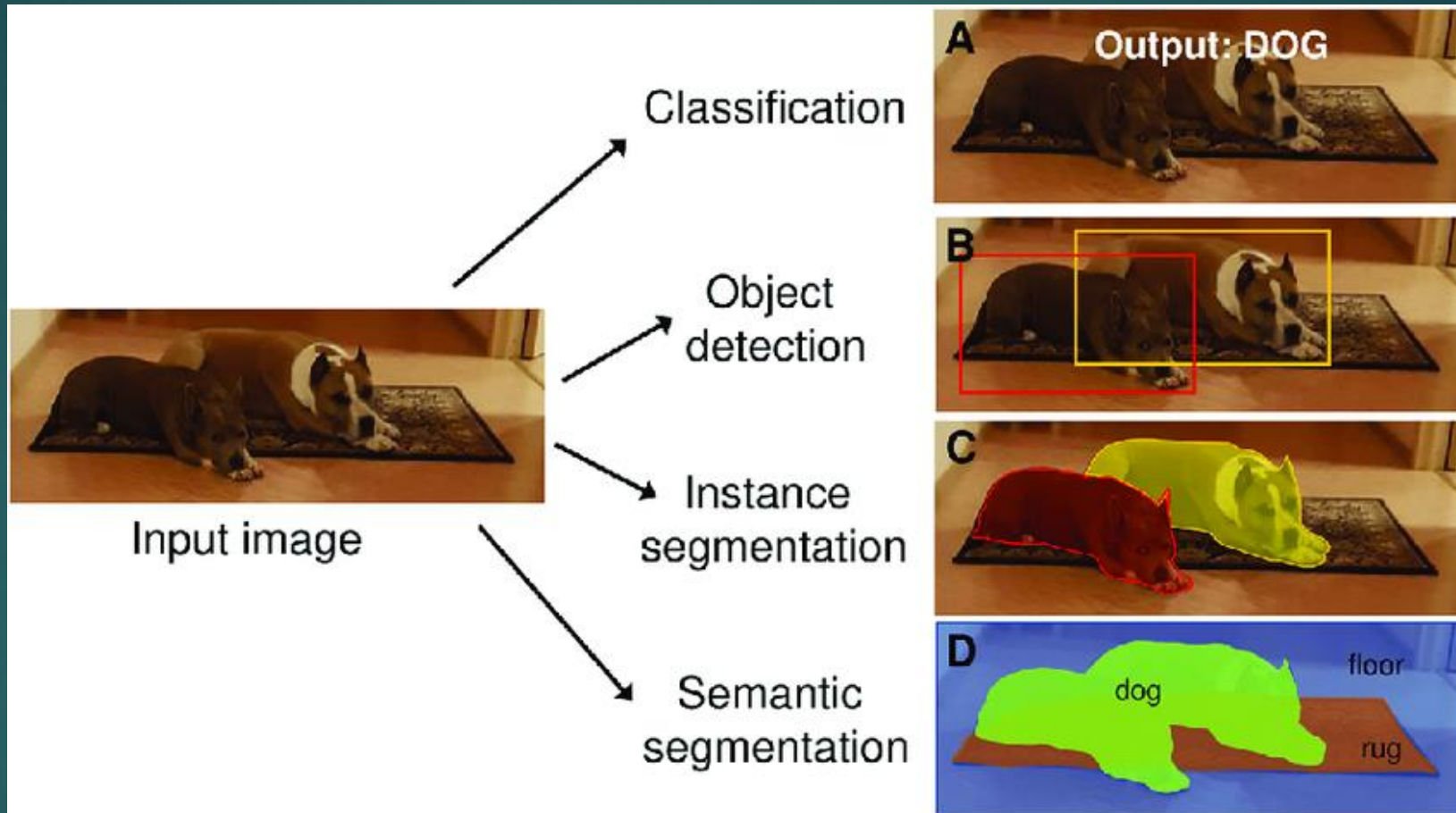




Image Segmentation With U-NET

AMIN HEYDARI

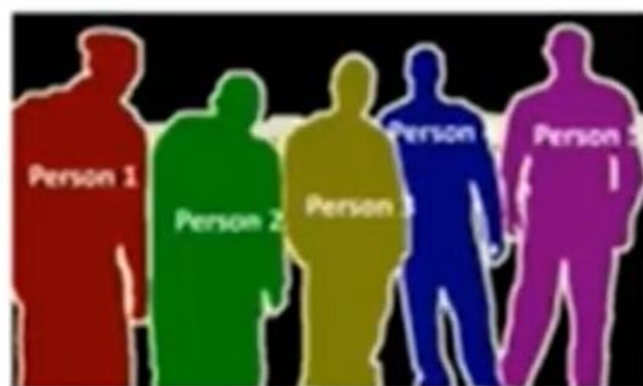




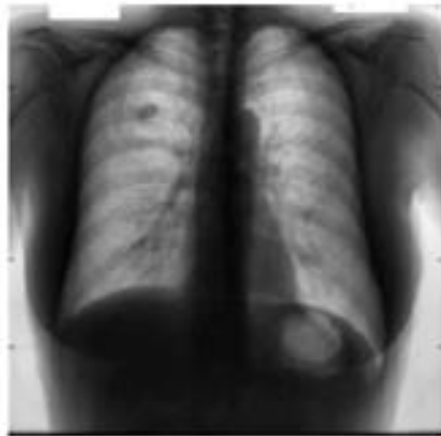
