

ChatTutor — University of Copenhagen's Two-Experiment Test of a Learning-Theory-Based AI Tutor Against ChatGPT

AI in Education · Good practice · Denmark

Quality score: 47/100

Evidence strength: Moderate

Summary

Two experiments (175 university, 234 high-school students) found a learning-theory-based chatbot beat ChatGPT on conceptual knowledge, trust and enjoyment; gains vs control were mixed and one author has a commercial interest.

Key dimensions

Dimension	Score
Evidence of learning impact	2/3
Equity & inclusion	1/3
Transparency, ethics & data protection	2/3
Teacher capability & pedagogy	1/3
Scalability & sustainability	1/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-10-05

[University of Copenhagen \(Department of Psychology\) / ChatTutor](#) — accessed 2026-10-05

[University of Copenhagen news](#) — accessed 2026-10-05

[Educational Psychology Review paper](#) — accessed 2026-10-05

[Phys.org coverage](#) — accessed 2026-10-05

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