

Ethical Use of AI Inquiry Project

Overview

For AI developers, grasping the subtleties of how pure data interacts with social considerations is fundamental to developing AI systems that are not only technically proficient but also ethically responsible, socially sensitive, and aligned with human values and societal norms.

In this inquiry-based project, you will explore the question: ***What are the roles of data and social concerns in the ethical use of AI?*** For your research, you will select three sources of information, they may be research papers, webinars, podcasts, or texts, from a credible source. The entire AI Ethics Project is worth 20% of your final mark. This project is to be completed on your own.

An overview of the project progression and project weightings is as follows:

1. Plan your inquiry (5% of project)
2. Source your resources (5% of project)
3. Create your paper (70% of project)
4. Plan your reflective presentation (5% of project)
5. Share your presentation (15% of project)

Learning Outcomes:

LO1: Analyze information from three distinct references to construct a comprehensive understanding of the role that pure data and social aspects play in AI uses.

LO2: Evaluate the ethical implications and responsibilities of using pure data in generative AI, based on findings from surveyed references, to develop a critical and ethical stance on its application.

LO3: Compare the viewpoints presented in the references regarding the balance between pure data and social considerations in generative AI, to identify common themes and divergent opinions.

LO4: Apply the insights gained from the references to propose practical guidelines for incorporating pure data in generative AI responses, ensuring a balance between data-driven accuracy and social sensitivity.

LO5: Create a coherent report that articulates the findings from the surveyed references, including a discussion on the role of pure data in generative AI, supported by evidence and examples from the literature.

Checkpoint #1 Planning

Instructions

Reflect on the following questions in preparation for your project on the ethical use of AI. Provide your written responses as a word document in the designated dropbox in LEARN by the specified due date.

1. Reflect on your current understanding of factual data's role in generative AI.
2. What specific aspects of the interaction between factual data and social considerations in AI are you curious about, based on your initial understanding? Identify at least one aspect and explain your interest.
3. After considering the topic, what role do you think facts should play in AI generated responses?
4. Identify three potential references that could provide valuable perspectives on the role of factual data and social aspects in AI. Your references may change over the next week before you finalize them. Use the [APA citation machine website](#).
5. Identify a topic you would like to explore. Possible topics for exploration include:
 - Pursuing truth with AI.
 - The role of factual data in generative AI responses.
 - Training AI to lie to hide inconvenient or unpopular data.
 - The role of social context in generative AI responses.
 - Balancing factual data and social context in generative AI responses.

You may pursue other topics relevant to the Ethical Use of AI. This checkpoint is a starting point to think about how generative AI constructs responses, and to choose an appropriate topic. You MUST choose your topic now, but this can change over the next week.

This checkpoint is a summative assessment. It is worth 5% of the Ethical Use of AI Project. Be sure to work against the assignment rubric.

Due date: September 7, 2024

Checkpoint 1 Rubric

Criteria	Met	Partially Met	Unmet
Reflection on factual data's role in generative AI responses (5pts)	Thoughtful reflection on the role of factual data.	Somewhat thoughtful response.	Thoughtless response, or no response given.
Identification of interesting aspects. (5pts)	Identified one or more aspects and explained the reason for interest.	Identified aspect, but no explanation.	No aspects identified.
Discuss the role of factual data. (5pts)	Thoughtful response on the role of factual data.	Somewhat thoughtful response	No response
Identify 3 resources. Cite in APA style. (5pts)	3 resources identified with proper APA citation.	Partial identification of resources, or partial citation.	Did not identify 3 sources, or no citation.

Identify topic of research. (5 pts)	Identified topic	N/A	Did not identify topic.
Total: /25			

Checkpoint 2: Information Gathering

Instructions

For this task you will finalize, document, and discuss your three resources for your project. You will submit a word document with your responses to the dropbox provided in LEARN.

For each resource you will:

1. Generate an APA citation using the [APA citation machine website](#).
2. Give a very brief (50 words or less) summary of each resource.
3. Explain the value of each resource to your topic.

Checkpoint 2 is worth 5% of the Ethical Use of AI Project.

Due date: September 10, 2024

Note: Be sure to work against the assignment rubric.

