

**Aerobic Exercise and Cognitive Development
with
Artificial Neural Networks**

Editors

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Preface

Many studies have been conducted in the world regarding the level of physical activity and cognitive development. Based on the authors' collective expertise, this book demonstrates how aerobic exercise can affect individuals' cognitive development levels. This book has revealed how it affects individuals' cognitive development levels and the artificial intelligence existing in education by modeling with artificial neural networks.

In this book there is the 9 chapter, to researchers in this book, showed what should be done in order to improve the stage of individuals, which structure of the brain develops, and how it is shaped by artificial neural networks. In addition, this book goes beyond the known and shows how learning areas can be developed depending on the structure of the brain and how new information is affected by the cognitive development of individuals during the education and training phase.

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