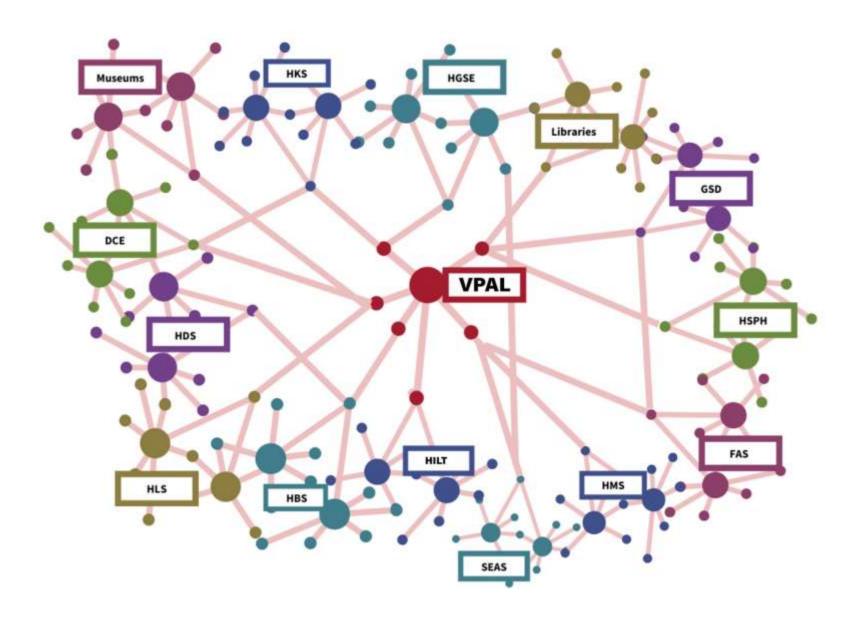
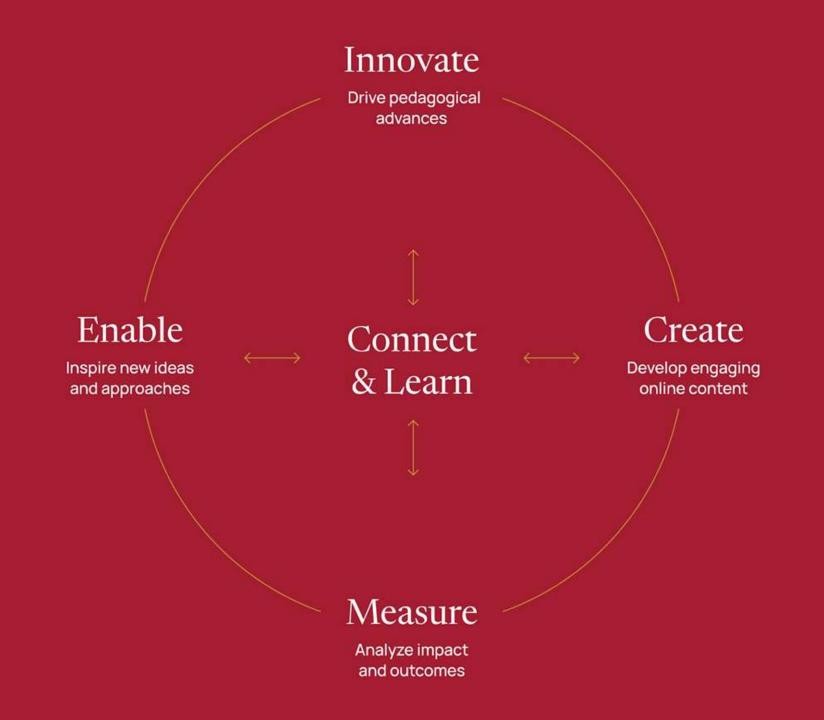
Generative AI: Active & Case based learning

Introduction

- Director of Multimedia Development and Production, VPAL
- Oversee team of 14 creatives
- Produce video and media for online learning programs for global audiences.







Interview 60 Harvard faculty on how they addressed the challenge of Generative AI in their teaching and learning this year.

The Challenge (for the project)

01

What was one challenge you addressed?

02

What was the innovation?

03

What was your takeaway?

