





















- [15] V. De Sanctis, S. Di Maio, A. Soliman, G. Raiola, R. Elalaily, and G. Millimaggi, "Hand X-ray in pediatric endocrinology: Skeletal age assessment and beyond," *Indian J. Endocrinol. Metab.*, vol. 18, no. November, pp. S63–S71, 2014, doi: 10.4103/2230-8210.145076.
- [16] S. J. Son et al., "TW3-Based Fully Automated Bone Age Assessment System Using Deep Neural Networks," *IEEE Access*, vol. 7, no. c, pp. 33346–33358, 2019, doi: 10.1109/ACCESS.2019.2903131.
- [17] D. Štern, C. Payer, N. Giuliani, and M. Urschler, "Automatic Age Estimation and Majority Age Classification from Multi-Factorial MRI Data," *IEEE J. Biomed. Heal. Informatics*, vol. 23, no. 4, pp. 1392–1403, 2019, doi: 10.1109/JBHI.2018.2869606.
- [18] E. Chai, M. Pilanci, and B. Murmann, "Separating the Effects of Batch Normalization on CNN Training Speed and Stability Using Classical Adaptive Filter Theory," in *2020 54th Asilomar Conference on Signals, Systems, and Computers*, 2020, pp. 1214–1221. doi: 10.1109/IEEECONF51394.2020.9443275.
- [19] S. Xie, R. Girshick, P. Dollár, Z. Tu, and K. He, "Aggregated residual transformations for deep neural networks," *Proc. - 30th IEEE Conf. Comput. Vis. Pattern Recognition, CVPR 2017*, vol. 2017-Janua, pp. 5987–5995, 2017, doi: 10.1109/CVPR.2017.634.
- [20] S. S. Halabi et al., "The RSNA Pediatric Bone Age Machine Learning Challenge," *Radiology*, vol. 290, no. 2, pp. 498–503, Feb. 2019, doi: 10.1148/radiol.2018180736.
- [21] J. Zhou, Z. Li, W. Zhi, B. Liang, D. Moses, and L. Dawes, "Using Convolutional Neural Networks and Transfer Learning for Bone Age Classification," pp. 0–5, 2017.
- [22] S. Nadeemhashmi, H. Gupta, D. Mittal, K. Kumar, A. Nanda, and S. Gupta, "A Lip Reading Model Using CNN with Batch Normalization," *2018 11th Int. Conf. Contemp. Comput. IC3 2018*, pp. 2–4, 2018, doi: 10.1109/IC3.2018.8530509.
- [23] I. Fibriani, Widjonarko, A. Prasetyo, A. M. Raharjo, and D. E. Irawan, "Multi Deep Learning to Diagnose COVID-19 in Lung X-Ray Images with Majority Vote Technique," *Int. J. Intell. Eng. Syst.*, vol. 13, no. 6, pp. 560–568, 2020, doi: 10.22266/ijies2020.1231.49.
- [24] P. H. Radiographs, D. B. Larson, M. C. Chen, M. P. Lungren, N. V. Stence, and C. P. Langlotz, "Performance of a Deep-Learning Neural Network Model in Assessing Skeletal Maturity on," vol. 287, no. 1, pp. 1–10, 2018.
- [25] S. A. Adeshina, C. Lindner, and T. F. Cootes, "Automatic segmentation of carpal area bones with random forest regression voting for estimating skeletal maturity in infants," in *2014 11th International Conference on Electronics, Computer and Computation (ICECCO)*, 2014, pp. 1–4. doi: 10.1109/ICECCO.2014.6997559.