1. *1D convolutional neural networks and applications: A survey - ScienceDirect* (no date). Available at: <https://www.sciencedirect.com/science/article/pii/S0888327020307846> (Accessed: 29 August 2023).
2. Alzubaidi, L. *et al.* (2021) ‘Review of deep learning: concepts, CNN architectures, challenges, applications, future directions’, *Journal of Big Data*, 8(1), p. 53. Available at: <https://doi.org/10.1186/s40537-021-00444-8>.
3. Ashley, E.A. and Niebauer, J. (2004a) ‘Conquering the ECG’, in *Cardiology Explained*. Remedica. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK2214/> (Accessed: 11 August 2023).
4. Ashley, E.A. and Niebauer, J. (2004b) ‘Conquering the ECG’, in *Cardiology Explained*. Remedica. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK2214/> (Accessed: 10 August 2023).
5. Atmaja, B.T. and Akagi, M. (2021) ‘Evaluation of Error and Correlation-Based Loss Functions For Multitask Learning Dimensional Speech Emotion Recognition’, *Journal of Physics: Conference Series*, 1896(1), p. 012004. Available at: <https://doi.org/10.1088/1742-6596/1896/1/012004>.
6. *Atrial Fibrillation ECG Review* (no date). Available at: <https://www.healio.com/cardiology/learn-the-heart/ecg-review/ecg-topic-reviews-and-criteria/atrial-fibrillation-review> (Accessed: 11 August 2023).
7. Bai, Y. *et al.* (2021) ‘Understanding and Improving Early Stopping for Learning with Noisy Labels’. arXiv. Available at: <https://doi.org/10.48550/arXiv.2106.15853>.
8. Bank, D., Koenigstein, N. and Giryes, R. (2021) ‘Autoencoders’. arXiv. Available at: <https://doi.org/10.48550/arXiv.2003.05991>.
9. Banta, A. *et al.* (2021) ‘A Novel Convolutional Neural Network for Reconstructing Surface Electrocardiograms from Intracardiac Electrograms and Vice Versa’, *Artificial intelligence in medicine*, 118, p. 102135. Available at: <https://doi.org/10.1016/j.artmed.2021.102135>.
10. Chieng, D. *et al.* (2022) ‘Catheter ablation for persistent atrial fibrillation: A multicenter randomized trial of pulmonary vein isolation (PVI) versus PVI with posterior left atrial wall isolation (PWI) - The CAPLA study’, *American Heart Journal*, 243, pp. 210–220. Available at: <https://doi.org/10.1016/j.ahj.2021.09.015>.
11. ‘Clinical ECG Interpretation’ (no date a) *ECG & ECHO*. Available at: <https://ecgwaves.com/product/clinical-ecg-interpretation/> (Accessed: 30 August 2023).
12. ‘Clinical ECG Interpretation’ (no date b) *ECG & ECHO*. Available at: <https://ecgwaves.com/course/the-ecg-book/> (Accessed: 30 August 2023).
13. ‘Clinical ECG Interpretation’ (no date c) *ECG & ECHO*. Available at: <https://ecgwaves.com/course/the-ecg-book/> (Accessed: 30 August 2023).
14. Di Marco, L.Y. *et al.* (2013) ‘Characteristics of atrial fibrillation cycle length predict restoration of sinus rhythm by catheter ablation’, *Heart Rhythm*, 10(9), pp. 1303–1310. Available at: <https://doi.org/10.1016/j.hrthm.2013.06.007>.
15. ‘ECG interpretation: Characteristics of the normal ECG (P-wave, QRS complex, ST segment, T-wave)’ (no date) *ECG & ECHO*. Available at: <https://ecgwaves.com/topic/ecg-normal-p-wave-qrs-complex-st-segment-t-wave-j-point/> (Accessed: 11 August 2023).
16. Escribano, P. *et al.* (2022) ‘Preoperative Prediction of Catheter Ablation Outcome in Persistent Atrial Fibrillation Patients through Spectral Organization Analysis of the Surface Fibrillatory Waves’, *Journal of Personalized Medicine*, 12(10), p. 1721. Available at: <https://doi.org/10.3390/jpm12101721>.
