Abstract

The aim of this paper is to inform both healthcare practitioners and software solutions creators about the ways in which the Hospital Information Systems (HIS) can and should be extended, both in terms of managing, processing and learning from the data, keeping in mind the sustainable modern technologies available for automation and machine learning. The paper provides details on how ensembles can be implemented and integrated into HIS and also provide the details for the necessary hardware and integrating that hardware to facilitate automation. The paper’s target audience is primarily developing countries where these systems, which are yet to become sophisticated, could have a huge social impact.

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**Index Terms**

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**Keywords**