Embracing Artificial Intelligence in Social Work: Implications of AI in Education, Practice, and Ethics

NADD 2023 Fall Meeting
Presenters

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Agenda

❖ Introductions
❖ What is AI
❖ Positive Uses of AI:
  Possibilities in Education & Practice
❖ Ethical Issues and Solutions
❖ University-Wide AI
❖ Moving Forward: Suggestions
What is AI?

Digital systems, programs, or machines that can perform tasks previously achievable only through human reasoning, perception or reasoning (IT Chronicles, 2023)

Mimics human intelligence
AI in Higher Education
Difference?

Google
A roadmap through the information landscape

GPT
A teleporter to specific points of knowledge

Hmmm efficient, but is it effective?
We have all been using AI for years! Alexa, Siri, Grammarly, Scholarcy, etc.

Pre-GPT
We have been using AI for years – in and out of the classroom.

GPT
Let’s take it for a spin!
Reasons to Use

1. Assignment Scaffolder
2. Video Question Generator
3. Conceptual Understanding Generator
4. Diagnostic Assessment Generator
Video Comprehension Questions:

1. What is Jane Addams known for in American history?
   a) Being a successful businessman
   b) Leading the Progressive Era
   c) Starting the first settlement house
   d) Establishing the American Civil Liberties Union

2. What was the significance of Hull House?
   a) It provided medical care to poor families
   b) It served as a center for research and study
   c) It offered social services and acted as a college
   d) It advocated for women's suffrage

3. What was one of the important goals of Jane Addams and her colleagues at Hull House?
   a) Expanding settlement houses in Chicago
   b) Establishing safe areas for children to play
   c) Lobbying for progressive legislation
   d) Promoting the field of sociology

Answer Key:

1. b) Leading the Progressive Era (00:00:00 - 00:00:21)
2. c) It offered social services and acted as a college (00:00:50 - 00:00:51)
3. c) Lobbying for progressive legislation (00:07:25 - 00:07:47)
Title: Promoting Conceptual Understanding of Human Rights and Social Justice

Idea 1: Case Studies on Intersectional Injustices
- Present case studies that highlight the intersectional nature of injustices, such as racism, sexism, and economic inequality.
- Encourage students to analyze and discuss how these injustices impact individuals, families, groups, organizations, and communities.
- Emphasize the interconnectedness of various forms of oppression and the importance of addressing them collectively.

Idea 2: Critical Reflection on Power and Privilege
- Engage students in reflective activities that encourage them to critically evaluate the distribution of power and privilege in society.
- Prompt discussions on how power dynamics perpetuate social, racial, economic, and environmental injustices.
- Encourage students to identify and analyze their own positions of privilege and how they can use their privilege to advance human rights.

Idea 3: Collaborative Advocacy Projects
- Assign students to small groups and provide them with a real-world advocacy project focused on promoting social, racial, economic, or environmental justice.
- Guide students in researching, planning, and implementing their projects.
- Emphasize the importance of understanding the underlying concepts and principles of human rights while advocating for justice.

These ideas aim to support conceptual understanding by encouraging students to analyze, reflect, and actively engage in promoting human rights and social justice. By exploring real-world examples, critically evaluating power dynamics, and participating in advocacy projects, students can deepen their understanding of the topic beyond mere procedural knowledge.
Assignment Scaffolder

Take any assignment and empower students by breaking it down into manageable steps, fostering stronger understanding and enabling greater independence.

Grade level: College

Assignment Prompt:

Create a program within your field placement setting. You must have a problem statement, and do a needs assessment. Then you must evaluate the program with both summative and formative assessment strategies.

Scaffolded Assignment For Students:

In this assignment, you will create a program within your field placement setting. We will break down the task into smaller steps to make it easier for you to understand and complete. Here are the steps you need to follow:

Step 1: Problem Statement
- Start by identifying a problem or challenge within your field placement setting that you would like to address through a program.
- Write a clear and concise problem statement that describes the issue you want to tackle.

Step 2: Needs Assessment
- Conduct a needs assessment to gather information about the specific needs and requirements related to the problem you identified.
- Use appropriate methods, such as surveys, interviews, or observations, to collect data and gain insights into the needs of the target population.

Step 3: Program Design
- Based on the problem statement and needs assessment, develop a program design that outlines the strategies and interventions you will implement to address the identified problem.
- Include details on the goals, objectives, activities, and resources needed for your program.

Step 4: Summative Assessment
- Design a summative assessment strategy to evaluate the effectiveness of your program.
- This assessment should measure the overall impact and outcomes of your program.
- Consider using quantitative or qualitative methods to collect data and analyze the results.

