DAFTAR PUSTAKA

Agresti, A. and Franklin, C., 2019. *Statistics The Art & Science of learning from Data*. *Pearson*.

Ahmad, W., Ali, H., Shah, Z. and Azmat, S., 2022. A new generative adversarial network for medical images super resolution. *Scientific Reports*, 12(1). https://doi.org/10.1038/s41598-022-13658-4.

Al-Absi, H.R.H., Pai, A., Naeem, U., Mohamed, F.K., Arya, S., Sbeit, R.A., Bashir, M., El Shafei, M.M., El Hajj, N. and Alam, T., 2024. DiaNet v2 deep learning based method for diabetes diagnosis using retinal images. *Scientific Reports*, 14(1). https://doi.org/10.1038/s41598-023-49677-y.

Ardison, A.C.I., Hutagalung, M.J.R., Chernando, R. and Cenggoro, T.W., 2022. Observing Pre-Trained Convolutional Neural Network (CNN) Layers as Feature Extractor for Detecting Bias in Image Classification Data. *CommIT Journal*, 16(2). https://doi.org/10.21512/commit.v16i2.8144.

Boag, W., Wacome, K. and Naumann, T., 2015. Cliner: A lightweight tool for clinical named entity recognition. *AMIA Joint Summits on ….*

Chang, H., Yeung, D.Y. and Xiong, Y., 2004. Super-resolution through neighbor embedding. In: *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. https://doi.org/10.1109/cvpr.2004.1315043.

Chen, X., Wang, X., Zhou, J., Qiao, Y. and Dong, C., 2022. Activating More Pixels in Image Super-Resolution Transformer. [online] Available at: <http://arxiv.org/abs/2205.04437>.

Cheng, M., Ma, H., Ma, Q., Sun, X., Li, W., Zhang, Z., Sheng, X., Zhao, S., Li, J. and Zhang, L., 2023. Hybrid Transformer and CNN Attention Network for Stereo Image Super-resolution. [online] Available at: <http://arxiv.org/abs/2305.05177>.

Christensen-Jeffries, K., Browning, R.J., Tang, M.X., Dunsby, C. and Eckersley, R.J., 2015. In vivo acoustic super-resolution and super-resolved velocity mapping using microbubbles. *IEEE Transactions on Medical Imaging*, 34(2). https://doi.org/10.1109/TMI.2014.2359650.

Connoly, J.L., Schnitt, S.J., Wang, H.H., Longtine, J. a, Dvorak, a and Dvorak, H.F., 2003. Tumor Structure and Tumor Stroma Generation. *Holland-Frei Cancer Medicine*.

Daumke, P., Heitmann, K.U., Heckmann, S., Martínez-Costa, C. and Schulz, S., 2019. Clinical text mining on FHIR. In: *Studies in Health Technology and Informatics*. https://doi.org/10.3233/SHTI190188.

Dencks, S., Piepenbrock, M., Opacic, T., Krauspe, B., Stickeler, E., Kiessling, F. and Schmitz, G., 2019. Clinical Pilot Application of Super-Resolution US Imaging in Breast Cancer. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, 66(3). https://doi.org/10.1109/TUFFC.2018.2872067.

Dong, C., Loy, C.C., He, K. and Tang, X., 2014. Learning a deep convolutional network for image super-resolution. In: *Lecture Notes in Computer Science*

(including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). https://doi.org/10.1007/978-3-319-10593-2_13.

Dong, C., Loy, C.C., He, K. and Tang, X., 2016. Image Super-Resolution Using Deep Convolutional Networks. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 38(2). https://doi.org/10.1109/TPAMI.2015.2439281.

Elad, M. and Feuer, A., 1997. Restoration of a single superresolution image from several blurred, noisy, and undersampled measured images. *IEEE Transactions on Image Processing*, 6(12). https://doi.org/10.1109/83.650118.

Eyre, H., Chapman, A.B., Peterson, K.S., Shi, J., Alba, P.R., Jones, M.M., Box, T.L., Duvall, S.L. and Patterson, O. V, 2021. Launching into clinical space with medspaCy: a new clinical text processing toolkit in Python. In: *AMIA Annual Symposium Proceedings*. [online] Available at: <https://spacy.io/>.

Gavale, A.B. and Sane, P., 2014. Super Resolution Image Reconstruction By Using Bicubic Interpolation. *ATEES 2014 National Conferenc*, (October 2013).

