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Proceedings - 2020 International Conference of Digital Transformation and Innovation Technology, INCODTRIN 2020 • Pages 89 - 96 • October 2020 • Article number 9516671 • 1st International Conference of Digital Transformation and Innovation Technology, INCODTRIN 2020 • Quito • 28 October 2020 through 30 October 2020 • Code 171432

Document type Conference Paper

Source type Conference Proceedings

ISBN 978-166542319-9

DOI 10.1109/Incodtrin51881.2020.00029

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Data mining techniques applied in the neuropsychology domain: A systematic review

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Abstract

The vast amount of data collected in the health care field allows researchers to apply different data mining techniques that may support and improve patients' condition. The neurocognitive field represents a new area of interest in which data mining techniques could be extremely useful to diagnose and treat impairments. This systematic literature review aims to identify the most relevant data mining techniques, tools, and approaches to collect, process, and represent results used in neuropsychology for the analysis of memory and cognitive attention. The results will contribute to the development of new tools to evaluate the neuropsychological variables cited before in elderly people in the context of a normal aging process. © 2020 IEEE.

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Attention; Data Mining; Memory; Neuropsychology

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