



Protocol Title

First name, Last name

The Stroop Task is a psychological experiment designed to study cognitive control and interference. In this task, participants are presented with words that represent colors (e.g., "red," "blue," "green") but are printed in incongruent colors (e.g., the word "red" printed in blue ink). The participant's goal is to name the color of the ink, not the word itself. This creates a conflict between the automatic process of reading the word and the task of identifying the ink color, requiring cognitive effort to suppress the more dominant reading response.

The experiment typically includes two conditions: congruent, where the word and ink color match, and incongruent, where they do not. Reaction times and accuracy are measured, with participants usually taking longer and making more errors in the incongruent condition. The Stroop Task is widely used to assess attention, cognitive flexibility, and the ability to manage interference, often in studies of executive function and brain disorders.