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Recent trends in machine learning and opportunities for astrophysics

Monday, 30 May 2022 15:20 (50 minutes)

The talk consists of two parts: an overview of the deep learning paradigm from hand-crafted features to learned ones as well as the recent models for classification, regression, object detection semantic segmentation, generation, and their applications including also astrophysics will be given; the second part will instead discuss the recent techniques to understand why deep models make specific predictions diving into the explainable-AI world.

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