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Ibrahim Musa received his BSc in computer science from Sudan University of Science and Technology (SUST) in 2006, MSc in Data Mining from Database/Bioinformatics Laboratory of Chungbuk National University (CBNU) in South Korea in 2010. He is currently a PhD student at Database/Bioinformatics Laboratory of CBNU. Ibrahim is a member of ACM, SIGKDD, and a full-time lecturer and researcher at the College of Computer Science and Information Technology of The Sudan University of Science and Technology where he is coordinating an ICT-Master program named Nettel@Africa and other programs. He has published a number of conference and journal papers in computer science. His research interests include data mining and social networks. He is a web-activist who is preaching e-learning in Sudan.

Title: Mining Big Data: The case of Multimedia-Rich Online Social Networks

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Abstract:

The rapidly increasing amount of Big Data generated from diverse fields ranging from scientific experiments, to the Online Social Networks(OSN) are characterized by their heterogeneity, speed, complexity and large-volume. In essence, the proliferation of OSN sites like Facebook, Twitter, and YouTube, produce tremendous amounts of multimedia data within the context of OSN. Revealing interesting patterns and hidden correlations from big data has been an active area of research in the recent years. This paper reviews the recent attempts in mining big data, and highlights the big challenges from the perspective of Multimedia-Rich Online Social Networks. In particular, a general framework is proposed and investigated. The framework includes data collection, privacy and mining.