Guided GenAI Training in a Microeconomics Course — UCAM Murcia's Cluster-Randomised Trial on Students' DigComp Competences

AI in Education · Good practice · Spain

Quality score: 53/100

Evidence strength: Moderate

Summary

A cluster-randomised trial at UCAM Murcia (169 business students, 5 classes) taught strategic GenAI use plus AI-oriented feedback. Self-rated DigComp mastery rose 14.6–24 points in three of five areas, with the largest gains for students who started lowest.

Key dimensions

Dimension	Score
Evidence of learning impact	2/3
Equity & inclusion	2/3
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 2026-11-11

Universidad Católica de Murcia (UCAM) — accessed 2026-11-11

RIED article (UNED journal) — accessed 2026-11-11

UCAM institutional repository record — accessed 2026-11-11

DOI 10.5944/ried.45533 — accessed 2026-11-11

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