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26.3c Quiz – Acceptance and Attitudes Towards a Human-Like Socially Assistive Robot By Older Adults

1. In order for robots to be effective assistive technology tools for the elderly, they must be ____________ by (with) the intended user population.  (Pick two)
   A. accepted
   B. understood
   C. interactive
   D. adopted

2. What portion of all assistive technologies is abandoned within one year of use?
   A. ¼
   B. 1/3
   C. ½
   D. 2/3

3. What is the name of a popular questionnaire for measuring target user perceptions of technological systems, with the goal of predicting actual system use?
   A. Technology Adoption Method (TAM)
   B. Technological Usage Method (TUM)
   C. Technology Acceptance Model (TAM)
   D. Technological Acceleration Model (TAM)

4. Using both questionnaires only predicts how much of a system’s actual use?
   A. 25%
   B. 30%
   C. 40%
   D. 45%

5. Which of the following were robot behavior characteristics?  (Select any or all that apply.)
   A. the robot's life-like appearance and demeanor
   B. the companionship provided by the mere presence of the robot
   C. the robot's human-like voice
   D. the robot expressing different emotions through tone of voice and facial expressions

6. In general, how was the attitude towards using the robot, Brian 2.1?
   A. negative
   B. lukewarm
   C. positive
   D. indifferent
7. Which hypothesis was able to be tested using which testing method?

A. hypothesis 1 using progression analysis
B. hypothesis 2 using regression analysis
C. hypothesis 3 using chi-squared analysis
D. hypothesis 4 using Freudian analysis

8. According to the article, which statement is correct regarding characteristics of the robot?

A. elderly participants preferred human-like appearance over human-like communication
B. Brian 2.1’s voice was fairly clear and his intonation was quite appropriate
C. the robot's facial expressions were positive but not particularly believable
D. preference toward characteristics such as human-like communication over human-like appearance, clear voice, and excellent intonation may not be age-related

9. How many individuals attended a single live robot demonstration session to learn about the features of the robot?

A. 54
B. 36
C. 47
D. 62

10. What was the goal of the authors’ research?

A. to develop an effective robot able to interact with people of all ages
B. to develop a device specifically designed to reverse the effects of dementia in older adults
C. to develop a robot and robotic aids as effective tools for cognitive and social interventions of the elderly
D. to develop a robot and robotic aids to largely handle the personal self-care needs of the elderly population

11. What is the name of the scale developed to measure a person’s general attitudes towards robots?

A. Negative Attitudes Towards Robots Scale (NARS)
B. Negative Influence of Robots Scale (NIRS)
C. How Do You Feel About Robots Scale (HDFARS)
D. How Can Robots Help Me Scale (HCRHMS)

12. Which statement best describes the previous robotic experience of the participants at the robot demonstration session?

A. most individuals had some type of previous direct or personal experience with robots
B. a majority of individuals did not have any prior experience with robots at all
C. many of the individuals had seen robots on television or in school
D. a majority of the individuals had seen robots in local department stores demonstrating various activities