

# CASE STUDY #2-3

An scholarly article titled FairAIED: Navigating Fairness, Bias, and Ethics in Educational AI Applications by Sribala Vidyadhari Chinta, Zichong Wang, Zhipeng Yin, Nhat Hoang, Matthew Gonzalez, and Tai Le Quy goes on to talk about two case studies that were done that are based on biases shown from using AI. The two case studies were student assessment and grading, and then admissions and recruitment specifically in college.

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For student assessment and grading, AI systems are used to help grade essays. They aim to be more "...consistent, objective, and efficient evaluations.." (Sribala et al., 2024). However, these systems have shown bias, giving lower scores to essays written by Black students compared to similar essays written by White students. To fix this, they suggested to adjust the data before and after processing to help correct bias on students (Sribala et al., 2024).

# CASE STUDY #2-3

In college admissions, AI is used to make unbiased decisions. But, these AI models have shown many biases, including identifying gender and income from essays, which indicated socioeconomic and gender biases towards students. To reduce these biases, they recommended to use diverse datasets to help solve this problem (Sribala et al., 2024).