



Deutsche
Sporthochschule Köln
German Sport University Cologne

Psychologisches Institut
Institute of Psychology

Bachelor / Master thesis

The influence of performance level and task difficulty on size perception of a balance beam in gymnastics

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We are offering the above-mentioned topic for a bachelor/master thesis.

The theory of *Embodied perception* defines that people perceive the environment in terms of their ability to act in it. According to this, studies show that the size perception of a softball varies with different daily performances or that people perceive the size of a golf hole differently, when the task difficulty increases or decreases. The study aims to investigate whether there is a relation between task difficulty, performance level and the visual perception in gymnastics.



The intervention consists of a performance of two gymnastics skills on the balance beam, performed by gymnasts of different age and performance levels. Afterwards the perceived width of the beam is assessed, in order to see if there are any relations.



Conditions:

- ✓ Interest in the research field embodied perception
- ✓ Interest and experience in the sport gymnastics
- ✓ Reliability
- ✓ Motivation

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