CompBioMed

A Centre of Excellence in Computational Biomedicine

Webinar Series

Webinar #12:
Getting started with Deep Learning: A gentle introduction and working example

7th July 2020
1pm CEST/ 12pm BST (1h duration)

This webinar provides an introduction to Machine Learning (ML), and more specifically, Deep Learning (DL). Using computer vision as an example, this seminar elaborates on the working principles of topics such as convolutional neural networks (CNN), network architectures, or transfer Learning. Using the Keras library, students will have a hands-on experience with deep learning for classification of images. This webinar is aimed at students with no previous experience with Deep Learning. The only requirement is the ability to read and write Python code.

This is the 12th of a series of webinars organised by CompBioMed.
Watch the full series on www.compbiomed.eu/training!

Dr. Juan José Durillo Barrionuevo received the MSc and PhD degrees in computer science from the University of Málaga, Spain, in 2006 and 2011. From 2011 to 2017, he worked as assistant professor at the University of Innsbruck, Austria, where he researched the intersection between Artificial Intelligence and software generation. He has authored over 50 publications in international journals, conferences and book chapters. Since 2018, he works as a scientist at the Leibniz Supercomputing Centre of the Bavarian Academy of Sciences and Humanities (LRZ) in Munich. His research interests include automatic tuning of scientific applications, multi-criteria optimisation, GPU computing, ML, DL and Neural Architecture Search.

Moderated by Katya Ahmad, University College London

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