Checkpoint 2 Rubric

Criteria	Satisfied	Partially Satisfied	Not Satisfied
Finalize your three resources; cite in APA. (6 pts)	Three resources identified and cited.	3 unique resources but, not properly cited.	Less than 3 unique resources, and not properly cited.
Short summary of each resource. (9 pts)	Accurate short summaries	Inaccurate summaries, or less than 3 summaries but at least one.	No summary
Value explained. (5 pts)	Explanation of value for each given	Less than three value explanations but at least one.	No value explanations.
Total: /20			

Checkpoint 3: Processing Your Findings

Instructions

In this section you will process your findings from your resources and generate a paper on your findings. You will compare your research findings of your investigation. Your paper will:

1. Summarize your findings.
2. Compare and contrast your findings. Highlight similarities and differences.
3. Reflect on the inquiry process.
4. You will use APA style in generating your paper. The following is a [University of Wisconsin APA template](#) you are free to use and edit.

Exemplars are provided in the LEARN shell to guide you in style and substance. Be sure to work against the assignment rubric.

Checkpoint 3 is worth 75% of the Ethical Use of AI Project.

Due date: September 17, 2024

Research Paper Rubric

Criteria	Met	Partially Met	Unmet
Resource Findings (15 pts)	Thoughtful, clear concise summary of findings from all resources	Somewhat thoughtful, incomplete summary; key findings incomplete	Thoughtless response, unconcise summaries, incomplete summaries
Resource Analysis (15 pts)	Response is thoughtful, on topic and includes specific examples on the utility of the resources. Similarities and differences of the resources are clearly noted.	Somewhat thoughtful response; some explanation of the resource's utility. Some similarities and differences listed.	Thoughtless response; unclear on resource utility. Similarities and differences missing.
Topic Evolution (10 pts)	Description of topic understanding has evolved; what is still to be learned addressed.	Response meets one of two areas.	Response meets none of the two criteria.
Reflection (10pts)	Detailed reflection on the inquiry process as well as attitude on the role of facts in AI responses.	Response lacks thoughtful reflection on the inquiry process or on the role of facts in AI response	Thoughtless response on both areas.

Checkpoint 4 Presentation Mode

Instructions

Here you will share how you plan to share your findings with the class. You can create a video, a PowerPoint presentation, have a discussion, or something similar. You will present your final work in a 5-minute presentation. But here you are only going to detail how you plan to present. Your chosen mode of presentation will be communicated in a Word document to the designated dropbox in LEARN.

Checkpoint 4 is worth 5% of the Ethical Use of AI Project.

Due date: September 20, 2024

Presentation Mode Rubric

Criteria	Completed	Not Completed
Identify Mode of Presentation	Identified chosen mode of presentation.	Did not identify mode of presentation.
Total /10		

Checkpoint 5 Final Presentation

Instructions

You will give a 5-minute presentation to your classmates on your project findings. The mode of presentation is your choice: it can be a PowerPoint Slide Show, a video, a poem, a song, interpretive dance (just kidding), it's up to you.

Your presentation should answer the following:

1. Give a brief introduction to your topic.
2. Give 2-3 key findings from your research.
3. What would you like to research further.
4. Reflect on your position on the topic, has it changed?

Checkpoint 5 is worth 10% of the Ethical Use of AI Project.

Due date: September 27, 2024

Checkpoint 5 Rubric

Criteria	Met	Partially Met	Unmet
Topic Introduction (5pts)	Topic is introduced clearly. Choice of topic is explained.	Topic is somewhat clearly introduced. Topic choice is somewhat explained.	Topic is not introduced. Topic choice is not explained.
Key Findings (10 pts)	2-3 Key points are described clearly.	Fewer than two points are explained clearly.	Key findings not described
Further Research (10 pts)	Areas for research are clearly delineated with reason for further inquiry.	Areas for research are somewhat delineated or reason for inquiry is unclear.	Areas for research are not described.
Topic Position Reflection (10pts)	Evolution of position on topic is clearly described and explained.	Evolution of position is not clearly explained, or no rationale given.	Evolution of position is unclear with no rationale given.
Presentation Preparation (10 pts)	Well prepared	Somewhat well-prepared. Could work on time management, presentation quality, screen sharing, or managing chat could be improved.	Student is unprepared
Presentation Engagement (5 pts)	Student is enthusiastic, and content is suited to audience.	Student is somewhat enthusiastic, and content is somewhat appropriate for audience.	Student lacks enthusiasm, and content is not appropriate for audience.
Total: /50			