Ghosh, A., Sufian, A., Sultana, F., Chakrabarti, A. and De, D., 2019. Fundamental concepts of convolutional neural network. In: *Intelligent Systems Reference Library*. https://doi.org/10.1007/978-3-030-32644-9_36.

Gornale, S. and Patravali, P., 2020. *Digital Knee X-ray Images*. *Mendeley Data*, https://doi.org/10.17632/t9ndx37v5h.1.

Van Harten, B., De Leeuw, F.-E., Weinstein, H.C., Scheltens, P. and Biessels, G.J., 2006. Brain Imaging in Patients With Diabetes A systematic review. [online] https://doi.org/10.2337/dc-06-1637.

Hatvani, J., Horvath, A., Michetti, J., Basarab, A., Kouamé, D. and Gyöngy, M., 2019. Deep Learning-Based Super-Resolution Applied to Dental Computed Tomography; Deep Learning-Based Super-Resolution Applied to Dental Computed Tomography. *Radiation and Plasma Medical Sciences*, [online] 3(2), pp.120–128. https://doi.org/10.1109/TRPMS.2018.2827239ï.

Horé, A. and Ziou, D., 2010. Image quality metrics: PSNR vs. SSIM. In: *Proceedings - International Conference on Pattern Recognition*. https://doi.org/10.1109/ICPR.2010.579.

Hsieh, J., 2022. *Computed Tomography: Principles, Design, Artifacts, and Recent Advances, Fourth Edition*. *Computed Tomography: Principles, Design, Artifacts, and Recent Advances, Fourth Edition*. https://doi.org/10.1117/3.2605933.

Huang, G., Sun, Y., Liu, Z., Sedra, D. and Weinberger, K.Q., 2016. Deep networks with stochastic depth. In: *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*. https://doi.org/10.1007/978-3-319-46493-0_39.

Huang, J., Fang, Y., Wu, Y., Wu, H., Gao, Z., Li, Y., Ser, J. Del, Xia, J. and Yang, G., 2022. Swin transformer for fast MRI. *Neurocomputing*, 493, pp.281–304. https://doi.org/10.1016/j.neucom.2022.04.051.

Jun, C., 2017. *brain tumor dataset*. *figshare*. https://doi.org/10.6084/m9.figshare.1512427.v5.

Kim, J., Lee, J.K. and Lee, K.M., 2016. Deeply-recursive convolutional network for image super-resolution. In: *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. https://doi.org/10.1109/CVPR.2016.181.

Korhonen, J. and You, J., 2012. Peak signal-to-noise ratio revisited: Is simple beautiful? In: *2012 4th International Workshop on Quality of Multimedia Experience, QoMEX 2012*. https://doi.org/10.1109/QoMEX.2012.6263880.

Ledig, C., Theis, L., Huszar, F., Caballero, J., Cunningham, A., Acosta, A., Aitken, A., Tejani, A., Totz, J., Wang, Z. and Shi, W., 2016. Photo-Realistic Single Image Super-Resolution Using a Generative Adversarial Network. [online] Available at: <http://arxiv.org/abs/1609.04802>.

de Leeuw den Bouter, M.L., Ippolito, G., O'Reilly, T.P.A., Remis, R.F., van Gijzen, M.B. and Webb, A.G., 2022. Deep learning-based single image super-resolution for low-field MR brain images. *Scientific Reports*, 12(1). https://doi.org/10.1038/s41598-022-10298-6.

Liang, J., Cao, J., Sun, G., Zhang, K., Van Gool, L. and Timofte, R., 2021. SwinIR: Image Restoration Using Swin Transformer. [online] Available at: <http://arxiv.org/abs/2108.10257>.

Lin, Y.K., Chen, H. and Brown, R.A., 2013. MedTime: A temporal information extraction system for clinical narratives. *Journal of Biomedical Informatics*, 46(SUPPL.). https://doi.org/10.1016/j.jbi.2013.07.012.

Liu, Z., Lin, Y., Cao, Y., Hu, H., Wei, Y., Zhang, Z., Lin, S. and Guo, B., 2021. Swin Transformer: Hierarchical Vision Transformer using Shifted Windows. [online] Available at: <http://arxiv.org/abs/2103.14030>.

