



Medical Imaging meets Deep Learning

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Lecture 1 - The dark ages: Object recognition before deep learning

Research in object recognition began in the 1960's, and has gone through numerous changes in direction and rediscovering of ideas. We discuss the history of object recognition from the beginning up until the current wave of deep learning techniques. This includes approaches, algorithms and datasets.

Lecture 2 - A recent history of deep learning and object recognition

Deep learning in computer vision resurfaced in 2012 and fundamentally changed the field. In this lecture we cover the recent history of deep learning starting in 2012 to the present day. We cover both image classification and detection, including AlexNet, ResNet, and the family of RCNN models. We conclude with the current state of the field and future challenges.