01

60 faculty

02

Short turnaround

03

Limited staff & budget

Give me an analogy to what it's like getting 35 Harvard faculty to agree to being interviewed for a series of short videos on how they used Generative AI in the classrooms and to do this in three week's notice.



Getting 35 Harvard faculty to agree to be interviewed for a series of short videos on their use of Generative AI in classrooms within three weeks is like herding 35 brilliant but busy cats through a complex maze while balancing on a tightrope. Each cat represents a faculty member with their own schedule, priorities, and ideas, and the tightrope represents the narrow timeframe. It requires exceptional coordination, communication, and a bit of agility to get them all aligned and moving in the same direction without falling off balance.



Give me another analogy on the same idea but include they have to be succinct in their explanations and give examples of their work.



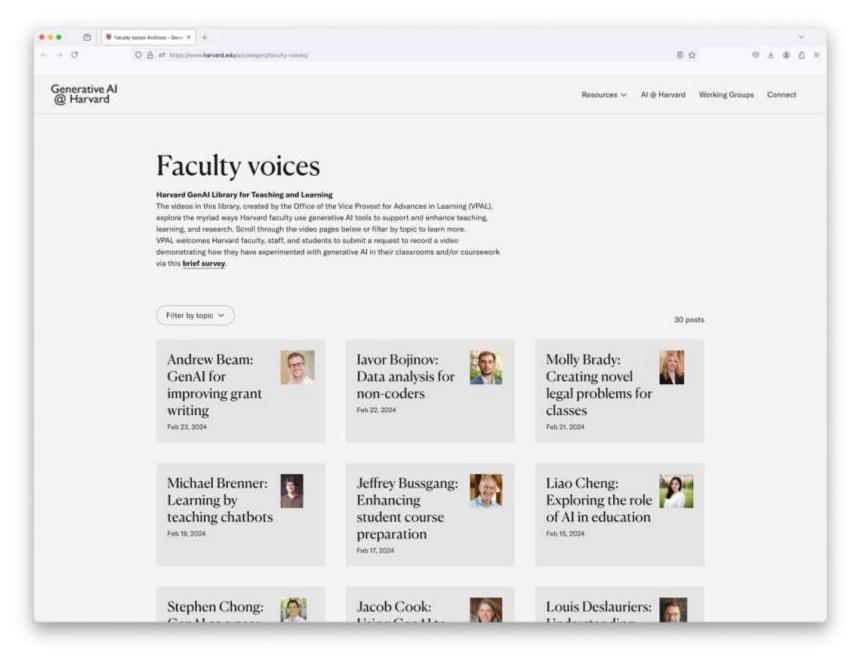
Getting 35 Harvard faculty to agree to be interviewed for a series of short videos on their use of Generative AI in classrooms within three weeks, ensuring they are succinct in their explanations and have examples to show, is like orchestrating a symphony with 35 virtuoso musicians who each play different instruments. Each musician is incredibly talented but has their own schedule and style. You have to not only get them to show up on time but also to play their part perfectly in harmony, hitting the right notes precisely and clearly, while illustrating their musical points with compelling solo performances. It takes impeccable coordination, clear direction, and a keen ear for detail to ensure the final performance is both coherent and impressive.

