Reading assignment papers

[1] Spasov, S., Passamonti, L., Duggento, A., Lio, P., Toschi, N., & Alzheimer's Disease Neuroimaging Initiative. (2019). A parameter-efficient deep learning approach to predict conversion from mild cognitive impairment to Alzheimer's disease. *Neuroimage*, *189*, 276-287.

[2] Peng, H., Gong, W., Beckmann, C. F., Vedaldi, A., & Smith, S. M. (2021). Accurate brain age prediction with lightweight deep neural networks. *Medical image analysis*, *68*, 101871.

[3] Way, G. P., Sanchez-Vega, F., La, K., Armenia, J., Chatila, W. K., Luna, A., Sander, C., Cherniack, A. D., Ma, D., Ciriello, G., Schultz, N., Sanchez, Y., & Greene, C. S. (2018). Machine Learning Detects Pan-cancer Ras Pathway Activation in The Cancer Genome Atlas. *Cell Reports*, *23*(1), 172-180.e3. https://doi.org/10.1016/j.celrep.2018.03.046

[4] Saltz, J. H., Gupta, R., Hou, L., Kurc, T., Singh, P. K., Nguyen, V., Samaras, D., Shroyer, K. R., Zhao, T., Batiste, R., Van Arnam, J., Shmulevich, I., Rao, A., Lazar, A. J., Sharma, A., & Thorsson, V. (2018). Spatial organization and molecular correlation of Tumor-Infiltrating lymphocytes using deep learning on pathology images. *Cell Reports*, *23*(1), 181-193.e7. <https://doi.org/10.1016/j.celrep.2018.03.086>

[5] Qiao C, Gao B, Liu Y, Hu X, Hu W, Calhoun VD, Wang YP. Deep learning with explainability for characterizing age-related intrinsic differences in dynamic brain functional connectivity. Med Image Anal. 2023 Sep 1;90:102941. doi: 10.1016/j.media.2023.102941. Epub ahead of print. PMID: 37683445.

[6] Gholami M, Ward R, Mahal R, Mirian M, Yen K, Park KW, McKeown MJ, Wang ZJ. Automatic labeling of Parkinson's Disease gait videos with weak supervision. Med Image Anal. 2023 Oct;89:102871. doi: 10.1016/j.media.2023.102871. Epub 2023 Jun 25. PMID: 37480795.

[7] Pu J, Gezer NS, Ren S, Alpaydin AO, Avci ER, Risbano MG, Rivera-Lebron B, Chan SY, Leader JK. Automated detection and segmentation of pulmonary embolisms on computed tomography pulmonary angiography (CTPA) using deep learning but without manual outlining. Med Image Anal. 2023 Oct;89:102882. doi: 10.1016/j.media.2023.102882. Epub 2023 Jul 14. PMID: 37482032.

[8] S. Pouriyeh, S. Vahid, G. Sannino, G. De Pietro, H. Arabnia and J. Gutierrez, "A comprehensive investigation and comparison of Machine Learning Techniques in the domain of heart disease," 2017 IEEE Symposium on Computers and Communications (ISCC), Heraklion, Greece, 2017, pp. 204-207, doi: 10.1109/ISCC.2017.8024530.

[9] K. Hasan, S. Islam, M. M. Rashid Khan Samio and A. Chakrabarty, "A Machine Learning Approach on Classifying Orthopedic Patients Based on Their Biomechanical Features," 2018 Joint 7th International Conference on Informatics, Electronics & Vision (ICIEV) and 2018 2nd International Conference on Imaging, Vision & Pattern Recognition (icIVPR), Kitakyushu, Japan, 2018, pp. 289-294, doi: 10.1109/ICIEV.2018.8641042.

<https://www.sciencedirect.com/science/article/pii/S0165027021003769>

<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8572804>