

# Medical College Students' Perceptual Learning Style Preferences on an Adaptive Computer-Assisted English Learning Website

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## Abstract

An adaptive learning platform not only enables learners to absorb content efficiently and easily, and to determine the optimal approach to personal development but also compensates for deficiencies in language studies, social environment, and other elements identified in language learning theory. The aim of this study was to investigate relationship between an adaptive English-learning website and students' learning styles. The study further examined the effect of this relationship on the students' English scores by administering a questionnaire and conducting Web instruction. A total of 125 freshmen from a medical university participated in the study. The results showed that the most common learning style among the participants was the independent learning style, and that the relationship between the students' performance on an adaptive learning platform and their learning style was significant. The results showed that adaptive online learning can benefit students who prefer the individual major learning style; however, students who exhibited other learning styles did experience significant differences in their learning outcomes. In conclusion, the adaptive English-learning website has facilitated the particular style of individual English learning most effectively.

**Keywords:** CALL (Computer-Assisted Language Learning), English Learning Outcome, Perceptual Learning Style

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# 探討適性化電腦輔助英語學習網站與大學生知覺學習型態之關係

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## 摘要

適應化學習平台不僅使學習者能夠有效和容易地吸收內容，並且決定個人發展的最佳方法，而且還可以補償語言學習、社會環境和語言學習理論中所知的其他要素的缺陷。這項研究的目的是探討一個適性化學習類型網路英語輔助學習系統和學生的學習風格之間的關係。該研究設計以學生學習風格問卷調查和進行網絡教學，並進一步研究了這種關係對學生的英語分數的影響。來自醫學大學的 125 名新生學生參加了研究。結果表明，參與者中最常見的學習風格是獨立學習風格，學生透過適應化網路學習系統的成績表現和學習風格之間的呈現顯著的關係。結果表明，適應化網路學習可以使學生更喜歡個人的主要學習風格；反之，其他學習風格的學生在他們的學習成果方面經歷了顯著的差異。總結，適性化的學習類型環境來輔助語言學習之活動能有效幫助個人英文學習。

**關鍵字：**電腦輔助英語學習、英文學習成效、知覺學習型態

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