

State Exploration of AI for Large-Scale Assessment

Goal

The purpose of this session is for the Board to learn about an innovative use of AI for large-scale assessment under exploration by the Hawaii Department of Education.

Overview

Brian Reiter, Assessment Administrator at Hawaii State Department of Education, will present on Hawaii's recent explorations into the use of AI to generate virtual students for use in assessment pre-testing, potentially reducing costs and testing burden on students related to piloting items, and describe plans for generating other stakeholders. Board members will have the opportunity to ask questions and consider potential implications for NAEP.



Brian Reiter, Administrator for the Hawaii Department of Education Assessment Section, leads K-12 assessment development and implementation for statewide accountability. He has led efforts to integrate AI into assessment development, scoring, and reporting—advancing initiatives such as virtual field testing, automated scoring of student responses, and real-time feedback for students and educators. His work reflects a commitment to innovation and practicality in using AI to enhance statewide assessment systems.

Background

In May 2023, Board members expressed interest in better understanding AI and its potential implications for NAEP. Since then, the Board has held multiple learning sessions at quarterly Board meetings involving external experts to present AI's capabilities and how to approach its use. The Board established a year-long Ad Hoc Committee on AI in May of 2024, to support further Board learning on the topic. Board staff continue to track advances in AI to identify potential uses and implications for the Board and NAEP through informal discussions with external AI experts, participation in webinars (e.g., TeachAI, government-sponsored learning sessions), and attendance at relevant meetings and professional conference sessions (see Attachment A for a summary from a recent conference focused on AI and assessment).

In past meetings Board members have learned of efforts within and outside NAEP to use AI tools to assist with scoring, content generation, personalized tutoring, and responding to stakeholder questions. This session will present an additional potential use – using AI tools to assist with assessment pretesting.