Abstract

E-learning is an emerging discipline in the educational field. The advancement of technology and information age has altered the pedagogy and the ways we learn. Many researchers have shown that E-Learning is one of the means which outshines the traditional learning. Personalized learning and teaching could be regarded as an ultimate level of instruction. The E-learning process is influenced by the human factors and cognitive factors. The main purpose of this paper is to explore the relationship between the personality traits and user interface design parameters. Data on recollection and retention skill were collected through a questionnaire designed. Association rule mining technique was applied on the experimental results and rules were generated. Based on the generated rules, suggestions are made to the interface designer for better UID in E-learning.
- Jacoby. L. L, "A process dissociation framework: Separating automatic from


**Index Terms**

Computer Science

Information Sciences

**Keywords**

E-Learning    Personality traits    User Interface Design    Association rule mining