

Breast Cancer Cellularity Prediction from H&E Images Challenge

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Abstract—

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REFERENCES

- [1] U.S. Breast Cancer Statistics. [Online]. Available: <https://www.breastcancer.org/symptoms/understand.bc/statistics>
- [2] Diagnosing breast cancer. [Online]. Available: <https://www.breastcancer.org/symptoms/understand.bc/statistics>
- [3] W. He, G. Yan, and L. D. Xu, "Developing Vehicular Data Cloud Services in the IoT Environment," *IEEE Transactions on Industrial Informatics*, vol. 10, no. 2, pp. 1587–1595, May 2014.
- [4] M. Gerla, "Vehicular Cloud Computing," in *Ad Hoc Networking Workshop (Med-Hoc-Net), 2012 The 11th Annual Mediterranean*, Ayia Napa, Cyprus, 2012, pp. 152–155.
- [5] S. Wang, C. Fan, C.-H. Hsu, Q. Sun, and F. Yang, "A Vertical Handoff Method via Self-Selection Decision Tree for Internet of Vehicles," *IEEE Systems Journal*, vol. 10, no. 3, pp. 1183–1192, Sept. 2016.
- [6] K. C. Lee, S. hoon Lee, R. Cheung, U. Lee, and M. Gerla, "First Experience with Cartorrent in a Real Vehicular Ad Hoc Network Testbed," in *2007 Mobile Networking for Vehicular Environments*, Anchorage, AK, USA, May 2007, pp. 109–114.
- [7] G. Marfia, A. Amoroso, and M. Roccetti, "On the Design and Run of VANET Road Experiments," in *Ad Hoc Networking Workshop (Med-Hoc-Net), 2012 The 11th Annual Mediterranean*, Ayia Napa, Cyprus, 2012, pp. 141–145.
- [8] J. Wang, C. Li, H. Li, and Y. Wang, "Key Technologies and Development Status of Internet of Vehicles," in *Measuring Technology and Mechatronics Automation (ICMTMA), 2017 9th International Conference on*, Changsha, China, 2017, pp. 29–32.
- [9] A. Bohm and M. Jonsson, "Supporting Real-time Data Traffic in Safety-critical Vehicle-to-Infrastructure Communication," in *Local Computer Networks, 2008. LCN 2008. 33rd IEEE Conference on*, Montreal, Que, Canada, 2008, pp. 614–621.
- [10] C. Yan, J. Wang, and S. Li, "Research on Traffic Information Transmission Algorithm in Internet of Vehicles," in *Intelligent Transportation Engineering (ICITE), IEEE International Conference on*, Singapore, Singapore, 2016, pp. 147–150.
- [11] N. Sharma, N. Chauhan, and N. Chand, "Smart Logistics Vehicle Management System based on Internet of Vehicles," in *Intelligent Transportation Engineering (ICITE), IEEE International Conference on*, Wanknaghat, India, 2016, pp. 495–499.
- [12] C. Parera, A. Zaslavsky, P. Christen, and D. Georgakopoulos, "Context Aware Computing for The Internet of Things: A Survey," *IEEE Communications Surveys & Tutorials*, vol. 16, no. 1, pp. 414–454, May 2013.
- [13] K. M. Alam, M. Saini, and A. E. Saddik, "Toward Social Internet of Vehicles: Concept, Architecture, and Applications," *IEEE Access*, vol. 3, pp. 343–357, March 2015.

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