HARVARD'S OFFICE OF THE VICE PROVOST FOR ADVANCES IN LEARNING

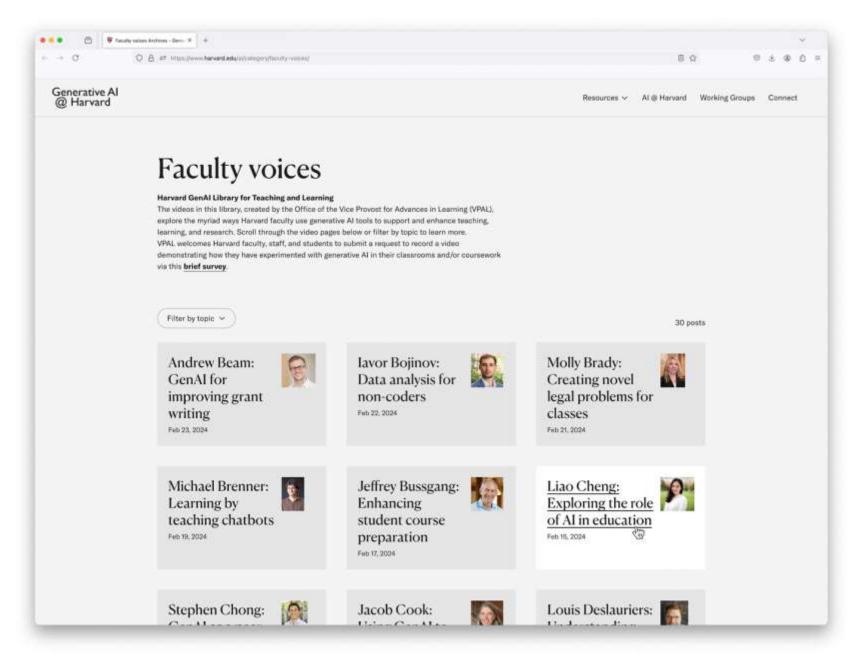
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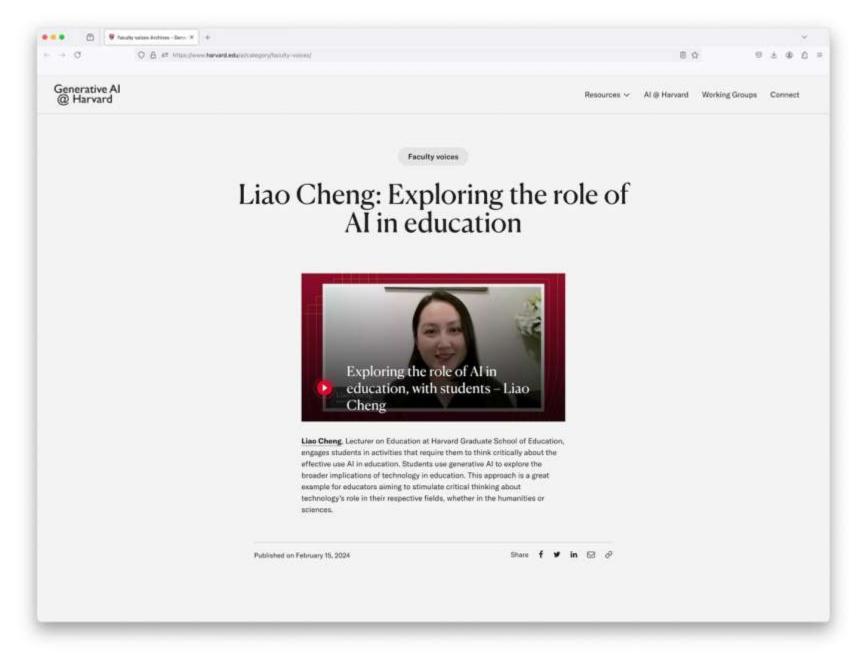
The Outcome (for Harvard)



The Outcome (for Harvard)

