



Introduction

The animal learning literature has demonstrated that initially neutral stimuli can become salient when associated with reward (Pavlov, 1927). Thorndike's (1911) 'law of effect' demonstrates that behaviors increase in frequency when paired with reinforcement. Behavior, in turn, is apt to be shaped by environmental stimuli that share strong associations with satisfying outcomes. When paired with primary reinforcers (e.g., a squirt of apple juice or a grain pellet), otherwise commonplace stimuli become highly attractive and sought after because of their acquired predictive value (Lauwereyns et al., 2002). Greater rewards induce higher pertinence and garner more attention (Baum, 1974). Although human behavior is considerably more complex, it is nevertheless ordained by the very same law of effect that precipitates a wide array of animal behavior. This suggests that human cognitive processes, such as visual selective attention, are amenable to instrumental learning principles.





t(39) = 2.67, p = .011.



Pavlov, I. P. (1927). Conditioned reflexes, DoverPublications.com. Thorndike, E.L. (1911) Animal Intelligence, Macmillan