

Feedback on learning with generative artificial intelligence in university students

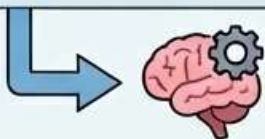
Leiva-Guerrero, M. V., Araya Zamorano, I., Escobar Collins, R., & Silva Castro, F. – RIED-29(1)

CONTEXT: THE CHALLENGE OF FEEDBACK



Student dissatisfaction with the quality of traditional teacher feedback.

Urgent need to innovate in assessment for learning.



Proposed solution:
Integrate "Wilson's Feedback Ladder" with Generative AI (GPT-4o).

METHODOLOGY: WILSON'S LADDER POWERED BY AI

PHASE 1: DESIGN AND VALIDATION

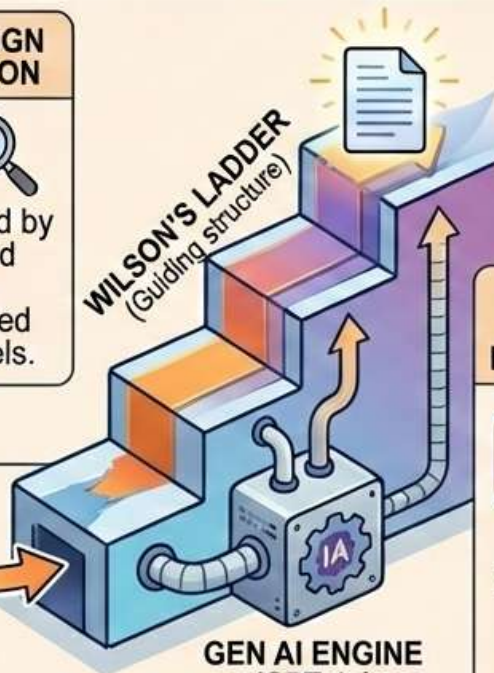


Prompt validated by Delphi Method (8 experts). GPT-4o selected among 7 models.



STUDENT WORK

WILSON'S LADDER
(Guiding structure)



GEN AI ENGINE (GPT-4o)

IMPROVED FORMATIVE FEEDBACK

PHASE 2: CLASSROOM IMPLEMENTATION



Application in 2 university courses via Moodle (Assessment / Data Structures).

RESULTS AND KEY PERCEPTIONS



EXPERT VIEW

Agreement on the suitability of the AI-mediated Ladder. Highlighted superior performance of GPT-4o.



STUDENT VIEW



VALUED:
Clarity,
Usefulness,
and Immediacy.



LIMITATIONS:
Lack of
contextualization
and impersonal
tone.

Conclusion: Integration is a promising innovation but requires disciplinary adjustments, human teacher supervision, and safeguarding the interpersonal dimension in feedback.