

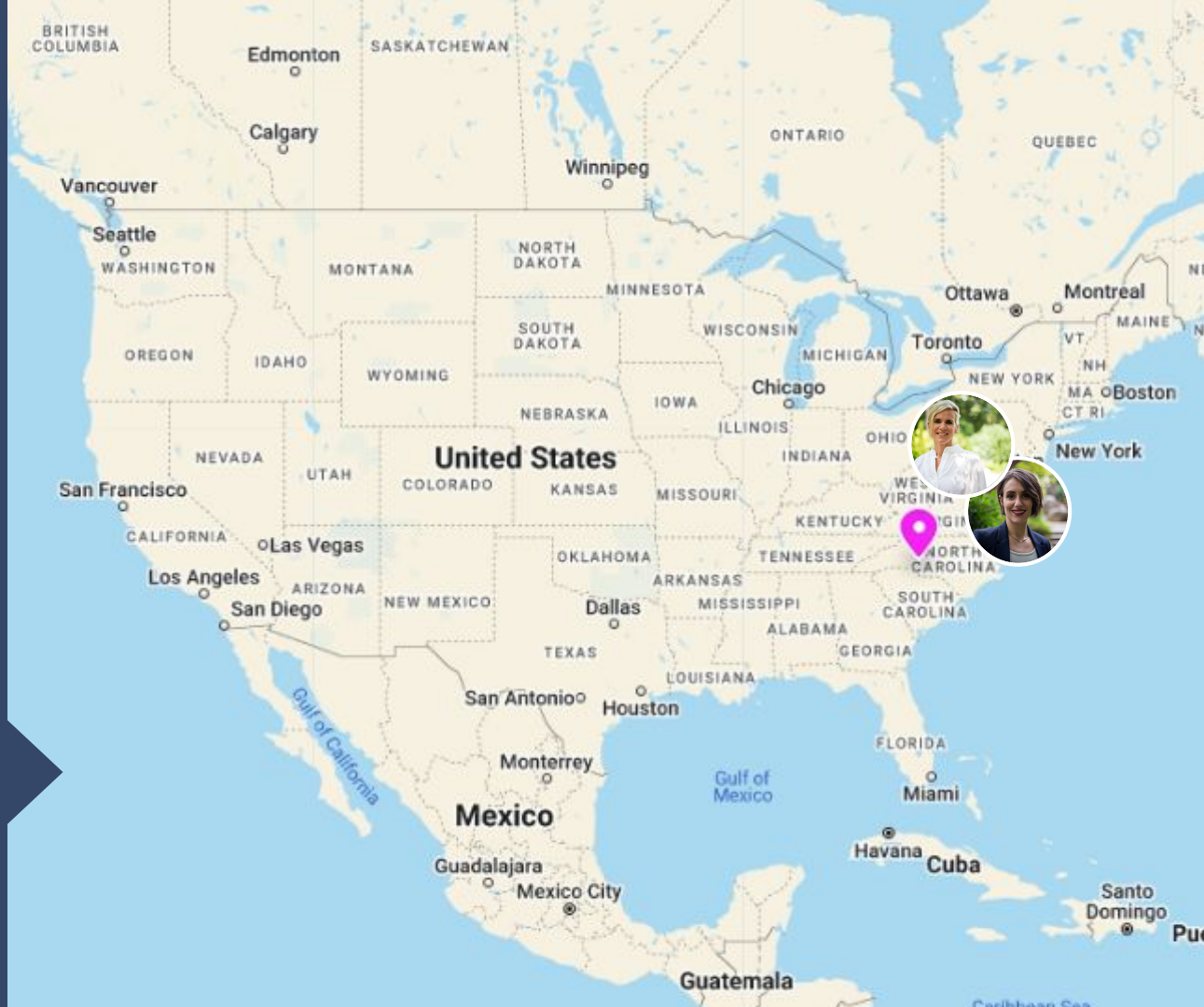
# Who's in the room?

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[Padlet Interactive Map](#)



# ID Summit:

## AI as an Instructional Design Associate

Jordan Register | Heidi Echols

UNIVERSITY OF NORTH CAROLINA  
**CHARLOTTE**  
CENTER FOR TEACHING AND LEARNING



 **OLC Innovate™ 2024**  
EDUCATION REIMAGINED

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CONSORTIUM

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Who's in the room?

[Padlet Interactive Map](#)

# Agenda

- **Session Goals**
- **ID Models**
- **AI Augmented ID processes**
- **The ID Role**
- **Action:** AI Augmented ID models




# Goal

Augment your instructional design model by including generative AI.