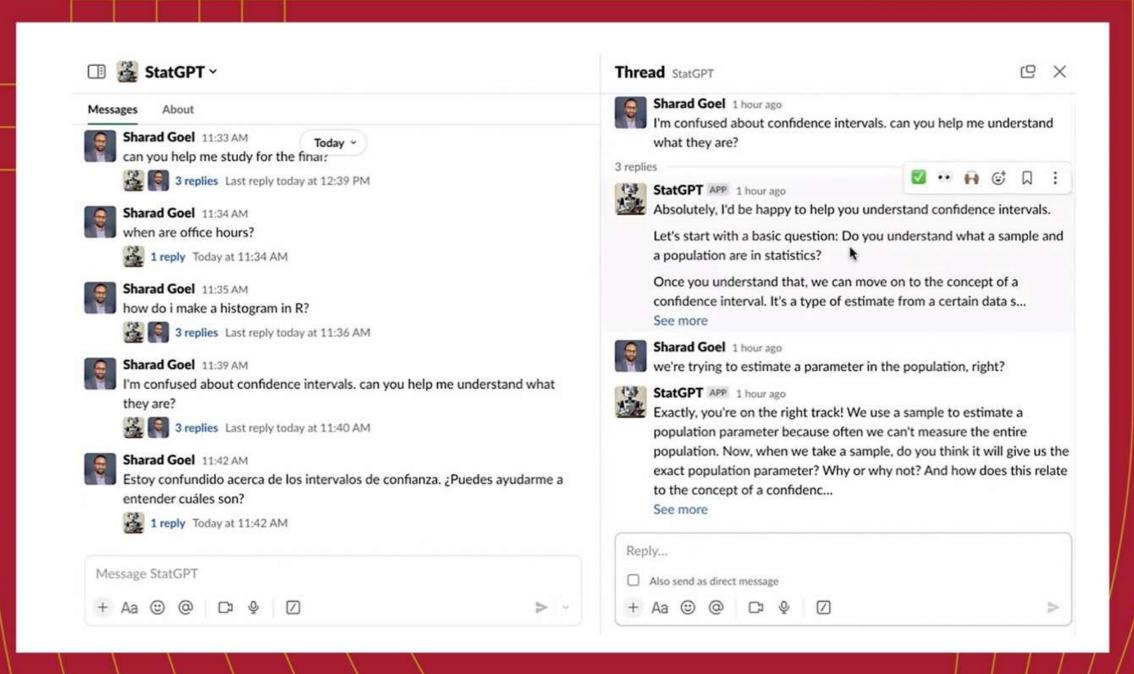


The Outcome (for Harvard)



Sharad Goel: Building an Al Slackbot to tutor students

Feb 6, 2024



Richard Schwartzstein: Enhancing analytical reasoning



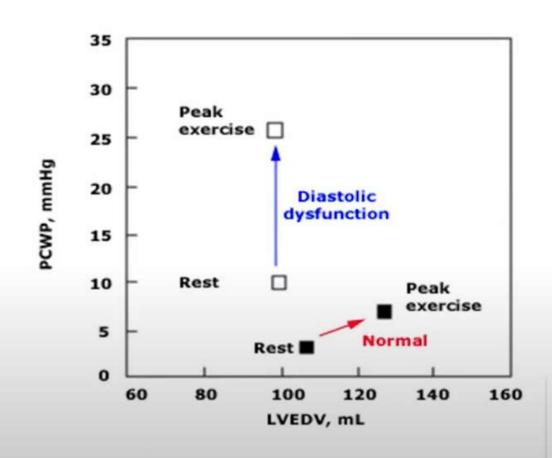
Jan 22, 2024

ChatGPT

- Based on the patient's history, physical examination, and symptoms, the most likely diagnosis is chronic obstructive pulmonary disease (COPD) with possible exacerbation. The patient's long-term history of smoking, asthma, and gradual onset of shortness of breath over 2 years, as well as his wheezing and decreased air movement on lung examination, suggest COPD. The sensation of "suffocating" and "urge to breathe" could be due to hypoxia and hypercapnia, which are common in patients with COPD. The mild increase in the AP diameter of the chest could also be due to hyperinflation of the lungs, which is a characteristic finding in COPD. The patient's obesity, hypertension, and mild diabetes may be comorbidities that can worsen his COPD. The S4 heart sound and JVP elevation suggest possible right-sided heart failure due to pulmonary hypertension, which can occur in severe COPD. Further testing, such as pulmonary function tests and imaging, may be necessary to confirm the diagnosis and assess the severity of the disease.
- Wrong answer!! And wrong reasoning!!

Correct Answer: Diastolic Dysfunction

- 1/3 of cases of CHF are due primarily to diastolic dysfunction
- Failure of LV to accommodate increased volume load
- Symptoms often isolated to exercise



Adam Rodman: Enhancing the decision-making processes



Jan 26, 2024

Case Aliquot 1

History of the Present Illness:

A 35-year-old man with no known past medical history was referred to the emergency department from neurology clinic for low blood pressure and tachycardia. What follows is a timeline of his symptoms and multiple emergency department visits that occurred prior to his current ED presentation.

Case Aliquot 1

Three and a half months ago, he was in his usual state of health when he developed sinus fullness that was associated with vertigo and hearing loss. He went to a local hospital's emergency department and was referred to a specialized eye and ear infirmary where he was found to have mild right greater than left end-gaze bilateral nystagmus without dysmetria. Audiogram results consistent with acute bilateral otitis media. An MRI showed fluid in the middle ear and mastoids bilaterally. He was discharged on augmentin and meclizine. For the next two weeks, he continued to have difficulty with his balance and gait and had to walk using a walker.

