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Introduction to machine learning

Friday 21 March 2025 10:00 (1h 15m)

These days, machines often perform tasks that were previously far beyond their capabilities, and they are increasingly outperforming humans too! Machine learning has been around for a long time, however, so what has changed? Since, ˜2006 we have been in the "third wave" of deep learning, and it has become possible for machines to learn complex "nested representations", and this has revolutionized their capabilities. The impact on science has been transformative, and it is hard to say where the limit is! This talk will give a conceptual overview of machine learning and deep learning, give an introduction to some of the core concepts, and cover examples of machine learning in action.

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