

# Generative Artificial Intelligence in Measurement and Education

# Introductions

## Executive Board

- ▶ Chair: Chris Ormerod
- ▶ Co-chair: John Whitmer
- ▶ Secretary: Maggie Beiting-Parrish

## Members in attendance

Introductions:

Name

Organization

What you can contribute and/or learn.

# Meeting Norms

- ▶ Punctuality & Agenda
- ▶ Confidentiality of ideas and resources shared.
- ▶ Attribution and credit for work
- ▶ Collaboration and mutual support.

# Overview of GAIME

## Charter

We seek to create an intellectual home within NCME for researchers interested in:

- ▶ Item Generation
- ▶ Automated Scoring of open-ended Items
- ▶ Formative Feedback

## Update the Status

Executive committee has agreed to put the matter to the full board at the July 21 meeting. Summary of points raised:

- ▶ How the GAIME SIGIMIE will be distinguished from the Big Data in Educational Measurement SIGIMIE.
- ▶ How to leverage NCME website infrastructure.

## Outline the Benefits

Coordinated Sessions, NCME resources, collaborations.

# Brainstorm

## Speaker Series

- ▶ Foundational Research.
- ▶ Measure service implementation.
- ▶ Involving non-measurement industry.

## Literature Review and Synthesis

## Research project Collaborations

## Promotion of Events and Resources

## Dicussion

# Initial Tools

## Website

<https://github.com/christopherormerod/gaime>  
awaiting NCME Approval for domain name

Generative AI in Education and Measurement

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### Home

Welcome to the (proposed) Special Interest Group on Generative Artificial Intelligence in Measurement and Education (GAIME) with the [National Council of Measurement in Education](#). Our goal is to serve as an intellectual home for data scientists and psychometricians interested in the application of AI to measurement and education.

A draft of our charter can be found [here](#).

Interested in joining us? The signup form can be found [here](#). We currently hold monthly meetings and are organizing a speaker series.


# Initial Tools

## Zotero Group :

[https://www.zotero.org/groups/5034711/llms\\_for\\_edu](https://www.zotero.org/groups/5034711/llms_for_edu)

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


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## LLMs for EDU

[Group Library](#)

**Recently Added Items**

Title	Added By	Date Modified
 <a href="#">Is ChatGPT a Good Teacher Coach? Measuring Zero-Shot Perform...</a>	<a href="#">JohnWhitmer</a>	<a href="#">6/9/2023, 10:40:14</a>
 <a href="#">Authentic assessment: creating a blueprint for course design</a>	<a href="#">JohnWhitmer</a>	<a href="#">6/8/2023, 20:00:48</a>
 <a href="#">EU-U.S. Terminology and Taxonomy for Artificial Intelligence</a>	<a href="#">JohnWhitmer</a>	<a href="#">6/5/2023, 09:44:14</a>
 <a href="#">How AI Could Save (Not Destroy) Education   Sal Khan   TED</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/30/2023, 17:43:07</a>
 <a href="#">Awesome-LLM</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 15:36:43</a>
 <a href="#">Validity Arguments Meet Artificial Intelligence in Innovativ...</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 12:59:05</a>
 <a href="#">Validity Arguments Meet Artificial Intelligence in Innovativ...</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 12:58:44</a>
 <a href="#">Validity Arguments Meet Artificial Intelligence in Innovativ...</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 12:58:15</a>
 <a href="#">FATE (Fairness and Transparency) Hits the Mainstream: UK's S...</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 12:57:17</a>
 <a href="#">Sabidá: Portuguese Large Language Models</a>	<a href="#">JohnWhitmer</a>	<a href="#">5/25/2023, 12:30:34</a>

[Owner:](#) [JohnWhitmer](#)

[Registered:](#) 2023-04-20





[Type:](#) Public

[Membership:](#) Closed

[Library Access:](#) You can only view

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### Members (4)



See all 46 items for this group in the [Group Library](#).

# Initial Tools

▶ Github Repo :

<https://github.com/christopherormerod/gaime-example-code>

awaiting NCME Approval for domain

▶ OSF Project Site



# Guidelines for Fair Use

We need clear guidelines moving forward regarding fair and appropriate use of generative AI:

- ▶ Validity and Reliability
- ▶ Fairness
- ▶ Privacy and Security
- ▶ Accountability and Transparency

See <https://duolingo-papers.s3.amazonaws.com/other/DET+Responsible+AI+033123.pdf>

## Meeting Close

Any final thoughts?