Step 5: Formative Assessment
- Develop a formative assessment strategy to monitor and track the progress of your program during its implementation.
- This assessment should provide ongoing feedback and help you make necessary adjustments to improve the program.
- Consider using tools like checklists, rubrics, or surveys to gather information and assess the program’s effectiveness.

Remember, these steps are intended to guide you through the assignment and make it more manageable. If you come across any unfamiliar academic language, make sure to ask for clarification or refer to your resources for better understanding.
Social Work Practice Skills Assessment

Social work practice skills are essential for college-level students studying social work. This diagnostic assessment will help assess your current understanding of these skills. Read each question carefully and select the best answer from the options provided.

Assessment Questions:

1. Which of the following best describes the concept of empathy in social work practice?
   a) Understanding and sharing the feelings of others.
   b) Providing advice and guidance to clients.
   c) Advocating for social justice and equality.
   d) Developing treatment plans and interventions.

2. In social work practice, what does the term “engagement” refer to?
   a) The initial contact and building rapport with clients.
   b) The process of identifying and assessing client needs.
   c) The implementation of evidence-based interventions.
   d) The termination of the therapeutic relationship.

3. What is the primary goal of a social work assessment?
   a) To diagnose mental health disorders.
   b) To identify strengths and challenges of the client.
   c) To determine the effectiveness of interventions.
   d) To establish long-term treatment goals.

4. Which ethical principle is fundamental to social work practice?
   a) Autonomy
   b) Justice
   c) Non-maleficence
   d) Veracity

5. Which of the following is an example of a micro-level intervention in social work practice?
   a) Developing policies to address systemic inequalities.
   b) Providing individual therapy to a client.
   c) Advocating for improved community resources.
   d) Conducting research on social issues.
Explore & Create

Critical Thinking
- Evaluate Responses
  Encourage students to critically evaluate the responses generated by ChatGPT

Tutoring
- Tutoring Session
  A personal tutor for each student. The penultimate tool to facilitate learning

Creativity
- Innovative Solutions
  Ask them to use ChatGPT to design an innovative solution to a real-world problem
More

Expanding resources

News, opinions, and tools coming out every few minutes!

Padlet
Follow Heather Brown!

Heather’s Padlet ‘Resources on ChatGPT/AI in Education’ is the best resource to find out what’s happening in academia

Tools

Futurepedia.io

Easy to find tools and site is updated daily!
Thank You!
Reach out for more information.
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Ethical Use of AI: Knowing what questions to ask

- Modeling ethical practice
- Responsibility & Accountability: AI as a tool not a “boss”; own it
- Fairness (SW, client, professor, student, community…)
- Honesty, informed consent, transparency: e.g., referencing
- Privacy concerns
- Task-Specific AI
- Avoiding / Responding to Biases in AI
- IP practice: SWs and IT/Computer Scientists
- Updating policies, practices
- Evidence-based practice – how did AI get this answer?
Policies in BSW, MSW, PhD, DSW Programs

- For Professors
- For Students
- “Prudent, ethical, and responsible use” not just prohibitions or warnings
- Examples of policies
- Examples of assignments
- Allow for new ways of teaching and learning, and monitor (stimulate, don’t stifle)
- Know we will make mistakes, and need to learn (imagine)
Restrictive: Thou shalt not use AI

Expansive: Feel free to use AI as you wish (use your judgement)

Middle Ground: Some uses are ethical and responsible, others are not

Examples:
https://que.fas.harvard.edu/ai-guidance
https://ctal.udel.edu/advanced-automated-tools/
https://mcgraw.princeton.edu/guidance-aiChatGPT
University AI Initiatives at University at Albany, State University of New York

ai+: Artificial Intelligence at UAlbany

Global Center for AI in Mental Health
Resources

- All Tech is Human. (n.d.). https://alltechishuman.org/
- Human services Information Technology association (husITa). (n.d.) https://www.husita.org/
Open Classroom | Bridging Bytes & Bonds: The AI Transformation in Social Work

♥ Tuesday, November 14, 2023
© 12:30 am - 1:30 pm, Central, Virtual

Register here
AI in the Social Sciences Open Classroom Series

Write Effective ChatGPT Prompts to Boost Research Productivity (Part I) – YouTube

Write Effective ChatGPT Prompts to Boost Research Productivity (Part 2) - YouTube

Super-intelligence, Frankenstein, and Post-humanism: AI Ethics Beyond Data and Algorithmic Bias - YouTube

Applications of AI and Big Data Analytics in Obesity Research - YouTube

Artificial Intelligence: Implications for Social Equity and Bias – YouTube

Artificial Intelligence For Everyone – YouTube

Artificial Intelligence: Applications, Promises, Pitfalls, and Misperceptions - YouTube
Online Advanced Certificate Program

Washington University in St. Louis
BROWN SCHOOL

Artificial Intelligence Applications for Health Data

Sign up here