Project 1 – Ethics in A.I./D.S./M.L.

Description

Write a paper discussing some of the ethical issues surrounding the use of artificial intelligence (A.I.), data science (D.S.), and/or machine learning (M.L.) algorithms in the public sector, the private sector, or in academia.

- Establish a list of the 3 most important ethical principles that the use of such algorithms should abide by. Explain why you have selected each of these principles.

- Describe (at least) 2 real-life instances of the use of A.I./D.S./M.L. in the public sector, the private sector, or in academia, when the ethical principles you have chosen were violated; discuss how the failure to abide by your selected ethical principles have caused (or could cause) harm to individuals, organizations, countries, etc.

- Suggest how the projects discussed above could have been modified so that their use of A.I./D.S./M.L. algorithms would abide by your selected ethical principles.

Instructions

Your paper will contain between 2000 and 2200 words.

Provide appropriate sources, citations, and references.

Due Date: September 30, 2020, by midnight.

Grading Scale

(same scale for MAT 4376E and MAT 5314E)
- readability, flow, proper sourcing and citations: 3 marks
- principles and explanations: 3 marks
- examples and discussion: 3 marks
- suggested modifications: 3 marks

3: mostly correct
2: minor conceptual flaw
1: major conceptual flaw, or 2 minor conceptual flaws
0: too many flaws (minor or major)