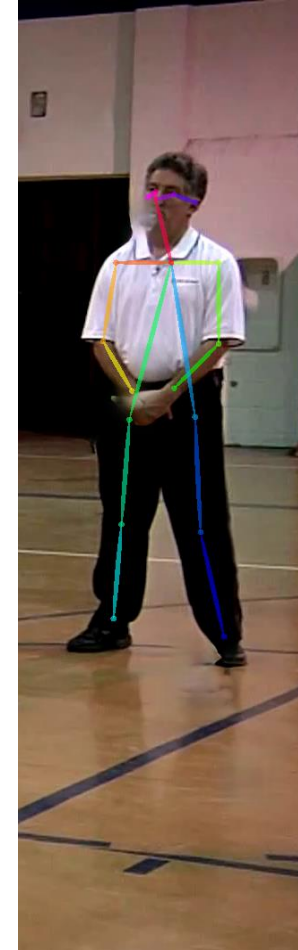


Chalearn Looking at People 2018
Image inpainting for human pose competition

Improving Pose Estimation with Generative Inpainting Networks

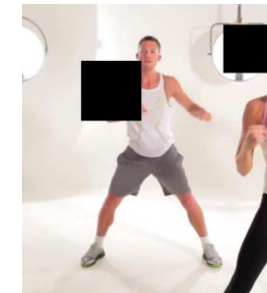
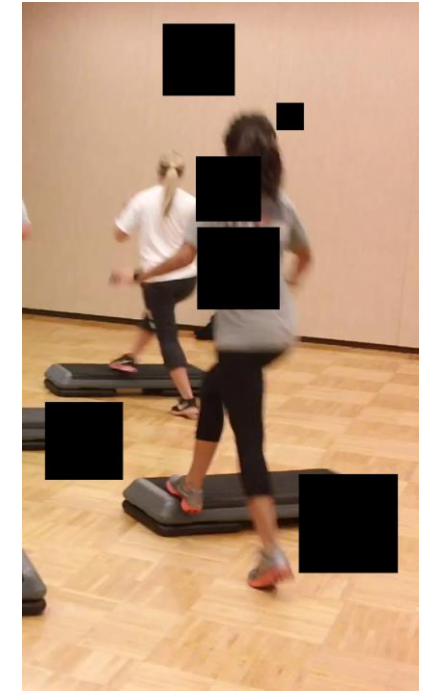
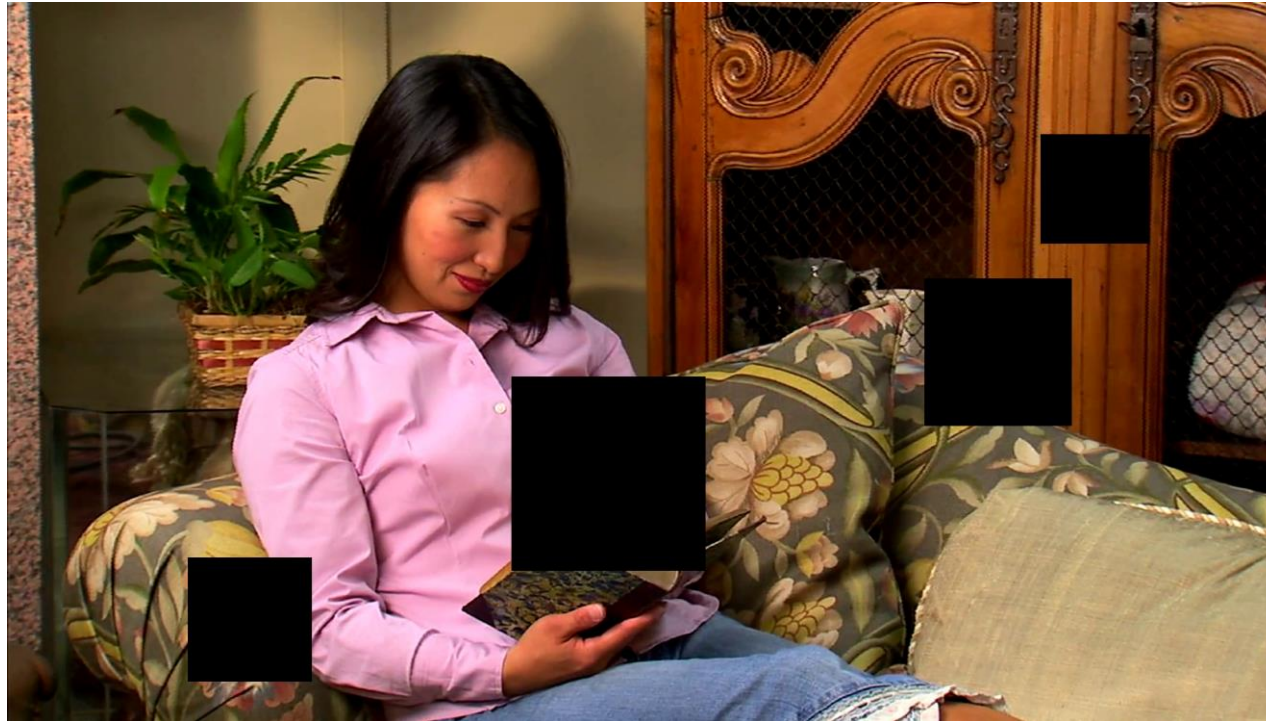
Gizem Esra Ünlü
Bogazici University, Istanbul
gizem.unlu1@boun.edu.tr

