

Lecture07

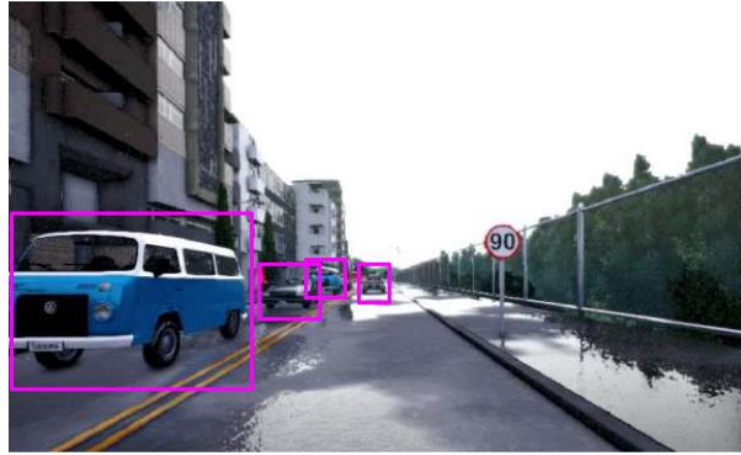
UNet



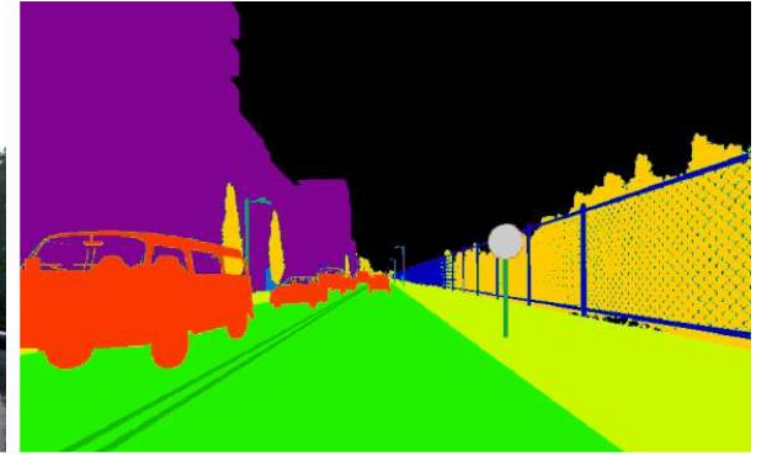
Object detection vs Semantic Segmentation