Object Detection



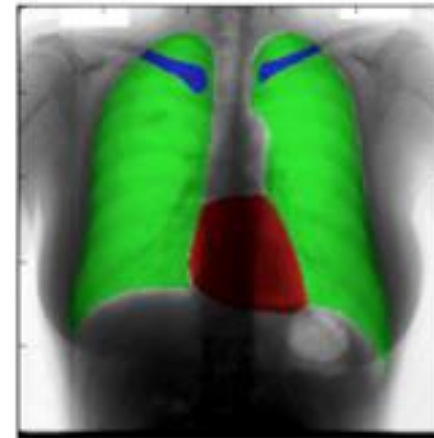
Semantic Segmentation



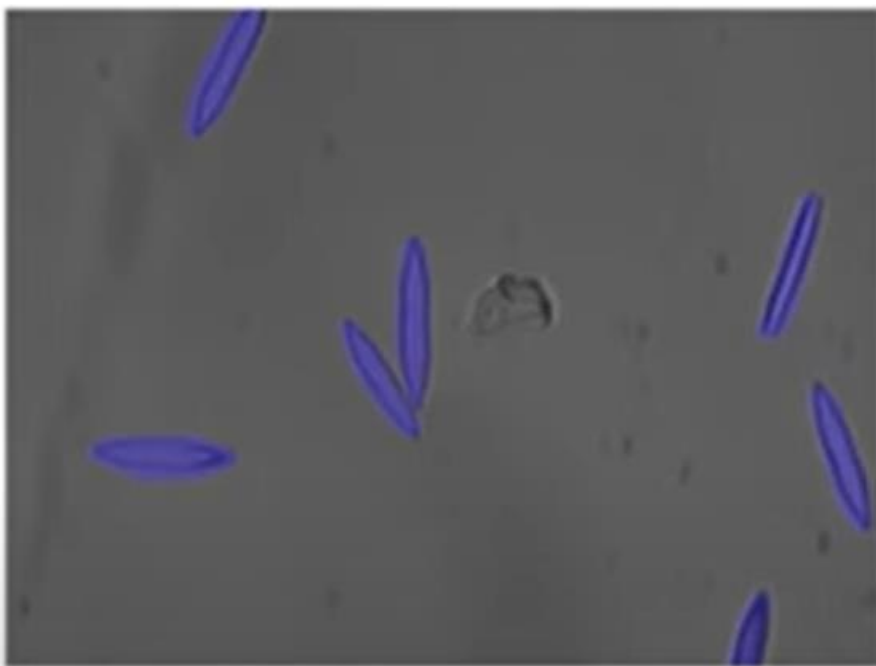
Instance Segmentation



