Enhancing Academic Integrity in the Era of Artificial Intelligence: An Innovative Approach

Presenter:
Andisheh Dadashi, Ph.D.
Assistant Prof. – Computer Science, Statistics, & Mathematics

OTEX
Spring 2024
Exploring the Intersections of Academic Integrity and Artificial Intelligence
WELCOME
Background

- Bachelor’s degree in Mathematics & Statistics, Mazandaran, Iran (2009)
- Master’s degree in Mathematical Statistics, Pune, India (2012)
- Master’s degree in Statistics, UNM-Main (2016)
- Full-time Visiting faculty, UNM-Gallup (2016-2019)
- Assistant Professor (Math, Stats, & CS), UNM-Valencia (Fall 2019-current)
- Ph.D. in Computer Science, UNM-Main (Spring 2024)
- Long-term goal: to educate NM students (minority) and conduct scientific research.
Enhancing Academic Integrity in the Era of Artificial Intelligence: An Innovative Approach
Importance of Maintaining Academic Integrity in Educational Settings

- Technological Advancements
- Plagiarism
- Remote Learning Challenges
- Contract Cheating
- Lack of Awareness or Misunderstanding
How to Address Challenges?

☐ Utilize Technology and tools
☐ Educate Students
☐ Educational Workshops
☐ Policy Updates
☐ Clear Guidelines
☐ Plagiarism Detection Tools
☐ Alternative Assessment Methods
Importance of Real-time feedback collection

- Immediate Identification of Misunderstandings
- Prompt Clarification and Support
- Enhanced Student Engagement
- Creation of a Supportive Learning Environment
- Data-Driven Adjustments to Teaching Methods
- Building Trust and Ethical Standards
Integrating Google Forms and QR Codes (AI-enabled tools)

- What are Google Forms and QR Codes?

- Step-by-step process:
  - Creation of Google Form (https://docs.google.com/forms/)
  - Generation and use of QR codes at the end of each lecture (https://www.the-qrcode-generator.com)
An example of a QR code
Questions Posed in Google Forms

Sample questions used in the form:

- "What were the most challenging points during today's class?"
- "What have you learned today?"
- A short question related to the lecture topic
- What questions do you have
Objectives, Benefits, and Impact

Objectives of these questions:
- Encourage student reflection
- Identify areas of confusion or difficulty

Educational benefits:
- Immediate feedback to instructor
- Follow-up with students
Conclusion

Key points:

- Leveraging AI Tools
- Enhancing Academic Integrity
- Interactive Learning

Call to Action:

- Encourage adoption of similar technologies
- Explore further AI integration in educational practices
Many thanks for your time.

I appreciate your thoughts.

andisheh@unm.edu