

The SUMO Speaker Series for Undergraduates

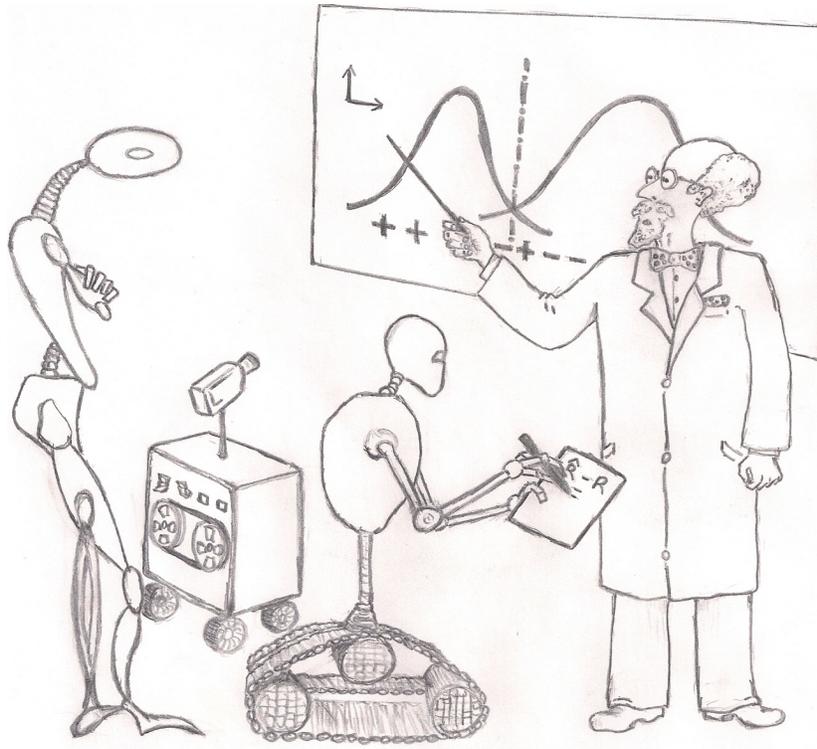
Wednesday, May 9th

4:15-5:05, room 380C

(Food Provided)

Tangent Distance: Machines learning from people

Sam Gross



ABSTRACT:

Machine Learning is a hugely popular and rapidly growing area of study. By taking advantage of vast quantities of data and computational power, researchers are able to design seemingly simple algorithms that can accurately predict everything from medical outcomes to movie ratings. Sometimes though, these algorithms can have trouble with problems that seem simple for humans. We will examine how Tangent Distance was developed in an attempt to bring some human intuition to handwritten digit recognition -- one of the classic Machine Learning problems.

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