Transforming Healthcare using Machine Learning

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Abstract: Medicine stands apart from other areas where machine learning can be applied. While we have seen advances in other fields with lots of data, it is not the volume of data that makes medicine so hard, it is the challenges arising from extracting actionable information from the complexity of clinical data. It is these challenges that make medicine the most exciting area for anyone who is really interested in the frontiers of machine learning – giving us real-world problems where the solutions are ones that are societally important and which potentially impact on us all. In this talk I will show how, by working closely with clinicians, we are developing cutting-edge machine learning methods to create tangible clinical impact and how in turn, medicine is driving new advances in machine learning.