

Clustering Millions of Faces By Identity

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The article was written by (Otto, Wang, and Jain 2018). It was cited 44 times according to Google Scholar. The task performed was face clustering. They used the F-measure metric over clusters with distractor images.

Hypothesis

The Rank-Order cluster proposed by (Zhu, Wen, and Sun 2011).

Evidence and Results

Dataset

Results

Contribution

The network architecture is VGG16 proposed by (Simonyan and Zisserman 2014).

Weaknesses

Future Work

References

- Otto, C., D. Wang, and A. K. Jain (Feb. 2018). “Clustering Millions of Faces by Identity”. In: *IEEE Transactions on Pattern Analysis and Machine Intelligence* 40.2, pp. 289–303. ISSN: 0162-8828. DOI: [10.1109/TPAMI.2017.2679100](https://doi.org/10.1109/TPAMI.2017.2679100).
- Simonyan, Karen and Andrew Zisserman (2014). “Very Deep Convolutional Networks for Large-Scale Image Recognition”. In: pp. 1–14. ISSN: 09505849. DOI: [10.1016/j.infsof.2008.09.005](https://doi.org/10.1016/j.infsof.2008.09.005). arXiv: [1409.1556](https://arxiv.org/abs/1409.1556). URL: <http://arxiv.org/abs/1409.1556>.
- Zhu, C., F. Wen, and J. Sun (June 2011). “A rank-order distance based clustering algorithm for face tagging”. In: *CVPR 2011*, pp. 481–488. DOI: [10.1109/CVPR.2011.5995680](https://doi.org/10.1109/CVPR.2011.5995680).