Liu, Z., Tong, L., Chen, L., Jiang, Z., Zhou, F., Zhang, Q., Zhang, X., Jin, Y. and Zhou, H., 2023. Deep learning based brain tumor segmentation: a survey. *Complex and Intelligent Systems*, 9(1). https://doi.org/10.1007/s40747-022-00815-5.

Lu, W., Jiang, J., Tian, H., Gu, J., Lu, Y., Yang, W., Gong, M., Han, T., Jiang, X. and Zhang, T., 2023. Asymmetric convolution Swin transformer for medical image super-resolution. *Alexandria Engineering Journal*, 85, pp.177–184. https://doi.org/10.1016/j.aej.2023.11.044.

Maire, E. and Withers, P.J., 2014. *Quantitative X-ray tomography. International Materials Reviews*, https://doi.org/10.1179/1743280413Y.0000000023.

Maleki, N., 2020. *CT-Scan images. Mendeley Data*, https://doi.org/10.17632/p2r42nm2ty.3.

Milletari, F., Navab, N. and Ahmadi, S.A., 2016. V-Net: Fully convolutional neural networks for volumetric medical image segmentation. In: *Proceedings - 2016 4th International Conference on 3D Vision, 3DV 2016*. https://doi.org/10.1109/3DV.2016.79.

Morris, P. and Perkins, A., 2012. *Diagnostic imaging. The Lancet*, https://doi.org/10.1016/S0140-6736(12)60429-2.

Oktay, O., Ferrante, E., Kamnitsas, K., Heinrich, M., Bai, W., Caballero, J., Cook, S.A., De Marvao, A., Dawes, T., O'Regan, D.P., Kainz, B., Glocker, B. and Rueckert, D., 2018. Anatomically Constrained Neural Networks (ACNNs): Application to Cardiac Image Enhancement and Segmentation. *IEEE*

Transactions on Medical Imaging, 37(2).
https://doi.org/10.1109/TMI.2017.2743464.

Patel, V. and Mankodia, A., 2023. *Deep Learning in Medical Image Super-Resolution: A Survey. International Journal of Engineering Trends and Technology*, https://doi.org/10.14445/22315381/IJETT-V71I8P201.

Puttagunta, M., Subban, R. and Babu C, N.K., 2022. SwinIR Transformer Applied for Medical Image Super-Resolution. In: *Procedia Computer Science*. Elsevier B.V. pp.907–913. https://doi.org/10.1016/j.procs.2022.08.110.

Qiu, D., Cheng, Y. and Wang, X., 2023. Progressive Feedback Residual Attention Network for Cardiac Magnetic Resonance Imaging Super-Resolution. *IEEE Journal of Biomedical and Health Informatics*, 27(7).
https://doi.org/10.1109/JBHI.2023.3272155.

Qiu, D., Zhang, S., Liu, Y., Zhu, J. and Zheng, L., 2020. Super-resolution reconstruction of knee magnetic resonance imaging based on deep learning. *Computer Methods and Programs in Biomedicine*, 187.
https://doi.org/10.1016/j.cmpb.2019.105059.

Qiu, D., Zheng, L., Zhu, J. and Huang, D., 2021. Multiple improved residual networks for medical image super-resolution. *Future Generation Computer Systems*, 116, pp.200–208. https://doi.org/10.1016/j.future.2020.11.001.

Rodriguez, M.A., Almarzouqi, H. and Liatsis, P., 2023. Multi-Label Retinal Disease Classification Using Transformers. *IEEE Journal of Biomedical and Health Informatics*, 27(6). https://doi.org/10.1109/JBHI.2022.3214086.

Schlemper, J., Caballero, J., Hajnal, J. V., Price, A.N. and Rueckert, D., 2018. A Deep Cascade of Convolutional Neural Networks for Dynamic MR Image Reconstruction. *IEEE Transactions on Medical Imaging*, 37(2).
https://doi.org/10.1109/TMI.2017.2760978.

Shen, L., Margolies, L.R., Rothstein, J.H., Fluder, E., McBride, R. and Sieh, W., 2019. Deep Learning to Improve Breast Cancer Detection on Screening Mammography. *Scientific Reports*, 9(1). https://doi.org/10.1038/s41598-019-48995-4.

Tai, Y., Yang, J. and Liu, X., 2017. Image super-resolution via deep recursive residual network. In: *Proceedings - 30th IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2017*.
https://doi.org/10.1109/CVPR.2017.298.