Case Aliquot 1

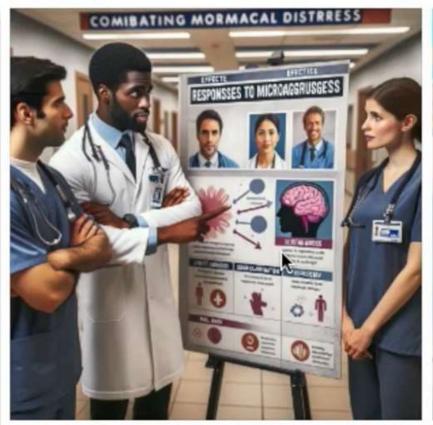
Eight weeks ago, he had a follow-up appointment with ENT where audiogram was repeated and showed "profound hearing loss bilaterally" with "inconsistent responses". He was started on a prednisone taper starting at 60 mg prednisone for 14 days.

Six weeks ago, he completed the two-week long prednisone taper with no improvement. He underwent bilateral myringotomy with tympanostomy tube placement with minimal changes to his symptoms.

Daniele Olveczky: Using GenAl images as teaching tools



Jan 30, 2024



depict's diverse group of healthcare professionals engaged in a constructive

and symbols representing emotional and cognitive well-being.

discussion, with visual elements emphasizing strategies to address microaggressions.

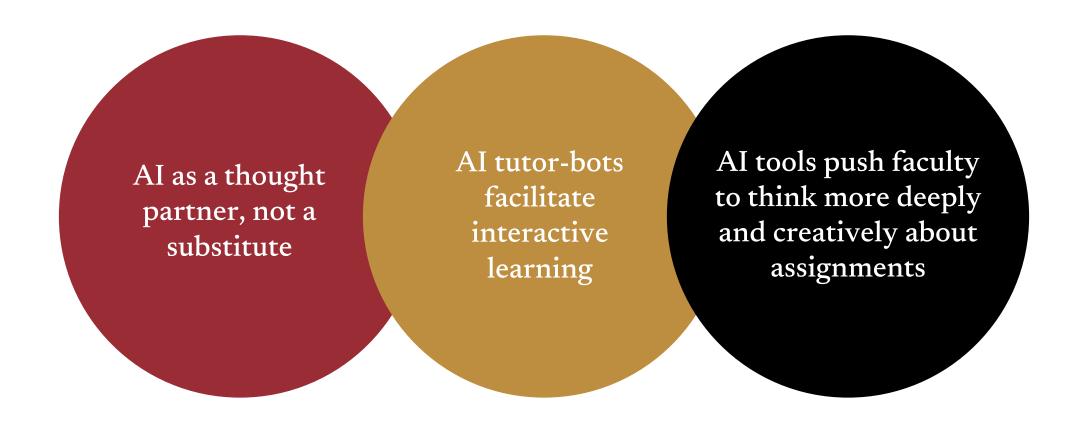


Mitchell Weiss: Using GenAl to practice solving real-world problems



Jan 13, 2024





Know where Generative AI is good, and where there are gaps. And those gaps are where medical schools and the University writ large can play a role as experts."

– Marc Succi,

Professor of Radiology, HMS



We should not imagine students just know how to use the tools...but we should be confident that together they can help each other elevate their skillset on this front."

- Mitch Weiss,

Professor of Management Practice, HBS



It's more important to think about these new technologies in the context of something that is not new...the essence of education doesn't really change, but new technologies help us revisit and reflect."

