

PhDay-EIO

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How to relate IOTF transitions and physical profile

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RESUMO

Overweight problems and a sedentary lifestyle are nowadays a large concern in society. Industrialized and processed food, as well as lack of exercise, have been two of the biggest causes of health problems, especially in child obesity.

The Department of Human Motricity of Institute Polytechnic of Viana do Castelo has started a study about morphofunctional study of the children from Viana do Castelo that now supports this current study. The main objective of that study was to normatively characterize the variables of morphological growth and physical fitness throughout juvenile development and to evaluate the adequacy of their according to health prevention criteria.

The main objective of this work is to estimate the transition probabilities between different IOTF categories. The IOTF is an index of cataloging individuals relative to weight. It is also the objective of this work to understand the relationship between IOTF with other longitudinally recorded variables, especially the physical variables. In this work, it will be present the transition probabilities between different IOTF categories and define possible strategies to understand their relationship with physical variables.