Automatic applying Bloom's taxonomy to classify and analysis the cognition level of English question items

張文智,李安勝,吳來奇,鍾明勳
Information Management
Computer Science and Informatics
earnest@chu.edu.tw

Abstract

Bloom's taxonomy plays a role in defining the learning objectives. Some teachers also use it to design the test sheet for matching Bloom's taxonomy and analysis the result after exam. We designed an online test system supporting Bloom's taxonomy automatic analysis system. In the pilot experiment, fourteen keywords for Bloom's taxonomyand 288 test items are applied. We found "Knowledge" cognition level has 75% correct match percentage.

Keyword：Bloom's taxonomy, Cognition, Evaluation,Web-based learning