The task

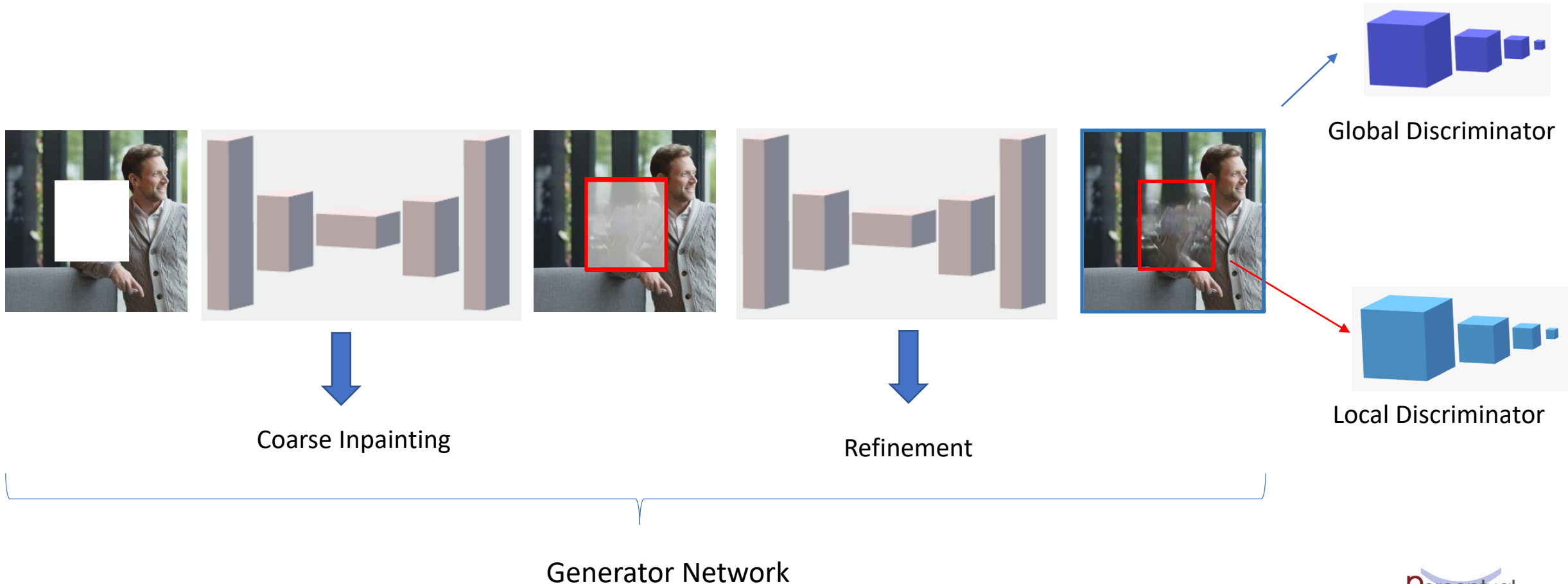


The main goal of the challenge is to generate realistic inpainting results with a focus on human body parts that can yield successful pose estimation on reconstructed images.

Competition Dataset

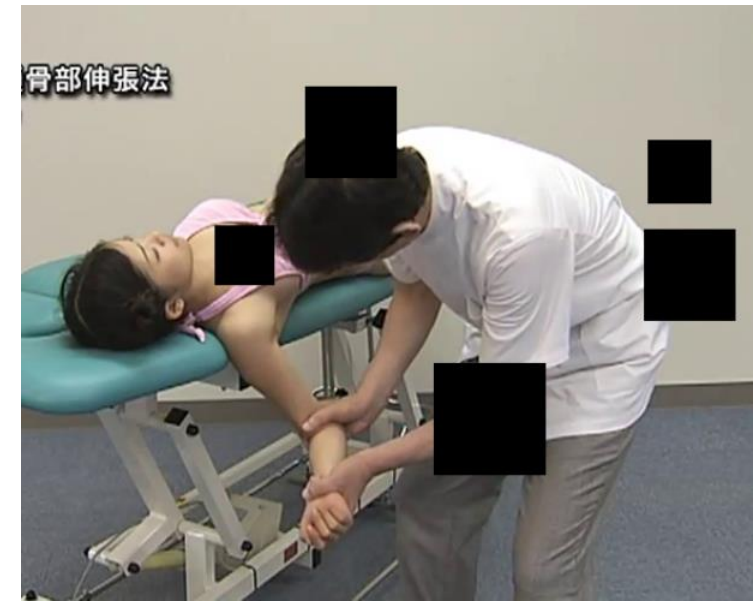


The model* used



[*] Yu, Jiahui, et al. "Generative image inpainting with contextual attention." *arXiv preprint* (2018)

Results



Some results on the challenge dataset.

Results



A reconstruction on a 1006x1080 image. The performance of the model deteriorates with increasing resolution since the model was trained on 256x256 images.

Results



A failed reconstruction where the head is complete masked.

Thanks!