

# YOUNGER: Predicting Age with Deep Learning

by : Prem Ananda

## References

1. Rothe, R., Timofte R., Van Gool, L. (2015). *IMDB-WIKI – 500k+ Face Images with Age and Gender Labels*. Retrieved on May 10, 2021, from <https://data.vision.ee.ethz.ch/cvl/rrothe/imdb-wiki/>.
2. Rothe, R., Timofte, R., Van Gool, L. (2016). *Deep expectation of real and apparent age from a single image without facial landmarks*. Retrieved on May 10, 2021, from [https://data.vision.ee.ethz.ch/cvl/publications/papers/articles/eth\\_biwi\\_01299.pdf](https://data.vision.ee.ethz.ch/cvl/publications/papers/articles/eth_biwi_01299.pdf).
3. Parkhi, O., Vedaldi, A., Zisserman, A. (n.d.). *VGG Face Descriptor*. Retrieved on May 10, 2021, from [https://www.robots.ox.ac.uk/~vgg/software/vgg\\_face/](https://www.robots.ox.ac.uk/~vgg/software/vgg_face/).
4. Krizhevsky, A., Sutskever, I., and Hinton, G.E. (2012) *ImageNet Classification with Deep Convolutional Neural Networks*. In NIPS, pages 1106–1114, 2012.
5. LeCun, Y., Boser, B., Denker, J.S., Henderson, D., Howard, R.E., Hubbard, W., and Jackel, L.D. (1989). *Backpropagation Applied to Handwritten Zip Code Recognition*. In *Neural Computation*, vol. 1, no. 4, pp. 541–551.
6. Mathias, M., Benenson, R., Pedersoli, M., and Van Gool, L. (2014). *Face Detection without Bells and Whistles*. In Proc. ECCV. Retrieved on May 10, 2021, from [https://link.springer.com/content/pdf/10.1007%2F978-3-319-10593-2\\_47.pdf](https://link.springer.com/content/pdf/10.1007%2F978-3-319-10593-2_47.pdf).
7. Serengil, S. (2019). *Apparent Age and Gender Prediction in Keras*. Retrieved on May 10, 2021, from <https://sefiks.com/2019/02/13/apparent-age-and-gender-prediction-in-keras/>.
8. Abadi, M., et al. 2016. *TensorFlow: A System for Large-Scale Machine Learning*. In 12th USENIX Symposium on Operating Systems Design and Implementation (OSDI'16), pp. 265–283. Retrieved on May 10, 2021, from <https://www.usenix.org/system/files/conference/osdi16/osdi16-abadi.pdf>
9. Chollet, F., & others. (2015). *Keras*. GitHub. Retrieved on May 10, 2021, from <https://github.com/fchollet/keras>.
10. Van Rossum, G. and Drake Jr, F. L. (1995). *Python Reference Manual*. Centrum voor Wiskunde en Informatica Amsterdam.
11. McKinney, W.. (2010). *Data Structures for Statistical Computing in Python*. In Proceedings of the 9th Python in Science Conference (Vol. 445, pp. 51–56).
12. Deng, J., Dong, W., Socher, R., Li, L., Li, K., and Fei-Fei, L. (2009). *Imagenet: A Large-Scale Hierarchical Image Database*. In 2009 IEEE Conference on Computer Vision and Pattern Recognition, pp. 248–255.
13. Kluyver, T., et al. (2016). *Jupyter Notebooks – a publishing format for reproducible computational workflows*. In F. Loizides & B. Schmidt (Eds.), Positioning and Power in Academic Publishing: Players, Agents and Agendas, pp. 87–90.
14. Agarwal, P. (2020). *Age Detection Using Facial Images: traditional Machine Learning vs. Deep Learning*. Towards Data Science. Retrieved on May 10, 2021, from

<https://towardsdatascience.com/age-detection-using-facial-images-traditional-machine-learning-vs-deep-learning-2437b2feeab2>.

15. Parkhi, O., Vedaldi, A., and Zisserman, A. (2015). *Deep Face Recognition*. British Machine Vision Conference. In Xianghua Xie, Mark W. Jones, and Gary K. L. Tam, editors, Proceedings of the British Machine Vision Conference (BMVC), pages 41.1-41.12.
16. Chauhan, Nagesh, (2019). *Predict Age and Gender Using Convolutional Neural Network and OpenCV*. KDnuggets. Retrieved on May 10, 2021 from <https://www.kdnuggets.com/2019/04/predict-age-gender-using-convolutional-neural-network-opencv.html>
17. Sharma, Sagar (2017). *Epoch vs. Batch Size vs Iterations*. Towards Data Science. Retrieved on May 10, 2021 from <https://towardsdatascience.com/epoch-vs-iterations-vs-batch-size-4dfb9c7ce9c9>
18. West, Jeremy; Ventura, Dan; Warnick, Sean (2007). *Spring Research Presentation: A Theoretical Foundation for Inductive Transfer*. Brigham Young University, College of Physical and Mathematical Sciences. Archived from the original on 2007-08-01. Retrieved May 10, 2021
19. Serengil, S. (2019). *Deep Face Recognition with Keras*. Retrieved on May 10, 2021, from <https://sefiks.com/2018/08/06/deep-face-recognition-with-keras/>