NEKATERI IZZIVI UMETNE INTELIGENCE V VZGOJI IN IZOBRAŽEVANJU

VLADISLAV RAJKOVIČ

Univerza v Mariboru, Fakulteta za organizacijske vede, Kranj, Slovenija.
E-pošta: vladislav.rajkovic@um.si

Povzetek Umetna inteligenca (UI) je postala trendovsko geslo. Nekatere je umetne inteligence strah, drugi pa ne vedo, kaj bi z njo. V prispevku bomo osvetlili nekaj izzivov UI in razgrnili njeno moč in nemoč v procesih vzgoje in izobraževanja. Poudarek bo na sinergiji med človekovimi kognitivnimi procesi in UI. Potreben je premik od podatkovno usmerjene šole k šoli vedenja, razumevanja in razmišljanja. K temu premiku lahko pomembno prispeva tudi UI. Z metodami UI se odpirajo možnosti, ki jih velja spoznati in uporabiti. Pogledali bomo, kakšne izzive prinašajo metode podatkovne analitike s poudarkom na strojnem učenju in vizualizaciji podatkov. Kaj si lahko obetamo od sodobnih obdelav besedil naravnih jezikov. Čeprav se obetajo velike in pomembne spremembe, ne gre za revolucijo, ampak ponovno rojstvo dobrih starih idej v novem kontekstu. UI gre jemati kot vzpodbudo za renesanso vzgoje in izobraževanja v novi realnosti.

Ključne besede:
vzgoja,
izobraževanje,
umetna
inteligenca,
kognitivni
procesi,
podatkovna
analitika.

SOME CHALLENGES OF ARTIFICIAL INTELLIGENCE IN EDUCATION

VLADISLAV RAJKOVIČ

University of Maribor, Faculty of organizational sciences, Kranj, Slovenia.
E-mail: vladislav.rajkovic@um.si

Abstract Artificial Intelligence (AI) has become a trendy motto. Some are afraid of AI, while others do not know what to do with it. In this article, we will highlight some of the challenges of AI together with its strengths and weaknesses in the processes of education. The emphasis will be on the synergy between human cognitive processes and AI. There is a need to move from a data-oriented school to a school of knowing, understanding and thinking. The AI can make an important contribution to this shift. AI methods open up new opportunities that are worth recognizing and using. We will look at the challenges of data analytics methods with an emphasis on machine learning and data visualization. What can we expect from modern processing of natural language texts? Important and promising changes brought by AI, do not mean a revolution, but a rebirth of good old ideas in a new context. AI should be taken as a stimulus for the renaissance of education in the new reality.

Keywords:
education,
artificial
intelligence,
cognitive
processes,
data
analitics