*“Some people call this artificial intelligence, but the reality is **this technology will enhance us.***

*So instead of artificial intelligence, I think we’ll **augment our intelligence.**”*

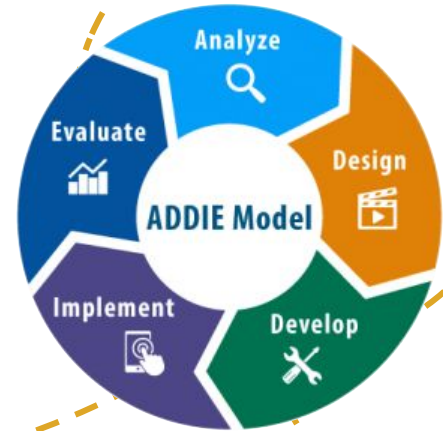
**–Ginni Rometty**



# ID Models

# What **Instructional Design Model(s)** do you use?

ADDIE Model  
Kemp Design Model  
SAM Model  
Dick and Carey  
Backward Design  
Universal Design



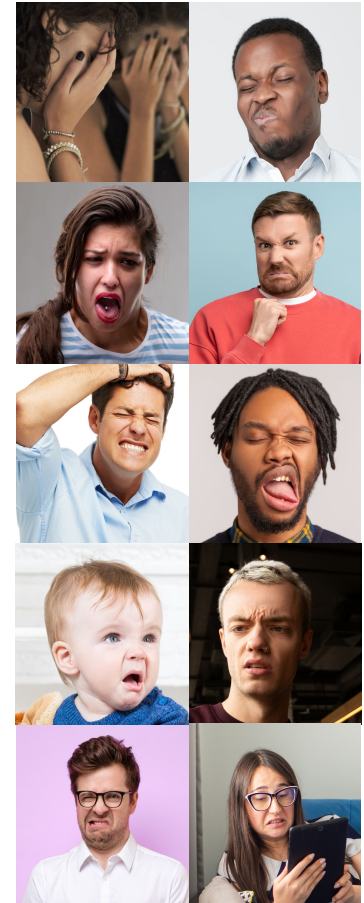


What Instructional Design Model(s) do you use?

**What do you *loathe* about them?**

i.e. What aspects would you like to **replace?**

**augment?**

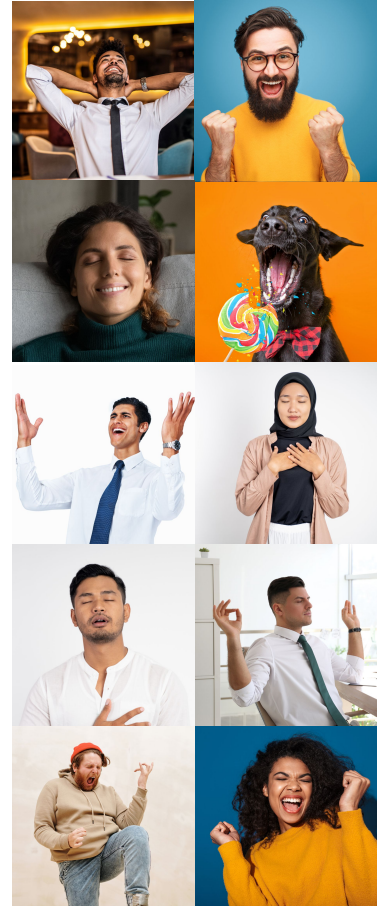


What Instructional Design Model(s) do you use?

