

Perceived learning performance

Xu, D., Huang, W. W., Wang, H., & Heales, J. (2014). Enhancing e-learning effectiveness using an intelligent agent-supported personalized virtual learning environment: An empirical investigation. *Information & Management*, 51(4), 430-440.

5 Items

1 Dimension

To what extent do you agree with the following statements about your learning outcomes?

- I became more interested in the subject
- I gained a good understanding of the basic concepts
- I developed the ability to communicate clearly about this subject
- I was motivated to do my best
- I increased my competence with Oracle Database

5-point Likert Scale (1) Strongly Disagree, (2), (3) neutral point, (4), (5) Strongly Agree.

Cronbachs α = na