Could Machine Learning be used to address Africa’s Challenges?

Abstract

Machine Learning can be both experience and supervised based learning. Machine learning would help in designing system that can be able to take decisions in a more optimized form and also help them to work in most efficient method. In the field of machine learning one considers the important question of how to make machines able to “learn”. Learning in this context is understood as inductive inference, where one observes examples that represent incomplete information about some “statistical phenomenon”. Advanced economies are already using machine learning to solve problems like medical diagnosis, Improving Ecommerce Conversion Rates, traffic congestion, saving cows from bad drivers and improving healthcare, while Africa lags conspicuously behind. African leaders may be aware of this. Whether they possess the foresight to see and take people through is however debatable.

This paper discusses how machine learning could be used to address Africa’s challenges by highlighting how some of major challenges can be solved using certain machine learning techniques. Major challenges to Africa continent are identified and machine learning techniques
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that could address them are briefly highlighted.

While it does have some frightening implications when thinking about it, machine learning applications are several of the many ways this technology can improve our lives.

References


Index Terms

Computer Science Information Sciences
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Keywords

Africa’s Challenges, Africa Continent, Algorithm, Machine Learning.