

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

[Home](#) [About](#) [Open Datasets](#) [Events](#) [Literature](#)

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

zotero

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


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LLMs for EDU

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Recently Added Items

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

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

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





[Type:](#) Public

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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?