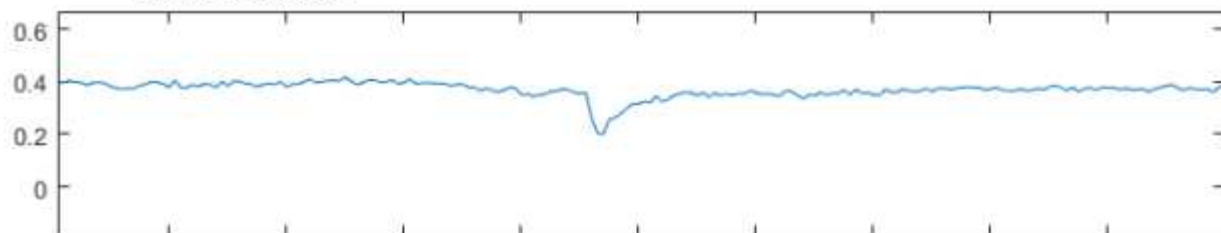
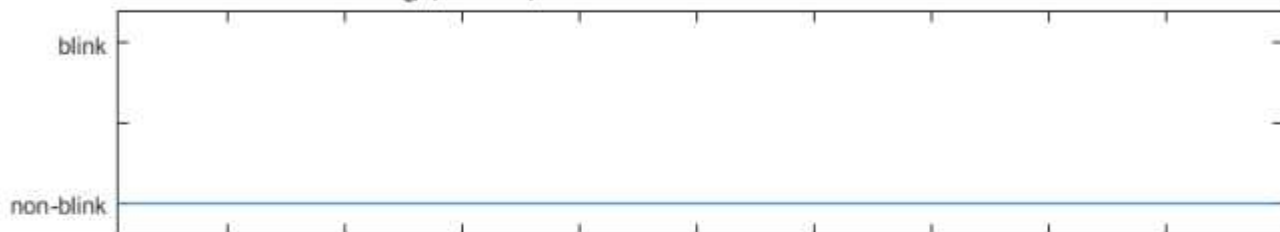


Eye aspect ratio:



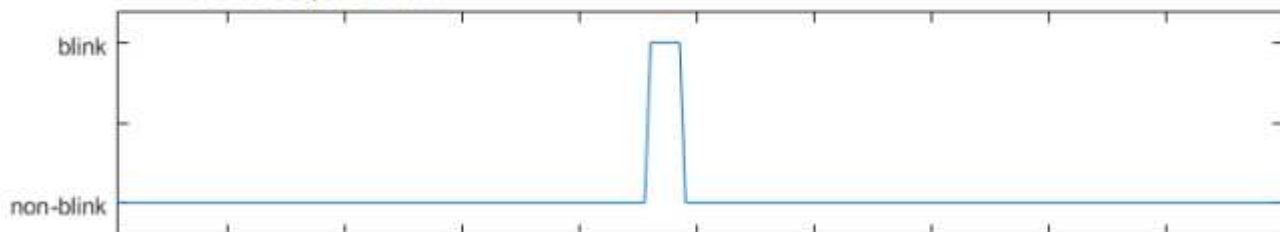
EAR thresholding ( $t = 0.2$ ):



EAR SVM output:



EAR adaptive HMM



Ground-truth:

