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Face Detection and Recognition

Published: 09 Oct 2015 Category: deep_learning

Papers

Deeply learned face representations are sparse, selective, and robust (DeepID2+)

- arxiv: <http://arxiv.org/abs/1412.1265>
- video: <http://research.microsoft.com/apps/video/?id=260023>
- video: <http://pan.baidu.com/s/1boufl3x>

Deep Learning Face Representation from Predicting 10,000 Classes

- paper: http://mmlab.ie.cuhk.edu.hk/pdf/YiSun_CVPR14.pdf
- github: https://github.com/stdcoutzyx/DeepID_FaceClassify

Multi-view Face Detection Using Deep Convolutional Neural Networks(Yahoo)

- arXiv: <http://arxiv.org/abs/1502.02766>

From Facial Parts Responses to Face Detection: A Deep Learning Approach



- project: <http://personal.ie.cuhk.edu.hk/~ys014/projects/Faceness/Faceness.html>

Deep Face Recognition(BMVC 2015)

- paper: <http://www.robots.ox.ac.uk/~vgg/publications/2015/Parkhi15/parkhi15.pdf>
- homapage: http://www.robots.ox.ac.uk/~vgg/software/vgg_face/

FaceNet: A Unified Embedding for Face Recognition and Clustering(CVPR 2015. Google)

- arXiv: <http://arxiv.org/abs/1503.03832>
- github: <https://github.com/cmusatyalab/openface>

Targeting Ultimate Accuracy: Face Recognition via Deep Embedding(CVPR 2015)

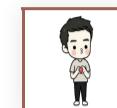
- arXiv: <http://arxiv.org/abs/1506.07310>

Compact Convolutional Neural Network Cascade for Face Detection

- arXiv: <http://arxiv.org/abs/1508.01292>
- github: <https://github.com/Bkmz21/FD-Evaluation>

WIDER FACE: A Face Detection Benchmark

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- 《暗涌》Faye Wong

LINKS

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- DataTau
- Medium
- Hacker News
- Quora



- arXiv: <http://arxiv.org/abs/1511.06523>
- homepage: <http://mmlab.ie.cuhk.edu.hk/projects/WIDERFace/>

The MegaFace Benchmark: 1 Million Faces for Recognition at Scale

- arXiv: <http://arxiv.org/abs/1512.00596>

Code

clmtrackr: Javascript library for precise tracking of facial features via Constrained Local Models

- github: <https://github.com/auduno/clmtrackr>
- blog: <http://auduno.com/post/61888277175/fitting-faces>
- demo: <http://auduno.github.io/clmtrackr/examples/facesubstitution.html>
- demo: http://auduno.github.io/clmtrackr/face_deformation_video.html
- demo: http://auduno.github.io/clmtrackr/examples/clm_emotiondetection.html
- demo: <http://auduno.com/post/84214587523/twisting-faces>

OpenFace: Face Recognition with Deep Neural Networks

- homepage: <http://cmusatyalab.github.io/openface/>
- github: <https://github.com/cmusatyalab/openface>

OpenFace 0.2.0: Higher accuracy and halved execution time

- homepage: <http://bamos.github.io/2016/01/19/openface-0.2.0/>

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