Adult and kid detection using CNNs

INE410121 - Visão Computacional

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Objectives

From a given image:

- Detect the people
- Determine whether it is an adult

      using CNNs

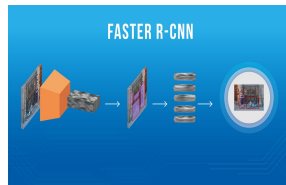=> Fine-tuning an already trained CNN

Implementation

Environment

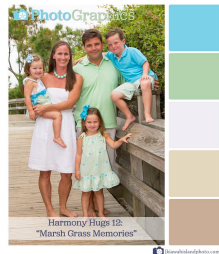GPU-enabled colaboratory notebook
Tensorflow object detection API
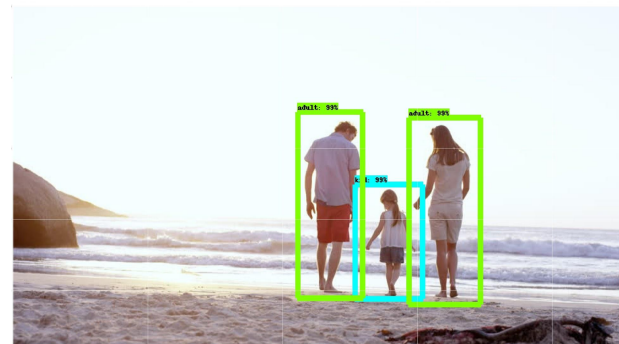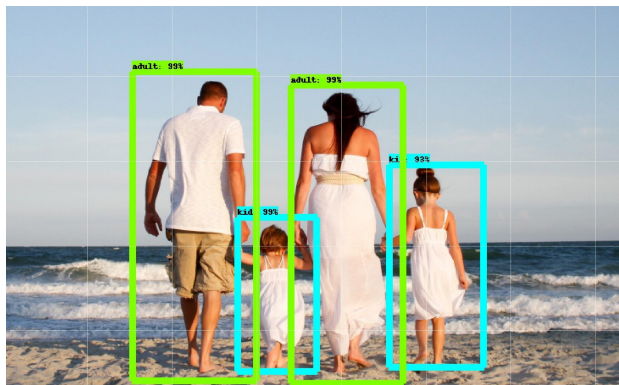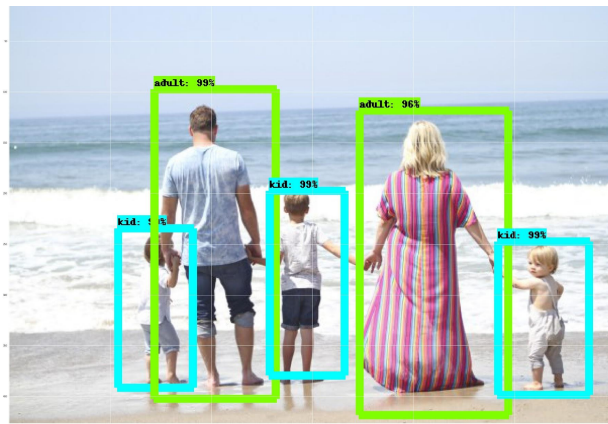

CNN

Faster RCNN
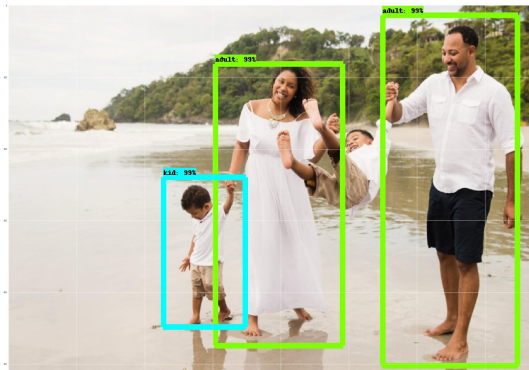Trained with the COCO dataset

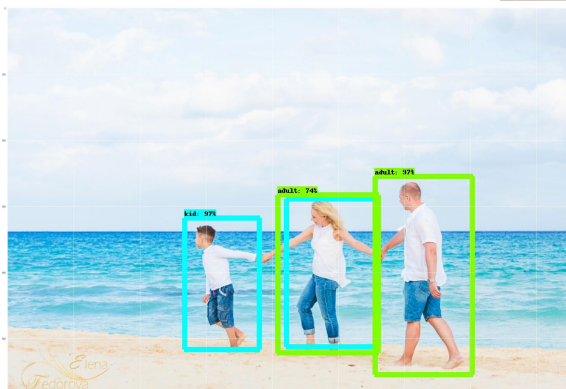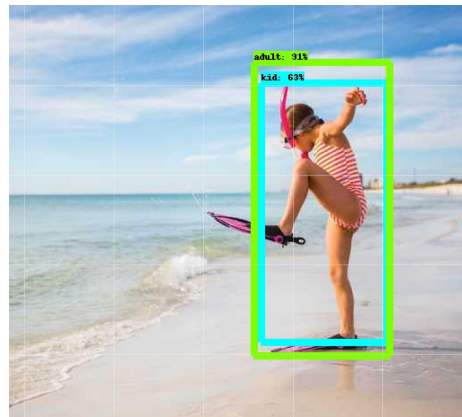## Dataset

40 training images
150 labels
75 adult labels
75 kid labels

Results
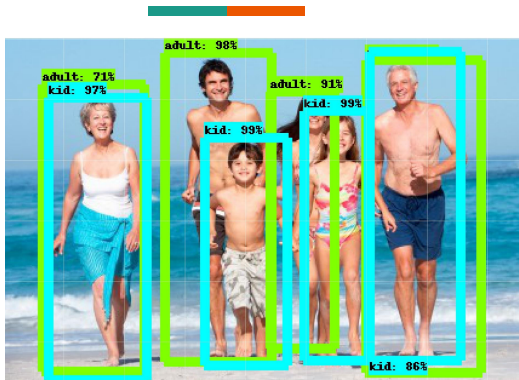
Results: Success

Results: Partial Success

Results: Failure