



Raskind, Marshall H., & Higgins, Eleanor (1995) A study of the Effects of Speech Synthesis On The Proofreading Efficiency of Postsecondary Students with Learning Disabilities

This study investigated the effects of speech synthesis on the proofreading efficiency of postsecondary students with learning disabilities. Subjects proofread self-generated written language samples under three conditions: (a) using a speech synthesis system that simultaneously highlighted and "spoke" words on a computer monitor, (b) having the text read aloud to them by another person, and (c) receiving no assistance.

Findings:

- Using speech synthesis enabled subjects to detect a significantly higher percentage of total errors than either of the other two proofreading conditions. Subjects were able to locate a significantly higher percentage of capitalization, spelling, usage and typographical errors under the speech synthesis condition.