This project is about exploring Fairness, Accountability, and Transparency (FAccT) AI in Education. To support the FAccT AI research in online learning environment, this research aims to help researchers better understand students’ learning patterns, improve their awareness of ethical issues in AI applications, and build better FAccT AI applications in education even without strong programming experience. We designed and developed a no-code visual analytic platform to present the learning information and decision-making processes that are otherwise unobservable. With this platform, researchers are able to examine students’ learning process in a finer granularity, interact AI algorithms’ decision-making processes, and explore potential fairness issues, and build better FAccT AI applications in their contexts.

Graphical user interface

Description automatically generatedStudents’ learning examining panel

Scatter chart

Description automatically generated

AI prediction exploring panel

Graphical user interface, application

Description automatically generated

AI fairness investigating panel

**Relevant publications**

A dissertation is written to describe the platform.