AI Literacy Scale (AILS)

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The concept of AI literacy is used to determine user competence in using AI technology. This quantitative scale, of 12 items, allows to obtain accurate data regarding the AI literacy of ordinary users. This scale take into account the primary core constructs of AI literacy : awareness, usage, evaluation, and ethics.

Reference: Wang, B., Rau, P. L. P., & Yuan, T. (2023). Measuring user competence in using artificial intelligence: validity and reliability of artificial intelligence literacy scale. *Behaviour & information technology*, *42*(9), 1324-1337.https://www.researchgate.net/profile/Bingcheng-Wang/publication/360519116_Measuring_user_competence_in_using_artificial_intelligence_validity_and_reliability_of_artificial_i user-competence-in-using-artificial-intelligence-validity-and-reliability-of-artificial-intelligence-literacy-scale.pdf

1. I can distinguish between smart devices and non-smart devices Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

2. I do not know how AI technology can help me Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

3. I can identify the AI technology employed in the applications and products I use Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

4. I can skilfully use AI applications or products to help me with my daily work Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

5. It is usually hard for me to learn to use a new AI application or product Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

6. I can use AI applications or products to improve my work efficiency Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

7. I can evaluate the capabilities and limitations of an AI application or product after using it for a while Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

8. I can choose a proper solution from various solutions provided by a smart agent Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

9. I can choose the most appropriate AI application or product from a variety for a particular task Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

10. I always comply with ethical principles when using AI applications or products Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

11. I am never alert to privacy and information security issues when using AI applications or products Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree

12. I am always alert to the abuse of AI technology Matrice Likert

Strongly disagree ○ ○ ○ ○ ○ ○ ○ Strongly agree