

Extra Assignment 12

Due Tuesday, January 21st, before class.

- 12.1) Download the OpenCV library from <http://opencv.org> and install it on your computer.

Familiarize yourself with the use of the Viola & Jones frontal face detector.

Apply it to an own image containing at least 8 faces.

Alternatively, you may use the following image:

http://www.ais.uni-bonn.de/nimbro/Humanoid/images/RC19/RoboCup_2019_Team_NimbRo.jpg

- a) Show the detected faces.

8 points

- b) How many faces are correctly detected?

How many faces are not detected?

How many false positives are detected?

6 points

- c) Compute precision, recall, and F1 score of the face detector.

6 points