

An Introduction to Deep Learning with Keras

Tuesday, May 31, 2016 2:45 PM (1 hour)

Keras is a modular, powerful and intuitive open-source Deep Learning library built on Theano and TensorFlow. Thanks to its minimalist, user-friendly interface, it has become one of the most popular packages to build, train and test neural networks, for both beginners and experts.

In this tutorial, we will start with an introduction of the basics of neural networks and will work through fully functioning examples, with an eye towards deployment strategies within the context of CERN.

Fundamental steps and parameters in Deep Learning will be presented both from a conceptual and a practical standpoint, by looking at the way Keras implements them and exposes them to the users.

Please visit the Keras website prior to the workshop for installation instructions and feel free to reach out for any issue.

Talk Length

Workshop

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