

On the Statistical Mechanics and Information Theory of Deep Learning for Particle Physicists

Monday, April 15, 2019 11:15 AM (1 hour)

This is an introduction to Deep Learning, for Particle Physicists. These techniques can provide excellent performance for separating different categories of events, pattern recognition, etc. In order to achieve this it is highly desirable for users to understand the basic concepts underlying their operation. The Statistical Mechanics and Information Theory aspects of this will be addressed in this talk.

Preferred contribution length

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Session Classification: Joint lecture/seminar