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10-4-2024

AI Assignment Repositories: Peer-Generated Teaching Activities You Can Actually Use

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AI Assignment Repositories

Peer-Generated Activities You Can Actually Use

FTTC 2024: Focus on Teaching and Technology Conference
Friday, October 4th, 2024

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Share your ideas on Padlet:

What are some of the challenges of developing teaching materials that prepare students for a world with generative AI?

These can be logistical challenges that you face as an instructor, or big-picture challenges about your field.

Post as many times as you'd like!

https://padlet.com/tilghman/FTTC2024

A Campus Partnership

Online Repository: Generative AI Teaching Activities

- Hosted by WashU Libraries **Open Scholarship Institutional Repository**

- Contains teaching materials created and used by WashU faculty and instructors

https://openscholarship.wustl.edu/communities

Submission Steps

1. Create an account at https://openscholarship.wustl.edu
2. Access Submission form for /ai_teaching (Generative AI Teaching Materials)
3. Agree to Submission Agreement Terms
4. Complete Submission Form
   - Describe activity
   - Categorize activity
   - Upload materials
   - Select licensing
   - Submit for review
5. Administrator reviews and posts activity, updates site
   - Activity is now live!
   - Submitter is notified if email was included.

Metadata Fields

- Title (req)
- Author (req)
- Date Uploaded (req)
- Activity Source (original or reference) (req)
- Summary (1-2 sentences) (req)
- Extended Summary *(optional)*
- Student Learning Objectives *(optional)*
- Keywords (req)
- Assignment Type (req)

- Course Level (req)
- Used in course? (Yes/No) (req)
- Disciplines (req)
- Student-AI Collaboration (req)
- Type of Task (req)
- Upload File (req)
- Additional Files *(optional)*
- Uploader/Author Affiliation (req)
- Creative Commons License (req)
- Notes to Administrator *(optional)*

Viewing the Collection

https://openscholarship.wustl.edu/ai_teaching

- Generative AI Teaching Materials

- Grouped by year with subjects and summary displayed (custom display)

Jump to:

2024 ⌄

Teaching Activities from 2024

📄 PDF   Activity: Students find conceptual errors in AI output, Janie Brennan

Chemical Engineering | Chemistry | Engineering | Mechanical Engineering | Physics

Instructor asks ChatGPT questions related to a key concept to find one where ChatGPT has conceptual errors. Ask students to find the errors and explain them.

📄 PDF   Does AI Ask Good Questions? A Discussion Activity, Katherine Tilghman

Arts and Humanities | English Language and Literature | Feminist, Gender, and Sexuality Studies | Philosophy | Reading and Language | Spanish and Portuguese Language and Literature

Students will prompt ChatGPT to generate discussion questions about a course text or

Browsing the Collection

- Generative AI Teaching Materials Collection

- Browse/Filter by the submission fields

This collection contains teaching materials created and used by faculty and instructors at Washington University in St. Louis. The materials are based on using AI (Artificial Intelligence) as a teaching tool. The collection was developed by the Center for Teaching and Learning.

Follow

Browse the *Generative AI Teaching Materials Collection*:

Generative AI Teaching Activities

Generative AI Teaching Activities by Filters

- AI Teaching Materials: Filter by Assignment Type

- AI Teaching Materials: Filter by CC License

- AI Teaching Materials: Filter by Course Level

- AI Teaching Materials: Filter by Discipline

- AI Teaching Materials: Filter by Type of Student_AI Collaboration

- AI Teaching Materials: Filter by Work Type

Downloads and Usage

- Public download map

- Administrator access:
  - View by Institution or Country
  - See where users were referred from
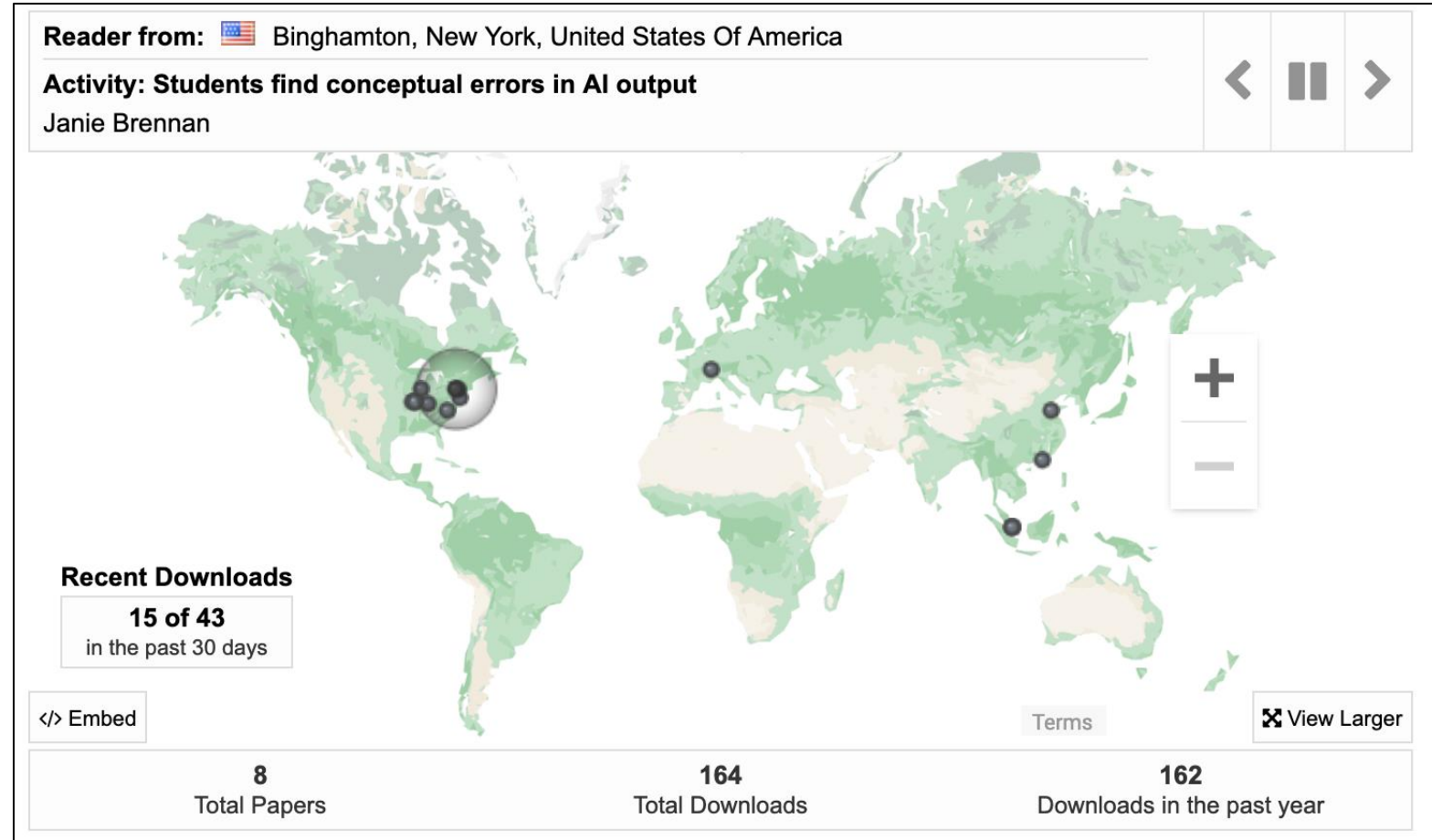
Sample Item from Collection

- Teaching Evolutionary Principles with AI Image Generators

- https://openscholarship.wustl.edu/ai_teaching/3/

Activity:

1. Create a 3x3 grid of an organism of choice (e.g., birds) (left). Each box in the grid will be labelled Species A-I (right). Students can be creative by selecting different artistic styles or other components.

   Prompt: Create a 3x3 grid of different birds in the style of Van Gogh

Species A	Species B	Species C
Species D	Species E	Species F
Species G	Species H	Species I

2. Identify 5 traits among the organisms in the grid.
3. Species
   a. *In this example, possible traits could include beak length (long/short), wing/breast/head/tail colouration, striped wings, number of talons, etc.*
4. Assume that the **outgroup** does not possess any of the traits above.
5. Create a table of trait absence/presence among the species (absent = 0, present = 1)

Challenges of Faculty Engagement

Challenges of Faculty Engagement

- Unfamiliar platform

- Lack of confidence in AI-related work

- No culture of sharing teaching materials

- Competing for time and attention

- Does it Count?

What strategies have worked on your campus to boost faculty engagement?

How can you see yourself implementing the strategies we've mentioned so far?

Thank you!

Check out the repository online:
https://openscholarship.wustl.edu/aiteach

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