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- [16] J. Yang, Y. Qiao, X. Zhang, H. He, F. Liu, and G. Cheng. Characterizing user behavior in mobile internet. *Emerging Topics in Computing, IEEE Transactions on*, PP(99):1-1, 2014.
- [17] M. Vojnovic. On mobile user behaviour patterns. In *Communications, 2008 IEEE International Zurich Seminar on*, pages 26-29, March 2008.
- [18] T. Yamakami. Toward understanding the mobile internet user behavior: a methodology for user clustering with aging analysis. In *Parallel and Distributed Computing, Applications and Technologies, 2003. PDCAT'2003. Proceedings of the Fourth International Conference on*, pages 85-89, Aug 2003.
- [19] Apple. iPhone6 technology. <https://www.apple.com/iphone-6/technology/>.
- [20] R.A. Finkel and J.L. Bentley. Quad trees a data structure for retrieval on composite keys. *Acta Informatica*, 4(1):1-9, 1974.
- [21] N. Balasubramanian, A. Balasubramanian, and A. Venkataramani. Energy consumption in mobile phones: A measurement study and implications for network applications. In *Proceedings of the 9th ACM SIGCOMM Conference on Internet Measurement Conference, IMC '09*, pages 280-293, New York, NY, USA, 2009. ACM.