17. *Global epidemiology of atrial fibrillation: An increasing epidemic and public health challenge - Giuseppe Lippi, Fabian Sanchis-Gomar, Gianfranco Cervellin, 2021* (no date). Available at: <https://journals.sagepub.com/doi/10.1177/1747493019897870> (Accessed: 30 August 2023).
18. Hayashi, M. *et al.* (2014) ‘Three-month lower-dose flecainide after catheter ablation of atrial fibrillation’, *Europace: European Pacing, Arrhythmias, and Cardiac Electrophysiology: Journal of the Working Groups on Cardiac Pacing, Arrhythmias, and Cardiac Cellular Electrophysiology of the European Society of Cardiology*, 16(8), pp. 1160–1167. Available at: <https://doi.org/10.1093/europace/euu041>.
19. Horie, T. *et al.* (2018) ‘Sample Entropy in Electrocardiogram During Atrial Fibrillation’, *Yonago Acta Medica*, 61(1), pp. 49–57.
20. Ikotun, A.M. *et al.* (2023) ‘K-means clustering algorithms: A comprehensive review, variants analysis, and advances in the era of big data’, *Information Sciences*, 622, pp. 178–210. Available at: <https://doi.org/10.1016/j.ins.2022.11.139>.
21. January, C.T. *et al.* (2019) ‘2019 AHA/ACC/HRS Focused Update of the 2014 AHA/ACC/HRS Guideline for the Management of Patients With Atrial Fibrillation: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines and the Heart Rhythm Society in Collaboration With the Society of Thoracic Surgeons’, *Circulation*, 140(2), pp. e125–e151. Available at: <https://doi.org/10.1161/CIR.0000000000000665>.
22. Khan, F. *et al.* (2023) ‘ECG classification using 1-D convolutional deep residual neural network’, *PLOS ONE*, 18(4), p. e0284791. Available at: <https://doi.org/10.1371/journal.pone.0284791>.
23. Kiranyaz, S. *et al.* (2019) ‘1-D Convolutional Neural Networks for Signal Processing Applications’, in *ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*. *ICASSP 2019 - 2019 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. 8360–8364. Available at: <https://doi.org/10.1109/ICASSP.2019.8682194>.
24. Kiranyaz, S. *et al.* (2021) ‘1D convolutional neural networks and applications: A survey’, *Mechanical Systems and Signal Processing*, 151, p. 107398. Available at: <https://doi.org/10.1016/j.ymssp.2020.107398>.
25. Klimek-Piotrowska, W. *et al.* (2016) ‘Normal distal pulmonary vein anatomy’, *PeerJ*, 4, p. e1579. Available at: <https://doi.org/10.7717/peerj.1579>.
26. Kostadinov, S. (2019) *Understanding Backpropagation Algorithm*, *Medium*. Available at: <https://towardsdatascience.com/understanding-backpropagation-algorithm-7bb3aa2f95fd> (Accessed: 14 August 2023).
27. Koulouris, S. and Cascella, M. (2023) ‘Electrophysiologic Study Interpretation’, in *StatPearls*. Treasure Island (FL): StatPearls Publishing. Available at: <http://www.ncbi.nlm.nih.gov/books/NBK560784/> (Accessed: 30 August 2023).
28. Kühlkamp, V. *et al.* (2002) ‘Use of β-Blockers in Atrial Fibrillation’, *American Journal of Cardiovascular Drugs*, 2(1), pp. 37–42. Available at: <https://doi.org/10.2165/00129784-200202010-00005>.
29. Kuznetsov, V.V. *et al.* (2021) ‘Interpretable Feature Generation in ECG Using a Variational Autoencoder’, *Frontiers in Genetics*, 12, p. 638191. Available at: <https://doi.org/10.3389/fgene.2021.638191>.
30. Kuznetsov, V.V., Moskalenko, V.A. and Zolotykh, N.Y. (2020) ‘Electrocardiogram Generation and Feature Extraction Using a Variational Autoencoder’. arXiv. Available at: <http://arxiv.org/abs/2002.00254> (Accessed: 28 August 2023).
31. Lane, T. (2018) ‘Transposed Convolutions explained with… MS Excel!’, *Apache MXNet*, 2 November. Available at: <https://medium.com/apache-mxnet/transposed-convolutions-explained-with-ms-excel-52d13030c7e8> (Accessed: 29 August 2023).