Liao Cheng,

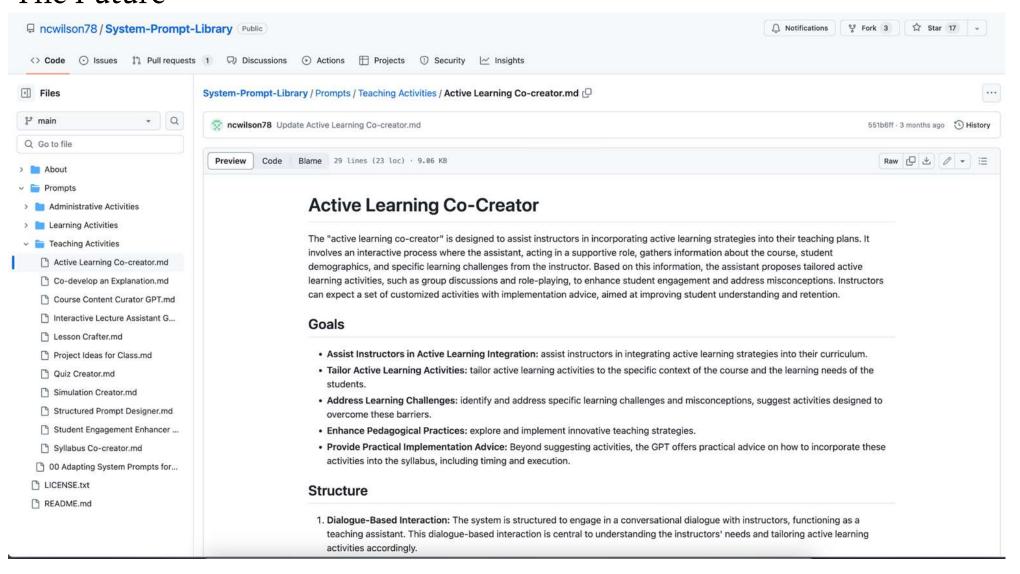
Lecturer on Education, HGSE

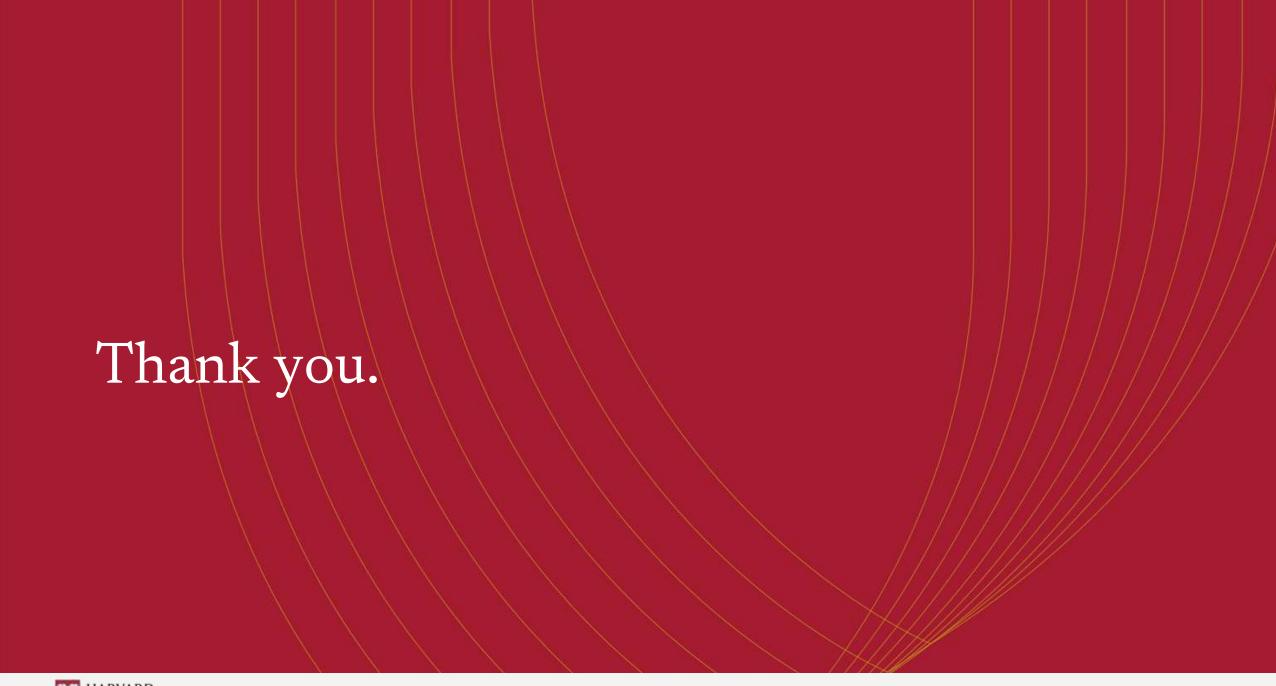
The Future



- Continued exploration of frameworks for effective pedagogies
- System prompt library

The Future





The Future of Teaching and Learning at Harvard