

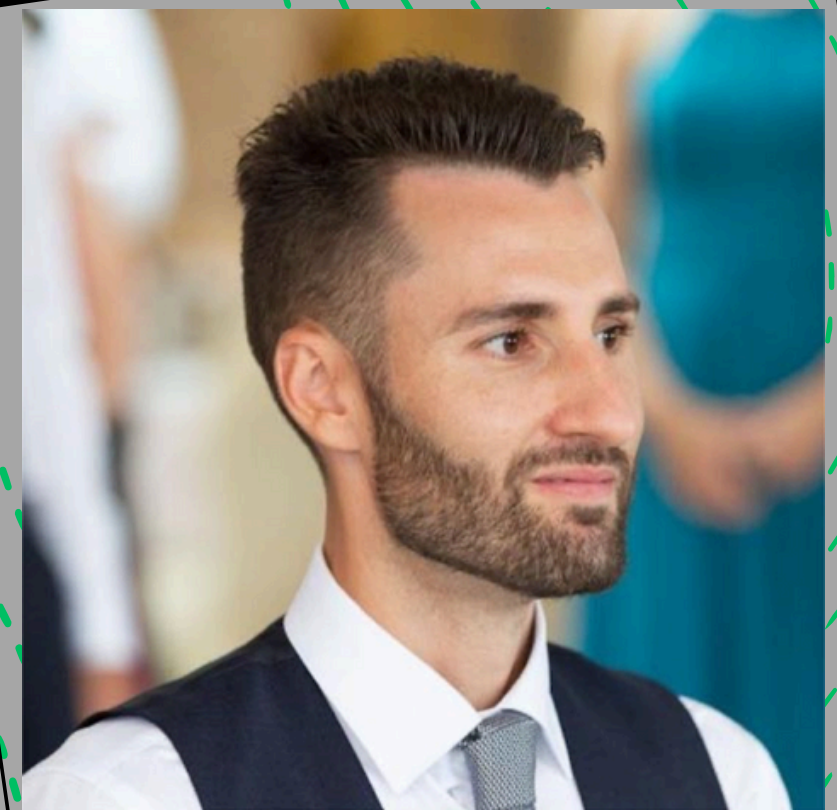
MACHINE LEARNING FOR HEALTHCARE APPLICATIONS

Machine Learning (ML) systems struggle with sparse, noisy, and fragmented **Electronic Health Records (EHRs)**, limiting their effectiveness in healthcare.

Challenges include sparse annotations, heterogeneous structures, and a lack of standardization.

Advanced ML techniques, such as Multiple Instance Learning, Multi-Task Learning, and ordinal modeling, aim to address these issues. Works focus on integrating these solutions into Clinical Decision Support Systems (CDSS) to enhance healthcare decision-making for clinicians.

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