The Evolving Role of Machine Learning in Healthcare

By

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Abstract

Medicine, by definition, is an information science that requires the capacity to actively acquire individualized and context-specific data, and to then iteratively evaluate, assimilate and refine this information against a vast database of medical knowledge in order to arrive at a small solution space with a corresponding set of individually tailored implementable policies. Machine Learning (ML), as a transformational tool, is thus potentially extremely well suited to medical application. Unfortunately, while technological advances in ML are being made at a rapid pace in other domains, impactful medical application significantly. In this talk I will discuss problems currently being addressed with machine learning, how our group and others are beginning to incorporate it across a number of different facets in medicine, highlight areas of future growth and opportunity, as well as areas of existing limitation or future ethical concern.

Date : 21 August 2017 (Monday)
Time : 2:30pm
Venue : Room 2464 (Lift 25-26)