

References

- [1] J. Brownlee. "9 Applications of Deep Learning for Computer Vision." Internet: <https://machinelearningmastery.com/applications-of-deep-learning-for-computer-vision/>, Jul. 5, 2019 [Mar. 17, 2020].
- [2] T. Ng, S. Chang, J. Hsu, and M. Pepeljugoksi. *Personal Columbia Set*, New York: DVMM Laboratory, Department of Electrical Engineering, Columbia University, 2005. [Online]. Available: http://www.ee.columbia.edu/ln/dvmm/downloads/PIM_PRCG_dataset/ [Feb. 28, 2020].
- [3] T. Ng, S. Chang, J. Hsu, and M. Pepeljugoksi, "Columbia Photographic Images and Photorealistic Computer Graphics Dataset," ADVENT Technical Report #205-2004-5, Columbia University, Feb. 2005. Accessed on: Feb. 28, 2020. [Online]. Available: http://www.ee.columbia.edu/ln/dvmm/publications/05/ng_cgdataset_05.pdf.
- [4] X. Gao (2020) MATH3333ProjectSampleCode (Version 1.0) [Source code]. https://github.com/techGIAN/CLOCK_Image_Classifier/blob/master/gao_sample.txt.
- [5] I. Goodfellow, Y. Bengio, and A. Courville. *Deep Learning*. Cambridge, MA: MIT Press, 2017.
- [6] Y. LeCun, C. Cortes, and C. Burges. *The MNIST Database of Handwritten Digits*, New York: Courant Institute, 1998. [Online]. Available: <http://yann.lecun.com/exdb/mnist/> [Mar. 18, 2020].
- [7] K. Murphy. *Machine Learning: A Probabilistic Perspective*. Cambridge, MA: MIT Press, 2012.
- [8] T. Hastie, R. Tibshirani, J. Friedman *The Elements of Statistical Learning: Data Mining, Inference, and Prediction*, 2nd ed. New York, NY: Springer, 2017.
- [9] A. Thyssen. "ImageMagick - Color Basics and Channels." Internet: http://www.imagemagick.org/Usage/color_basics/#channels, Mar. 09, 2011 [Feb. 28, 2020].
- [10] C. Bishop. *Pattern Recognition and Machine Learning*. New York, NY: Springer, 2006.
- [11] G. Alix, NN_notMNIST, (2019), GitHub Repository, https://github.com/techGIAN/NN_notMNIST/blob/master/NN_notMNIST.ipynb.
- [12] G. Alix, CNN_FaceScrub, (2019), GitHub Repository, https://github.com/techGIAN/CNN_FaceScrub/blob/master/CNN_FaceScrub.ipynb.
- [13] F. Lima. "Convolutional Neural Networks in R." Internet: <https://www.r-bloggers.com/convolutional-neural-networks-in-r/>, Jul. 08, 2018 [Mar. 17, 2020].
- [14] A.S. Walia. "How to implement Deep Learning in R using Keras and Tensorflow." Internet: <https://towardsdatascience.com/how-to-implement-deep-learning-in-r-using-keras-and-tensorflow-82d135ae4889>, Jun. 19, 2017 [Mar. 17, 2020].
- [15] F. Chollet & J.J. Allaire. "Image Classification on Small Datasets with Keras." Internet: <https://blogs.rstudio.com/tensorflow/posts/2017-12-14-image-classification-on-small-datasets/>, Dec. 13, 2017 [Mar. 17, 2020].
- [16] J. Kloppe. "Example of a convolutional neural network." Internet: https://rpubs.com/juanhkloppe/example_of_a_CNN, n.d. [Mar. 17, 2020].
- [17] N. Chawla, K. Bowyer, L. Hall, W.P. Kegelmeyer. (2002, June). "SMOTE: Synthetic Minority Over-sampling Technique." *Journal of Artificial Intelligence Research*. [Online]. Vol. 16, pp. 321-57. Available: <https://arxiv.org/pdf/1106.1813.pdf> [Apr 01, 2020].