

Formation of Multisensory Working Memory: Investigation on the Dominance of Human Senses during the Processing of Audiovisual Information

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Abstract

Past research focusing on working memory and the interplay between audiovisual information during encoding yields different results while investigating whether there is cross-interference between the two senses or whether they are in separate stores. This paper is a proposal for a research study that is inspired by that topic of cross-domain interference and looks at the dominance of senses during the processing of audiovisual information. An innovative proposal for an experimental design that will test the dominance hypotheses during audiovisual encoding and hypothetical findings that would support different hypotheses are presented in this paper and a discussion on potential limitations while studying multisensory information processing is introduced.

Biography

Aleksandra Salacinska has completed her Bachelor of

Science in Neuroscience at the age of 22 from New York University and New York University Shanghai. She is an aspiring medical student with a passion for neurosurgery and psychiatry.