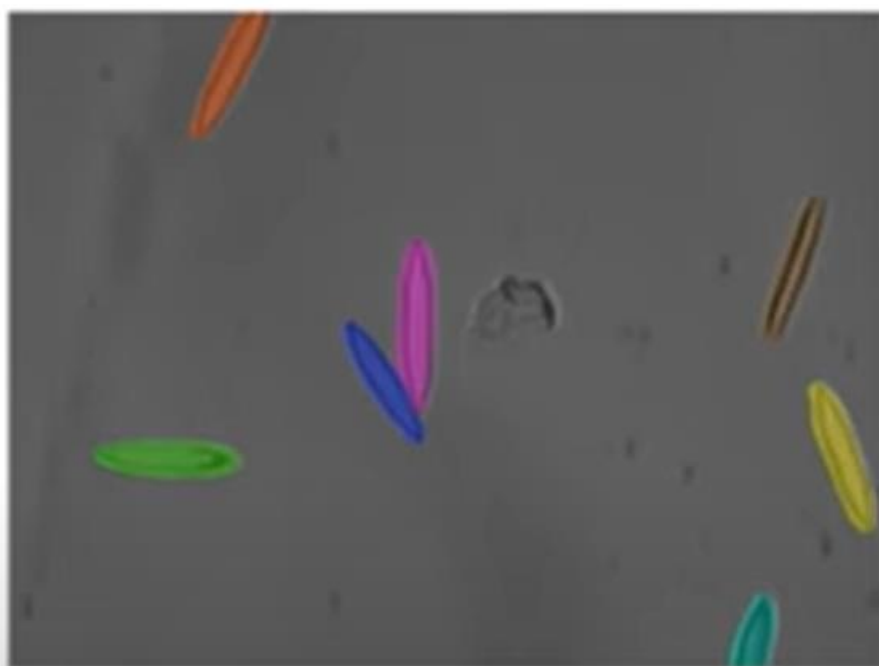
Input Image



Segmented Image



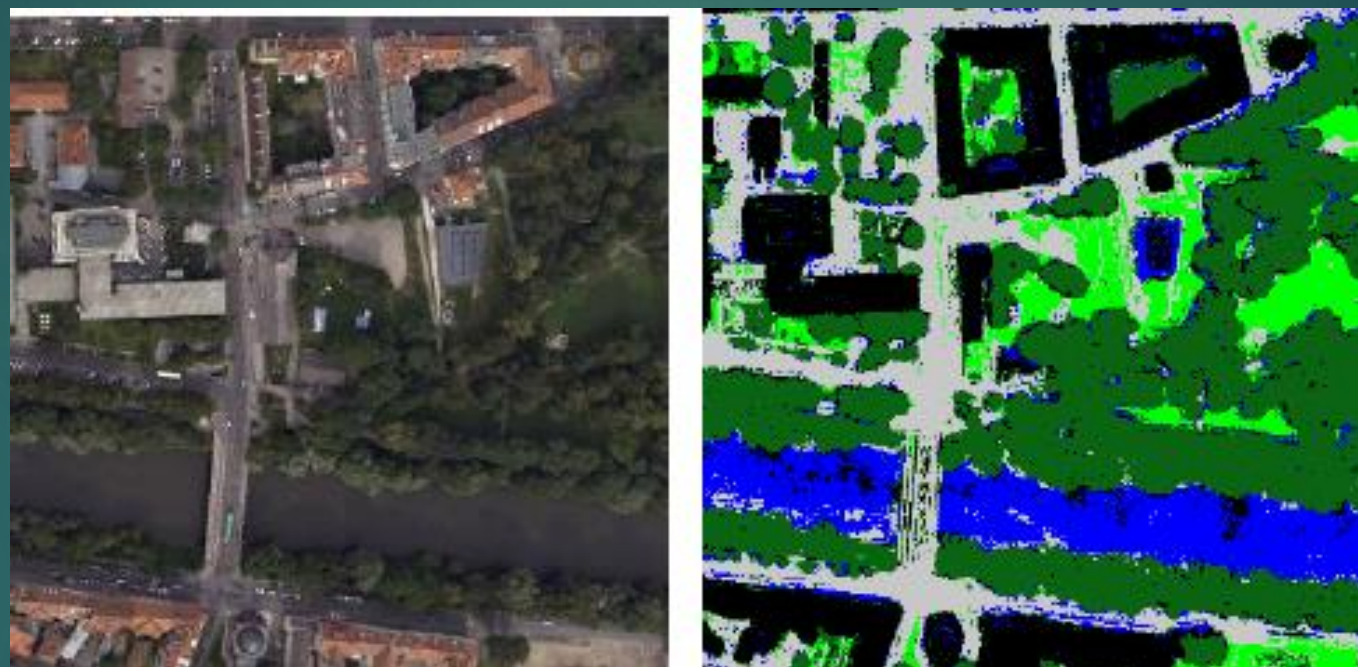
(a) Semantic segmentation mask.