Tang, S., Wang, C., Nie, J., Kumar, N., Zhang, Y., Xiong, Z. and Barnawi, A., 2021. EDL-COVID: Ensemble Deep Learning for COVID-19 Case Detection from Chest X-Ray Images. *IEEE Transactions on Industrial Informatics*, 17(9). https://doi.org/10.1109/TII.2021.3057683.

Tong, T., Li, G., Liu, X. and Gao, Q., 2017. Image Super-Resolution Using Dense Skip Connections. In: *Proceedings of the IEEE International Conference on Computer Vision*. https://doi.org/10.1109/ICCV.2017.514.

Vaswani, A., Shazeer, N., Parmar, N., Uszkoreit, J., Jones, L., Gomez, A.N., Kaiser, L. and Polosukhin, I., 2017. Attention Is All You Need. [online] Available at: <http://arxiv.org/abs/1706.03762>.

Wang, B., Yan, B., Jeon, G., Yang, X., Liu, C. and Zhang, Z., 2022. Lightweight Dual Mutual-Feedback Network for Artificial Intelligence in Medical Image

Asymmetric Hybrid Attention Transformer for Medical Images Super-Resolution
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Super-Resolution. *Applied Sciences (Switzerland)*, 12(24). https://doi.org/10.3390/app122412794.

Wang, C., Wang, S., Xia, Z., Li, Q., Ma, B., Li, J., Yang, M. and Shi, Y.Q., 2021a. Medical image super-resolution via deep residual neural network in the shearlet domain. *Multimedia Tools and Applications*, 80(17). https://doi.org/10.1007/s11042-021-10894-0.

Wang, X., Xie, L., Dong, C. and Shan, Y., 2021b. Real-ESRGAN: Training Real-World Blind Super-Resolution with Pure Synthetic Data. [online] Available at: <http://arxiv.org/abs/2107.10833>.

Wang, Z., Bovik, A.C., Sheikh, H.R. and Simoncelli, E.P., 2004. Image quality assessment: From error visibility to structural similarity. *IEEE Transactions on Image Processing*, 13(4). https://doi.org/10.1109/TIP.2003.819861.

Withers, P.J., Bouman, C., Carmignato, S., Cnudde, V., Grimaldi, D., Hagen, C.K., Maire, E., Manley, M., Du Plessis, A. and Stock, S.R., 2021. *X-ray computed tomography. Nature Reviews Methods Primers*, https://doi.org/10.1038/s43586-021-00015-4.

Yamashita, R., Nishio, M., Do, R.K.G. and Togashi, K., 2018. *Convolutional neural networks: an overview and application in radiology. Insights into Imaging*, https://doi.org/10.1007/s13244-018-0639-9.

Yi, X., Walia, E. and Babyn, P., 2019. Generative adversarial network in medical imaging: A review. *Medical Image Analysis*, 58. https://doi.org/10.1016/j.media.2019.101552.

Zhang, H., Shinomiya, Y. and Yoshida, S., 2021. 3d mri reconstruction based on 2d generative adversarial network super-resolution. *Sensors*, 21(9). https://doi.org/10.3390/s21092978.

Zhang, J., Jiang, Z., Dong, J., Hou, Y. and Liu, B., 2020. Attention Gate ResU-Net for Automatic MRI Brain Tumor Segmentation. *IEEE Access*, 8. https://doi.org/10.1109/ACCESS.2020.2983075.

Zhang, Y., Shi, F., Cheng, J., Wang, L., Yap, P.T. and Shen, D., 2019. Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. *IEEE Transactions on Cybernetics*, 49(2). https://doi.org/10.1109/TCYB.2017.2786161Y.

Zhang, Y., Ye, F., Chen, L., Xu, F., Chen, X., Wu, H., Cao, M., Li, Y., Wang, Y. and Huang, X., 2023. Children's dental panoramic radiographs dataset for caries segmentation and dental disease detection. *Scientific Data*, 10(1). https://doi.org/10.1038/s41597-023-02237-5.

Ziegel, E.R., 2003. The Elements of Statistical Learning. *Technometrics*, 45(3). https://doi.org/10.1198/tech.2003.s770.

Zomet, A., Rav-Acha, A. and Peleg, S., 2001. Robust super-resolution. In: *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*. https://doi.org/10.1109/cvpr.2001.990535.