Detecting Faces Using Inside Cascaded Contextual CNN

Abstract

The ABSTRACT is to be in fully-justified italicized text, at the top of the left-hand column, below the author and affiliation information. Use the word "Abstract" as the title, in 12-point Times, boldface type, centered relative to the column, initially capitalized. The abstract is to be in 10-point, single-spaced type. Leave two blank lines after the Abstract, then begin the main text. Look at previous CVPR abstracts to get a feel for style and length.

0.1. Image



0.2. Table

col1	col2	col3
1.1	1.2	1.3
2.1	2.2	2.3

0.3. formula

$$h(\theta) = \sum_{j=0}^{n} \theta_j x_j$$

0.4. References

[1] N. Alejandro, Y. Kaiyu, and D. Jia. Stacked hourglass networks for human pose estimation. In ECCV, 2016. [2] A. Bulat and G. Tzimiropoulos. Human pose estimation via convolutional part heatmap regression. In ECCV, 2016. [3] J. Carreira, P. Agrawal, K. Fragkiadaki, and J. Malik. Human pose estimation with iterative error feedback. In CVPR, June 2016.

[4] D. Chen, S. Ren, Y. Wei, X. Cao, and J. Sun. Joint cascade face detection and alignment. In ECCV, pages 109122. Springer, 2014.

[5] R. Girshick, J. Donahue, T. Darrell, and J. Malik. Rich feature hierarchies for accurate object detection and semantic segmentation. In CVPR, pages 580587, 2014.

[6] K. He, X. Zhang, S. Ren, and J. Sun. Delving deep into rectifiers: Surpassing human-level performance on imagenet classification. In ICCV, pages 10261034, 2015.

[7] V. Jain and E. G. Learned-Miller. Fddb: A benchmark for face detection in unconstrained settings. UMass Amherst Technical Report, 2010.

[8] A. Krizhevsky, I. Sutskever, and G. E. Hinton. Imagenet classification with deep convolutional neural networks. In NIPS, pages 10971105, 2012.

[9] V. Kumar, A. Namboodiri, and C. Jawahar. Visual phrases for exemplar face detection. In ICCV, pages 19942002, 2015.

[10] Y. LeCun, B. Boser, J. S. Denker, D. Henderson, R. E. Howard, W. Hubbard, and L. D. Jackel. Backpropagation applied to handwritten zip code recognition. Neural computation, 1(4):541551, 1989.