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Neuroscience, Psychology And Machine Learning: Decoding Both Human And Artificially Simulated Brains Within The Scope Of Humanities' Study

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As a Humanities' student in the age of artificial intelligence algorithms, software engineering and big data – concepts such as youth unemployment, human cognition and the future of academia are prominent in Industry 4.0. This paper highlights the role a Humanities' scholar plays in embracing technological trends and using critical thinking, human observation and psychoanalysis to enter the world of machines and computers. It is through grappling with the underlying psychological and sociological aspects, which a Humanities' degree provides, that innovative deep learning and its enigma can be uncovered. This is an account of the academic journey from Freud to Turing, from cognition to neural networks, and from the University of Johannesburg to the University of Cambridge – all in advocacy of the Fourth Industrial Revolution.

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