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Emerging Technologies and Changing Dynamics of Information

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Abstract



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Artificial Intelligence and the Digital Divide: A Vicious Cycle?

In a single decade, artificial intelligence has caused a considerable transformation in society and has influenced what we see, find, learn, buy, like, among other daily actions. Now, these systems are moving unstopably toward affecting our lives as a whole, from the words we use to the medicine we take. This presentation will discuss the effects of the digital divide on algorithmic bias and which actions we can take right away to prevent the undesirable behavior of intelligent machines in the near future. I will share my experience leading a research project to create AI tools to predict hospitalization due to COVID-19 based on public data.

Brief Bio :

Dr. Igor Miranda has a BSc and an MSc in electronic engineering and holds a Ph.D. in Industrial engineering. Since 2013, he is a professor at the Federal University of Recôncavo da Bahia, Brazil. His research interests are artificial intelligence, integrated circuit design, embedded systems, and signal processing. He has been working on projects that mix these topics to build innovative audio processing devices, especially for healthcare applications. During the pandemic, Dr. Miranda has led a research project to create AI tools to predict hospitalization due to COVID-19.