32. Lin, H., Liu, R. and Liu, Z. (2023) ‘ECG Signal Denoising Method Based on Disentangled Autoencoder’, *Electronics*, 12(7), p. 1606. Available at: <https://doi.org/10.3390/electronics12071606>.
33. Lippi, G., Sanchis-Gomar, F. and Cervellin, G. (2021a) ‘Global epidemiology of atrial fibrillation: An increasing epidemic and public health challenge’, *International Journal of Stroke*, 16(2), pp. 217–221. Available at: <https://doi.org/10.1177/1747493019897870>.
34. Lippi, G., Sanchis-Gomar, F. and Cervellin, G. (2021b) ‘Global epidemiology of atrial fibrillation: An increasing epidemic and public health challenge’, *International Journal of Stroke: Official Journal of the International Stroke Society*, 16(2), pp. 217–221. Available at: <https://doi.org/10.1177/1747493019897870>.
35. Liu, H. *et al.* (2020) ‘Using the VQ-VAE to improve the recognition of abnormalities in short-duration 12-lead electrocardiogram records’, *Computer Methods and Programs in Biomedicine*, 196, p. 105639. Available at: <https://doi.org/10.1016/j.cmpb.2020.105639>.
36. Madley-Dowd, P. *et al.* (2019) ‘The proportion of missing data should not be used to guide decisions on multiple imputation’, *Journal of Clinical Epidemiology*, 110, pp. 63–73. Available at: <https://doi.org/10.1016/j.jclinepi.2019.02.016>.
37. Mahida, S. *et al.* (2015) ‘Science Linking Pulmonary Veins and Atrial Fibrillation’, *Arrhythmia & Electrophysiology Review*, 4(1), pp. 40–43. Available at: <https://doi.org/10.15420/aer.2015.4.1.40>.
38. Matyschik, M. *et al.* (2020) ‘Feasibility of ECG Reconstruction From Minimal Lead Sets Using Convolutional Neural Networks’, in *2020 Computing in Cardiology*. *2020 Computing in Cardiology*, pp. 1–4. Available at: <https://doi.org/10.22489/CinC.2020.164>.
39. McLeod, C.J. and Gersh, B.J. (2010) ‘A practical approach to the management of patients with atrial fibrillation’, *Heart Asia*, 2(1), pp. 95–103. Available at: <https://doi.org/10.1136/ha.2009.000596>.
40. Meek, S. and Morris, F. (2002) ‘Introduction. I—Leads, rate, rhythm, and cardiac axis’, *BMJ : British Medical Journal*, 324(7334), pp. 415–418.
41. Meyer, M. and Lustgarten, D. (2023) ‘Beta-blockers in atrial fibrillation—trying to make sense of unsettling results’, *EP Europace*, 25(2), pp. 260–262. Available at: <https://doi.org/10.1093/europace/euad010>.
42. *missForest citation info* (no date). Available at: <https://cran.r-project.org/web/packages/missForest/citation.html> (Accessed: 31 August 2023).
43. Miwa, Y. *et al.* (2014) ‘Amiodarone reduces the amount of ablation during catheter ablation for persistent atrial fibrillation’, *Europace: European Pacing, Arrhythmias, and Cardiac Electrophysiology: Journal of the Working Groups on Cardiac Pacing, Arrhythmias, and Cardiac Cellular Electrophysiology of the European Society of Cardiology*, 16(7), pp. 1007–1014. Available at: <https://doi.org/10.1093/europace/eut399>.
44. Moody, G.B. and Mark, R.G. (1992) ‘MIT-BIH Arrhythmia Database’. physionet.org. Available at: <https://doi.org/10.13026/C2F305>.
45. Nat℡, S., Bourne, G. and Talajic, M. (1997) ‘Insights into Mechanisms of Antiarrhythmic Drug Action From Experimental Models of Atrial Fibrillation’, *Journal of Cardiovascular Electrophysiology*, 8(4), pp. 469–480. Available at:
46. <https://doi.org/10.1111/j.1540-8167.1997.tb00813.x>.
47. Njoku, A. *et al.* (2018) ‘Left atrial volume predicts atrial fibrillation recurrence after radiofrequency ablation: a meta-analysis’, *EP Europace*, 20(1), pp. 33–42. Available at: <https://doi.org/10.1093/europace/eux013>.
