can be used to predict a cancer patient's survival chances. It also raises the questions associated with utilizing this algorithm. Think of another scenario where an algorithm can be utilized to help predict a situation. Discuss some of the ethical questions that are raised in your scenario. (2 points)
2. Many software services ask you to allow tracking of your usage and errors. This information can be utilized to improve products, but it also requires a lot of data collection. What is your opinion on this? Consider the questions posed in the Privacy and Data governance section of the reading. (2 points)
3. What do you consider to be the most important takeaway or most valuable thing you learned from this reading? What is most applicable for the field in which you intend to work? (1 point) [You don't need a full five sentences, but you should have at least two]