Input image



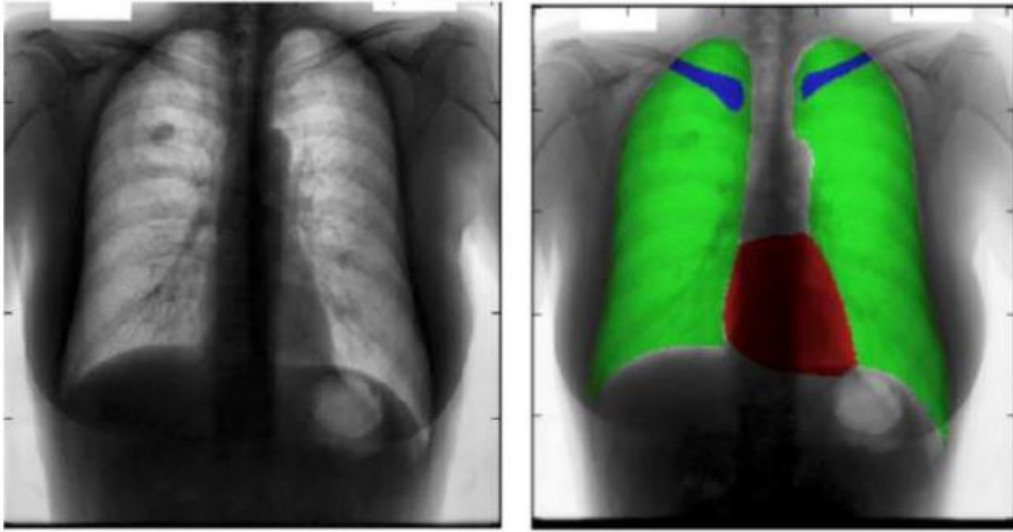
Object Detection



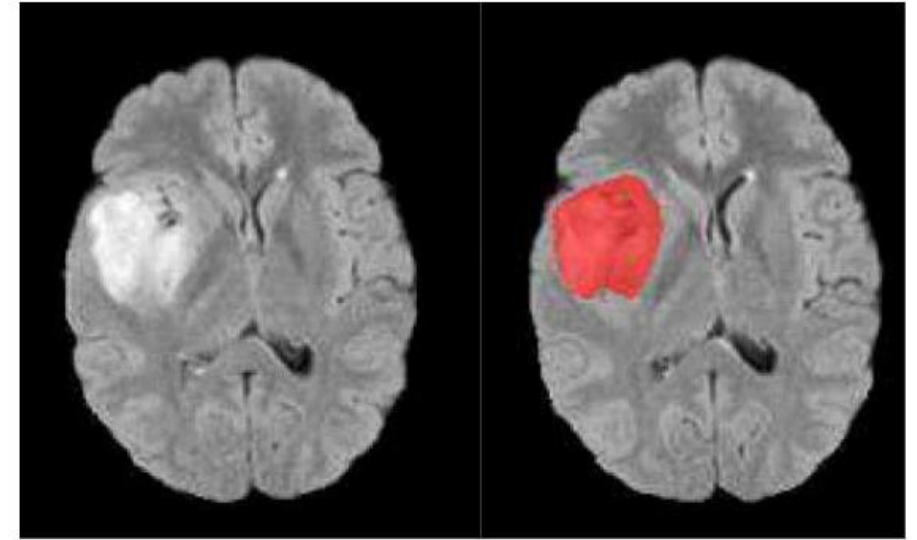
Semantic Segmentation



UNet



Chest X-Ray



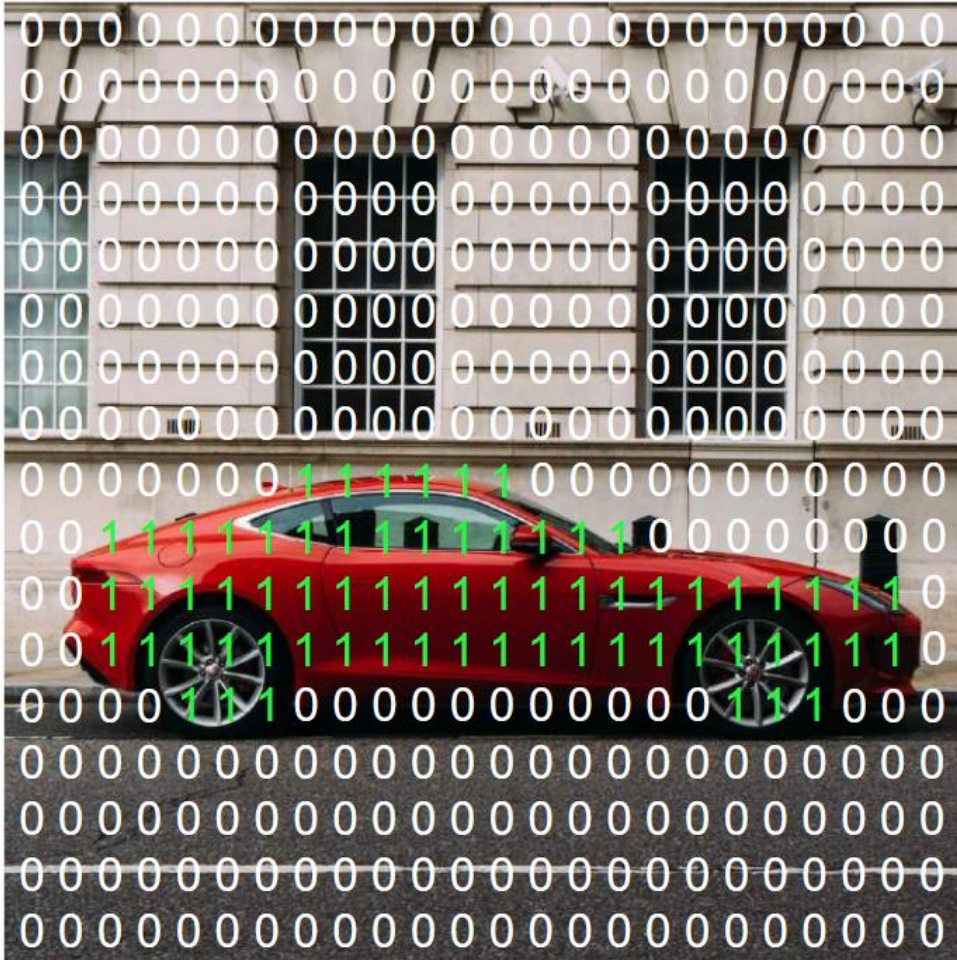
Brain MRI

[Novikov et al., 2017, Fully Convolutional Architectures for Multi-Class Segmentation in Chest Radiographs]

[Dong et al., 2017, Automatic Brain Tumor Detection and Segmentation Using U-Net Based Fully Convolutional Networks]



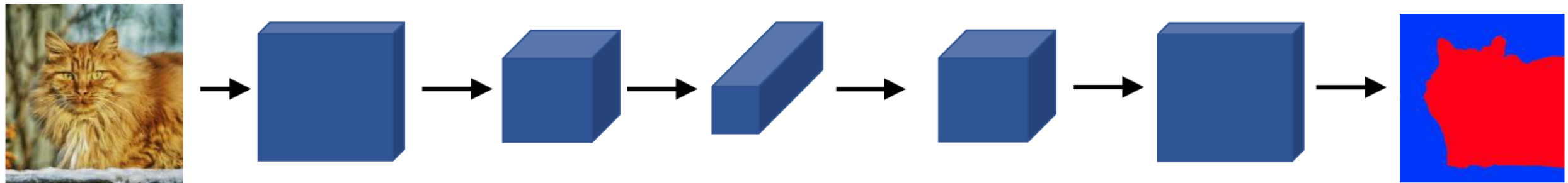
Per-Pixel class labels



- [illegible]

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DL for semantic segmentation



UNet

U-Net