48. Oleszak, M. (2023) *Autoencoders: From Vanilla to Variational*, *Medium*. Available at: <https://towardsdatascience.com/autoencoders-from-vanilla-to-variational-6f5bb5537e4a> (Accessed: 29 August 2023).
49. Petmezas, G. *et al.* (2021) ‘Automated Atrial Fibrillation Detection using a Hybrid CNN-LSTM Network on Imbalanced ECG Datasets’, *Biomedical Signal Processing and Control*, 63, p. 102194. Available at: <https://doi.org/10.1016/j.bspc.2020.102194>.
50. Poole, J.E. *et al.* (2020) ‘Recurrence of Atrial Fibrillation after Catheter Ablation or Antiarrhythmic Drug Therapy in the CABANA Trial’, *Journal of the American College of Cardiology*, 75(25), pp. 3105–3118. Available at: <https://doi.org/10.1016/j.jacc.2020.04.065>.
51. Proietti, R. *et al.* (2015) ‘A Systematic Review on the Progression of Paroxysmal to Persistent Atrial Fibrillation: Shedding New Light on the Effects of Catheter Ablation’, *JACC: Clinical Electrophysiology*, 1(3), pp. 105–115. Available at: <https://doi.org/10.1016/j.jacep.2015.04.010>.
52. Ramkumar, M. *et al.* (2022) ‘Auto-encoder and bidirectional long short-term memory based automated arrhythmia classification for ECG signal’, *Biomedical Signal Processing and Control*, 77, p. 103826. Available at: <https://doi.org/10.1016/j.bspc.2022.103826>.
53. Reddy, S.A. *et al.* (2021) ‘Pulmonary vein isolation for atrial fibrillation: Does ablation technique influence outcome?’, *Indian Heart Journal*, 73(6), pp. 718–724. Available at: <https://doi.org/10.1016/j.ihj.2021.10.012>.
54. Rocca, J. (2021) *Understanding Variational Autoencoders (VAEs)*, *Medium*. Available at: <https://towardsdatascience.com/understanding-variational-autoencoders-vaes-f70510919f73> (Accessed: 28 August 2023).
55. Rousseeuw, P.J. (1987) ‘Silhouettes: A graphical aid to the interpretation and validation of cluster analysis’, *Journal of Computational and Applied Mathematics*, 20, pp. 53–65. Available at: <https://doi.org/10.1016/0377-0427(87)90125-7>.
56. Saito, Y. *et al.* (2023) ‘Phenotyping of atrial fibrillation with cluster analysis and external validation’, *Heart* [Preprint]. Available at: <https://doi.org/10.1136/heartjnl-2023-322447>.
57. Singh, A. and Ogunfunmi, T. (2021) ‘An Overview of Variational Autoencoders for Source Separation, Finance, and Bio-Signal Applications’, *Entropy*, 24(1), p. 55. Available at: <https://doi.org/10.3390/e24010055>.
58. Southworth, M.R. *et al.* (1999) ‘Comparison of sotalol versus quinidine for maintenance of normal sinus rhythm in patients with chronic atrial fibrillation’, *The American Journal of Cardiology*, 83(12), pp. 1629–1632. Available at: <https://doi.org/10.1016/s0002-9149(99)00168-x>.
59. Stekhoven, D.J. (2022a) ‘missForest: Nonparametric Missing Value Imputation using Random Forest’. Available at: <https://cran.r-project.org/web/packages/missForest/index.html> (Accessed: 31 August 2023).
60. Stekhoven, D.J. (2022b) *missForest: Nonparametric Missing Value Imputation using Random Forest*.
61. Stekhoven, D.J. and Bühlmann, P. (2012a) ‘MissForest—non-parametric missing value imputation for mixed-type data’, *Bioinformatics*, 28(1), pp. 112–118. Available at: <https://doi.org/10.1093/bioinformatics/btr597>.
62. Stekhoven, D.J. and Bühlmann, P. (2012b) ‘MissForest--non-parametric missing value imputation for mixed-type data’, *Bioinformatics (Oxford, England)*, 28(1), pp. 112–118. Available at: <https://doi.org/10.1093/bioinformatics/btr597>.
