

Sex-related Differences in Hue Discrimination: A Computer-Based Experimental Study

Sairaj M. Patki*
Dept of Psychology,
Modern College of Arts, Science and Commerce
Pune (Maharashtra)

Abstract

The existence of sex-related differences in human visual processing capabilities, especially color perception has been a matter of debate, though findings in the favor of the fairer sex have pre-dominated the research scenario. The present study thus investigated sex-related differences in hue discrimination through a computerized experiment. After screening participants for color blindness, the final sample comprised of 80 participants (40 males and 40 females) in the age range 18 – 25 years. The stimuli comprising of 24 randomly presented color patches (12 identical and 12 with slight alterations). The hypothesis stating that women perform better on hue discrimination tasks than men was tested using t-Test. Statistical analysis performed using SPSS ver.22 software showed no sex-related differences in number of correct responses and average response time.

Keywords: *Hue discrimination, sex-related differences, computer-based experiment*

*Dr. Sairaj M. Patki is an Assistant Professor in Psychology at the post-graduate section of the Department of Psychology, Modern College of Arts, Science, and Commerce, Shivajinagar, Pune. He is a contributory faculty at the Department of Psychology, Savitribai Phule University and has been a faculty at Symbiosis College of Arts and Commerce, Pune.

The author may be contacted at Building no. B-8, Flat no. 1, Meeranagar Co-op. Housing Society, Lane 7, Koregaon Park, Pune-411001, 020-26150864 (R),

Email: sairaj.patki@gmail.com.