

High-Dimensional
Non-Stationary Time Series Analysis



IRTG 1792 Short Course

Hung-yi Lee

Deep Learning Tutorial for Beginners

By establishing new state-of-the-art performance in speech recognition, image recognition, and some natural language processing tasks, deep learning techniques have achieved tremendous successes and attracted much attention in recent years. This tutorial will begin with the basic concepts of deep learning, and discuss why it is powerful. Then I will introduce variants of deep learning models including convolutional neural network (CNN) and recurrent neural network (RNN). The tutorial will also cover the unsupervised deep learning models which will be the next wave.



Hung-yi Lee is an assistant professor at the Department of Electrical Engineering of National Taiwan University. He received his Ph.D. degree at NTU in 2012. His research focuses on machine learning, spoken language understanding and speech recognition.

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