Can you use **Generative AI**

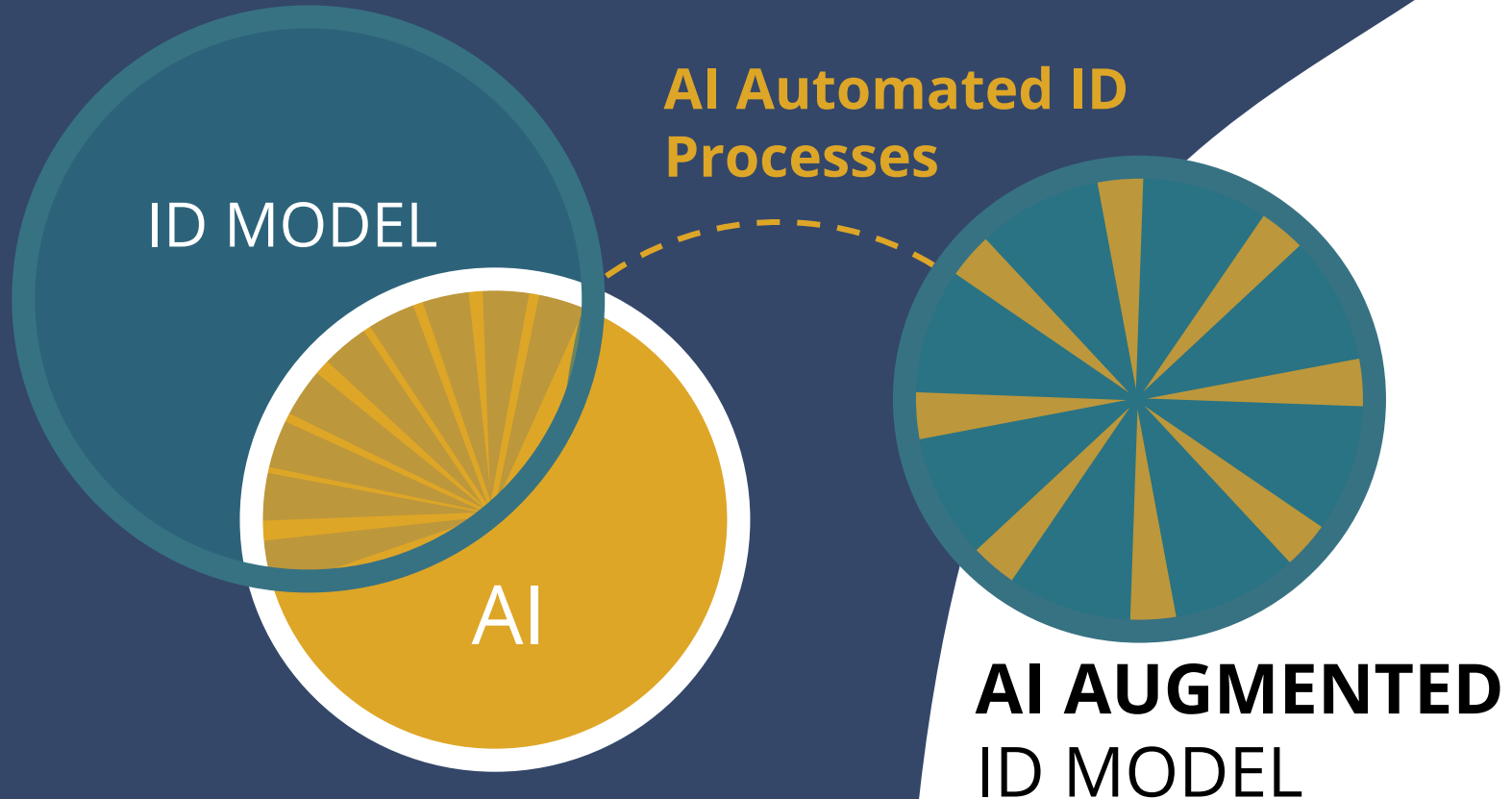
to **replace?**

**augment?**

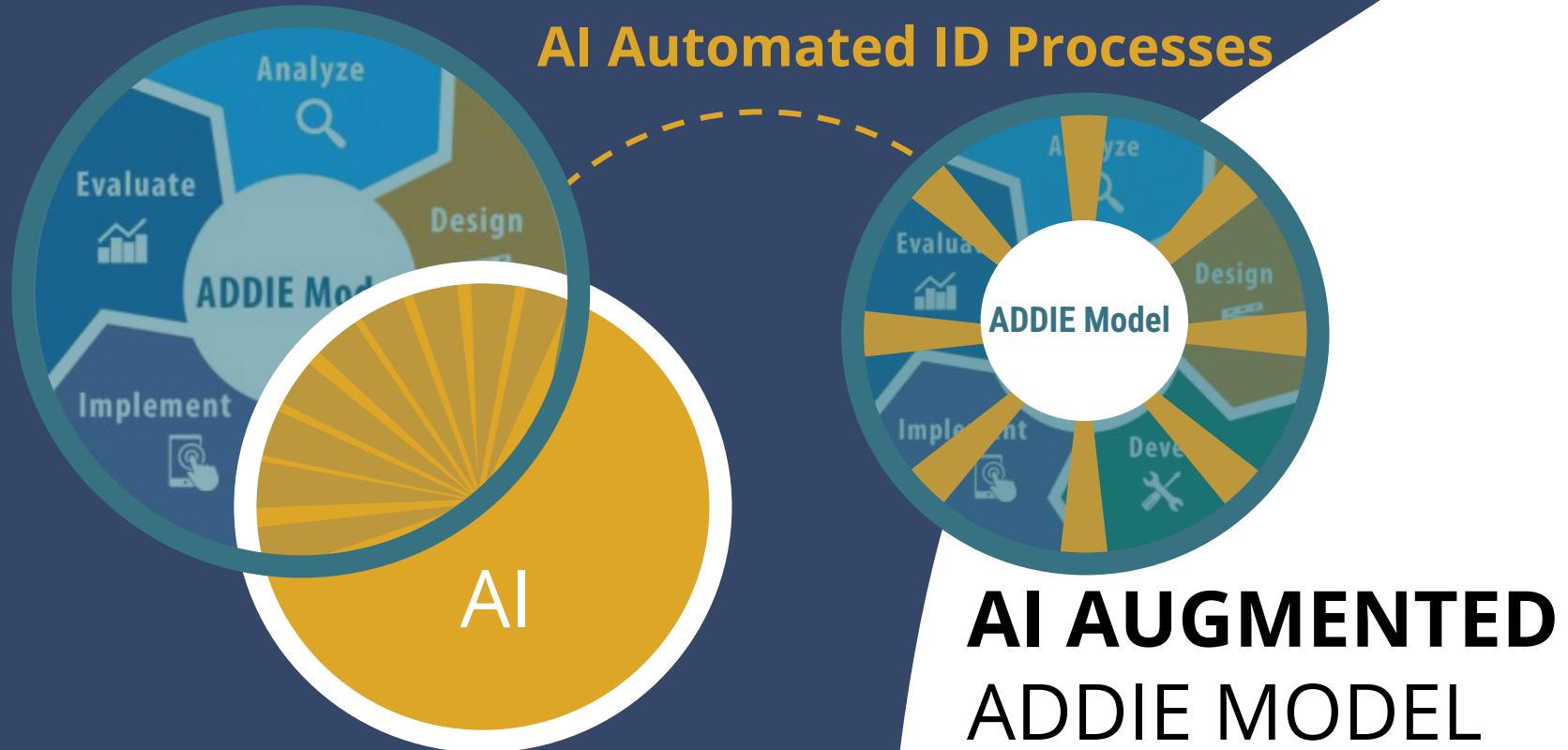


# AI Augmented ID Models

# AI Augmented ID Model



# Example AI Augmented ID Model



**AI AUGMENTED  
ADDIE MODEL**



## AI Augmented ADDIE

# ANALYSIS

- **Generative AI tools can** assist in data collection, analysis, and provide insights from diverse sources.
- **Specifically, they can**
  - process large volumes of data,
  - conduct automated content analysis,
  - extract valuable information,
  - offer personalized insights,
  - identify patterns, and
  - suggest adaptive learning pathways based on learner data.



In what ways have **you** used generative AI to assist in your analyses?

# AI Augmented ADDIE DESIGN

- **Generative AI tools provide** access to a vast repository of knowledge and resources for instructional design.
- **They can assist in**
  - generating content outlines,
  - refining ideas, and
  - exploring different instructional strategies.
- **And can support the creation of**
  - interactive multimedia content,
  - simulations, and
  - virtual reality experiences.



In what ways have **you** used generative AI to co-design learning experiences, materials, etc.?

## AI Augmented ADDIE

# DEVELOPMENT

- **Generative AI can streamline** content development processes by assisting in content creation, editing and localization.
- **Tools can help ensure**
  - coherence,
  - grammar,
  - clarity, and
  - consistency in instructional materials.
- **And aids in the development of**
  - multilingual or culturally sensitive content,
  - provides translation or adaptation assistance.



In what ways have **you** used generative AI to streamline content development processes?

## AI Augmented ADDIE

# IMPLEMENTATION

- **Generative AI can serve as** virtual tutors or mentors, providing real-time guidance and support to learners.
- **They engage in**
  - interactive conversations,
  - ask questions,
  - provide explanations, and
  - offer personalized feedback.
- **Tools can adapt their language and responses based on**
  - learners' proficiency,
  - learning style, or
  - individual progress.



In what ways have **you** utilized generative AI in learning or design conversations?

## AI Augmented ADDIE

# EVALUATION

- **Many new tools can contribute to** evaluating learning outcomes and providing automated assessments.
- **They analyze and interpret** learner responses, essays or open-ended questions, providing instant feedback or scoring.
- **Generative AI approaches can facilitate** sentiment analysis or sentiment-based feedback generation, tracking learners' attitudes and engagement.