63. Ugarte, J.P., Tobón, C. and Orozco-Duque, A. (2019) ‘Entropy Mapping Approach for Functional Reentry Detection in Atrial Fibrillation: An In-Silico Study’, *Entropy*, 21(2), p. 194. Available at: <https://doi.org/10.3390/e21020194>.
64. Vitolo, M. *et al.* (2021a) ‘Clinical Phenotype Classification of Atrial Fibrillation Patients Using Cluster Analysis and Associations with Trial-Adjudicated Outcomes’, *Biomedicines*, 9(7), p. 843. Available at: <https://doi.org/10.3390/biomedicines9070843>.
65. Vitolo, M. *et al.* (2021b) ‘Clinical Phenotype Classification of Atrial Fibrillation Patients Using Cluster Analysis and Associations with Trial-Adjudicated Outcomes’, *Biomedicines*, 9(7), p. 843. Available at: <https://doi.org/10.3390/biomedicines9070843>.
66. Wasser, T.E. (2014) ‘Increased Accuracy of Distribution Based Missing Value Imputation: An Alternative to Mean Imputation in Real World Environment Survey Research’, *Survey Practice*, 7(3). Available at: <https://doi.org/10.29115/SP-2014-0015>.
67. Wen, S. *et al.* (2022a) ‘Association of Postprocedural Left Atrial Volume and Reservoir Function with Outcomes in Patients with Atrial Fibrillation Undergoing Catheter Ablation’, *Journal of the American Society of Echocardiography*, 35(8), pp. 818-828.e3. Available at: <https://doi.org/10.1016/j.echo.2022.03.016>.
68. Wen, S. *et al.* (2022b) ‘Association of Postprocedural Left Atrial Volume and Reservoir Function with Outcomes in Patients with Atrial Fibrillation Undergoing Catheter Ablation’, *Journal of the American Society of Echocardiography*, 35(8), pp. 818-828.e3. Available at: <https://doi.org/10.1016/j.echo.2022.03.016>.
69. Wen, S. *et al.* (2022c) ‘Association of Postprocedural Left Atrial Volume and Reservoir Function with Outcomes in Patients with Atrial Fibrillation Undergoing Catheter Ablation’, *Journal of the American Society of Echocardiography: Official Publication of the American Society of Echocardiography*, 35(8), pp. 818-828.e3. Available at: <https://doi.org/10.1016/j.echo.2022.03.016>.
70. *What does atrial fibrillation look like on an ECG?* (no date). Available at: <https://theheartclinic.london/conditions/atrial-fibrillation/answerpack/atrial-fibrillation/atrial-fibrillation-faq/what-does-atrial-fibrillation-look-like-on-an-ecg/> (Accessed: 11 August 2023).
71. *Wilcoxon Signed Ranks Test - an overview | ScienceDirect Topics* (no date). Available at: <https://www.sciencedirect.com/topics/medicine-and-dentistry/wilcoxon-signed-ranks-test> (Accessed: 31 August 2023).
72. *Wilcoxon Test: Definition in Statistics, Types, and Calculation* (no date) *Investopedia*. Available at: <https://www.investopedia.com/terms/w/wilcoxon-test.asp> (Accessed: 31 August 2023).
73. Wilson, D. and Martinez, T. (2001) ‘The need for small learning rates on large problems’, in, pp. 115–119 vol.1. Available at: <https://doi.org/10.1109/IJCNN.2001.939002>.
74. Wolf, P.A. *et al.* (1978) ‘Epidemiologic assessment of chronic atrial fibrillation and risk of stroke: The fiamingham Study’, *Neurology*, 28(10), pp. 973–973. Available at: <https://doi.org/10.1212/WNL.28.10.973>.
75. Xia, Y. (2020) ‘Chapter Eleven - Correlation and association analyses in microbiome study integrating multiomics in health and disease’, in J. Sun (ed.) *Progress in Molecular Biology and Translational Science*. Academic Press (The Microbiome in Health and Disease), pp. 309–491. Available at: <https://doi.org/10.1016/bs.pmbts.2020.04.003>.
76. Zoni-Berisso, M. *et al.* (2014) ‘Epidemiology of atrial fibrillation: European perspective’, *Clinical Epidemiology*, 6, pp. 213–220. Available at: <https://doi.org/10.2147/CLEP.S47385>.