



A general introduction to machine-learning and deep learning methods

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This introductory lecture aims to provide an overview of machine learning (ML) and deep learning (DL) methods, with scientific applications in mind. We will briefly review the tasks that may be tackled, and the working principles of ML and DL. We will not go into the details of specific methods, as this will be covered in following lectures. Rather, we will focus on how to deploy them in practice, and how to interpret their results to favour an informed and appropriate usage.