In what ways have **you** used generative AI to assist in evaluation?





# The ID Role

# Notice anything?





*One of the critical issues with generative AI lies in its tendency to **reproduce biases present in the data** it has been trained on.*

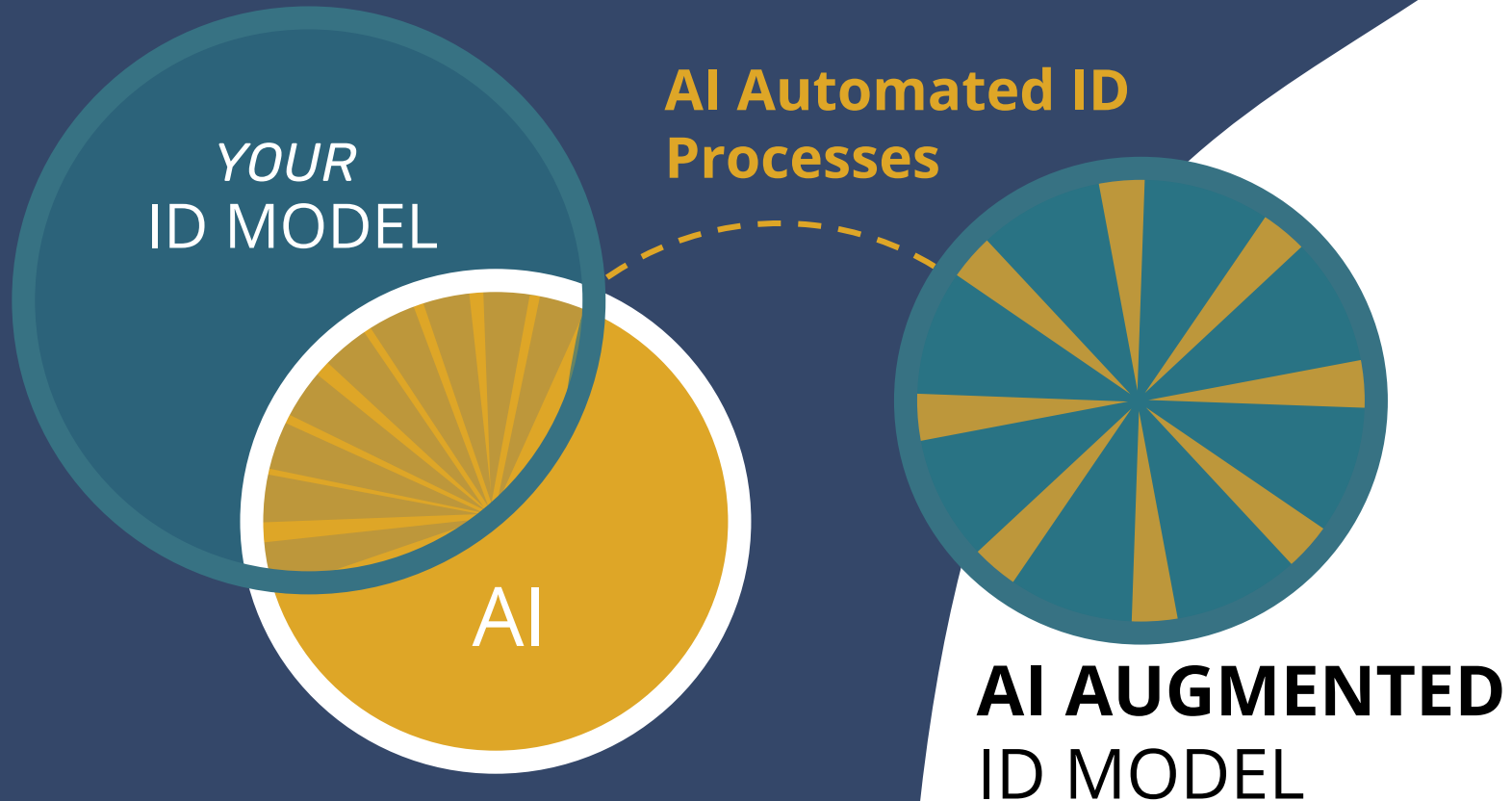
*Rather than mitigating biases, these tools often **magnify or perpetuate them...***

*9 Problems with Generative AI*  
**— Visual Capitalist**



# Action

# YOUR AI Augmented ID Model





# Action



*Next Session*

# Showcase



**3:30 PM - 4:15 PM**



# Thank you!