

INFLUENCE OF MOTOR ABILITIES ON THE EXECUTION SPEED OF COMPLEX KARATE COMBINATION IN RELATION TO TERRITORIAL FACTOR

Abstract

The aim of this study is to determine the possible existence of territorial depending influence of basic motor abilities on the execution speed of complex karate combination. Sample of subjects included 115 Montenegrin male karate practitioners, aged 15 years \pm 6 months, divided into three subsamples according to the corresponding territorial regions (north $n=37$, central $n=39$ and south $n=39$). For the purposes of this study a system of 19 variables, which are hypothesized to cover areas of basic motor abilities (18 variables) and specific motor abilities (1 variable), was used. All results have been subjected to statistical analysis, which involves regression analysis as the primary statistical operation. Insight into results relieved that in two out of three subsamples (north and south region) predictor system of basic motor abilities has a statistically significant influence on the criterion, while significant influence in central region was not found. With this it is possible to conclude that the existence of territorial factor resulted with the differences in motor abilities influence on the execution of karate techniques in three regions.

Key words: motor abilities, karate technique, karate combination, territorial factor
