Heart Diseases Diagnosis using CNN Algorithm

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Abstract: *Machine learning is frequently used to enable computers to learn from fresh data and generate predictions. Due to numerous developments in machine learning, there are numerous approaches that can be used to forecast a person's risk of developing heart disease. One of the most common ailments impacting people worldwide is heart disease. Heart disease is caused by a number of risk factors. A unique method for predicting cardiac disease is made possible by the combination of analysis with neural networks.[1]The neural network receives the significant factors that result as input. In order to determine if a person has heart disease or not, a neural network is trained for the risk factors found using logistic regression. In order to predict cardiac disease, logistic regression and neural networks are combined.[2].*

Keywords: Neural networks, prediction, heart diseasees

REFERENCES

[1] D. Tian, J. Zhou, Y. Wang, Y. Lu, H. Xia, and Z. Yi, "A dynamic and self- adaptive network selection method for multimode communications in hetero- geneous vehicular telematics," IEEE Transactions on Intelligent Transporta- tion Systems, vol. 16, no. 6, pp. 3033–3049, 2015.

[2] M. Chen, Y. Ma, Y. Li, D. Wu, Y. Zhang, C. Youn, "Wearable 2.0: En- able Human-Cloud Integration in Next Generation Healthcare System," IEEE Communications, Vol. 55, No. 1, pp. 54–61, Jan. 2017.

[3] M. Chen, Y. Ma, J. Song, C. Lai, B. Hu, "Smart Clothing: Connecting Human with Clouds and Big Data for Sustainable Health Monitoring," ACM/Springer Mobile Networks and Applications, Vol. 21, No. 5, pp. 825C845, 2016

[4] M. Chen, P. Zhou, G. Fortino, "Emotion Communication System," IEEE Ac- cess, DOI: 10.1109/ACCESS.2016.2641480, 2016.

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191