

Abstract

The current experiment wanted to investigate the role of syntax and semantics in word recognition of English. It tried to replicate the work of Chan (2004). The participants would be asked to finish a lexical decision task. The stimuli would be grouped in terms of semantic ambiguous (ambiguous, unambiguous) and syntactic-category ambiguous (ambiguous, unambiguous). It was found that there were significant semantic ambiguous effect and syntactic ambiguous effect in both reaction time and error rates. It found a significant role of semantic analysis and syntactic analysis in word processing level.