(b) Instance segmentation mask.

DeepLab V3 xception_cityscapes_trainfine (GTX980M) INPUT_SIZE=1539
Prediction time: 403ms (2.5 fps) AVG: 356ms (2.8 fps)

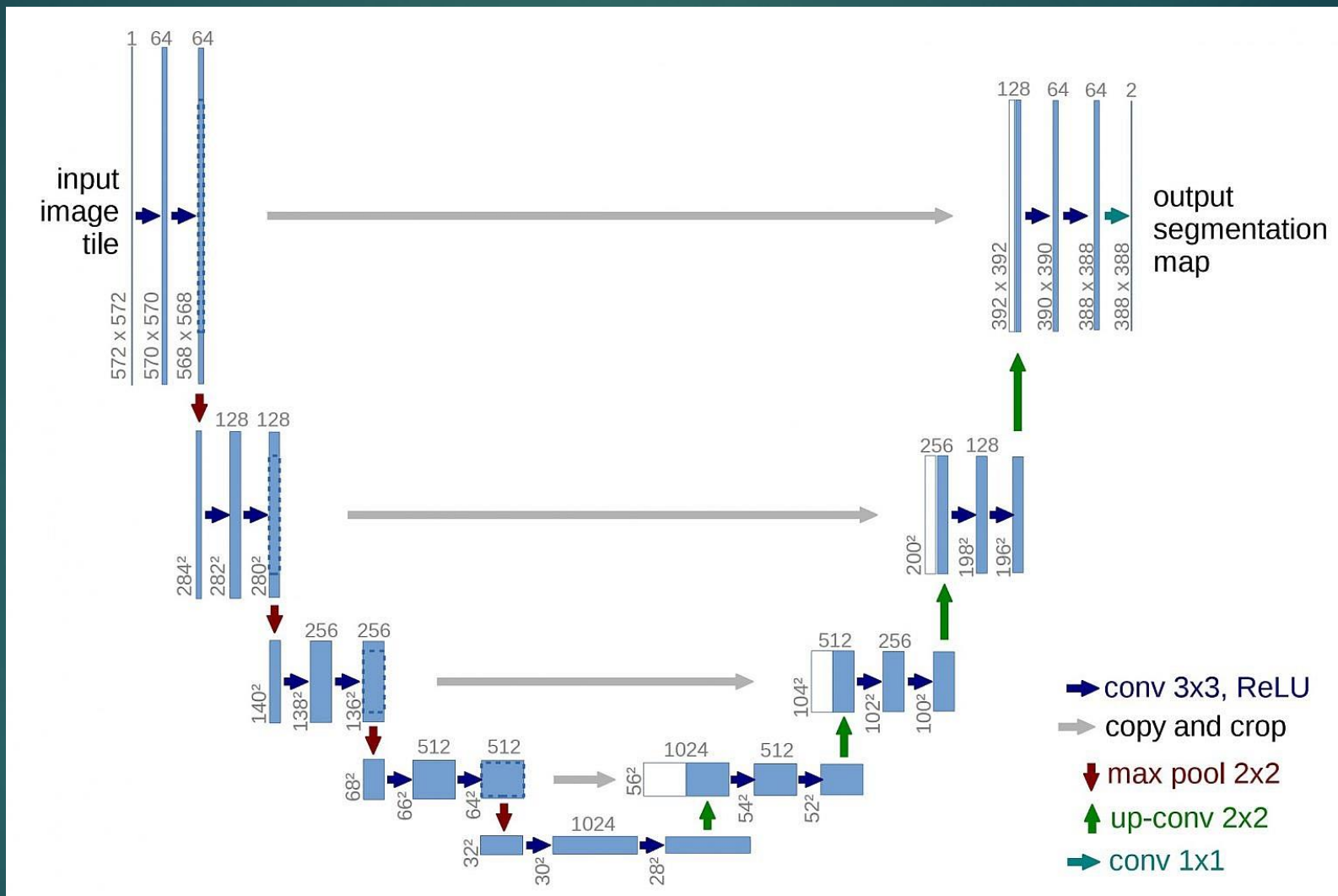






U-NET

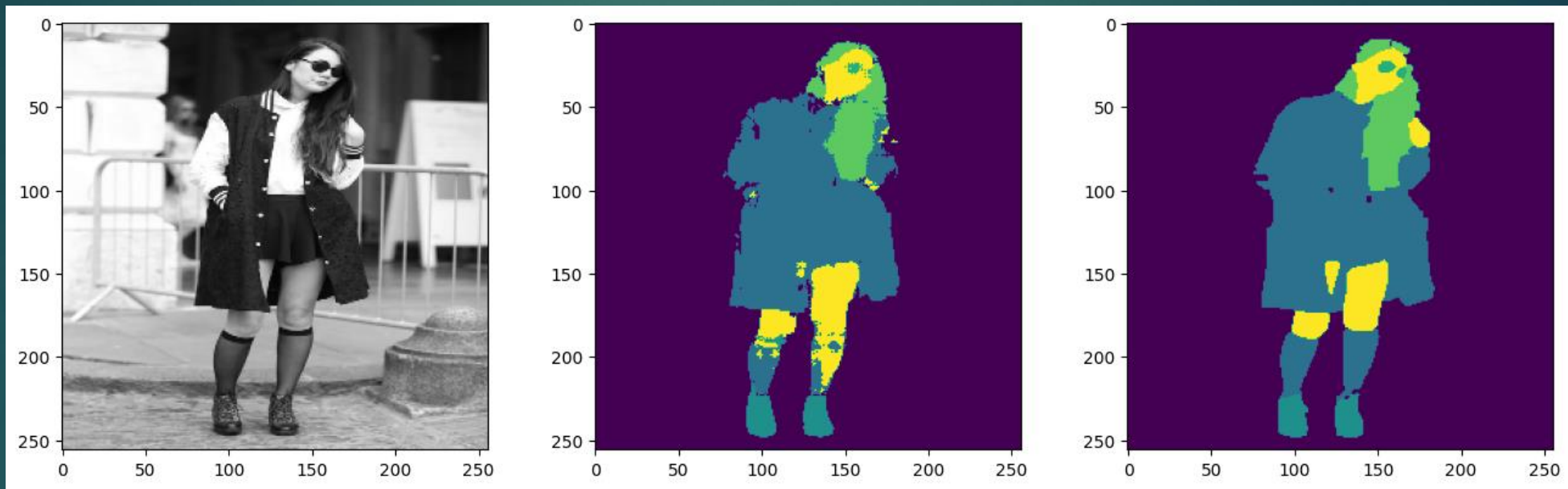
[HTTPS://ARXIV.ORG/PDF/1505.04597.PDF](https://arxiv.org/pdf/1505.04597.pdf)





People Clothing Segmentation

PROJECT



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People Clothing Segmentation

Outdoor Images of People and Semantic Segmentation Masks of Their Clothing

Data Card

Code (18)

Discussion (0)

About Dataset

Context

Semantic Segmentation is one of major tasks in Computer Vision. It is the pixel-wise classification of an image into object classes. This dataset contains 1000 images and segmentation masks pairs of individual people's clothing. With 59 object classes and a relatively lesser data, the task of modelling is expected to be a challenging one! The data needs no preprocessing, all images are of same size, same format, and ready to model.

Content

The dataset contains 1000 images and 1000 corresponding semantic segmentation masks each of size 825 pixels by 550 pixels in PNG format. The segmentation masks belong to 59 classes, the first being the background of individuals, and the rest belong to 58 clothing classes such as shirt, hair, pants, skin, shoes, glasses and so on. A CSV file containing the list of 59 classes is included in the dataset. The

Usability ⓘ

9.41

License

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Expected update frequency

Never

Tags

Arts and Entertainment

Dataset

<https://www.kaggle.com/datasets/rajkumarl/people-clothing-segmentation>