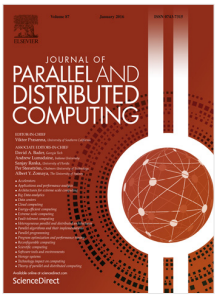
Accepted Manuscript



A survey of real-time approximate nearest neighbor query over streaming data for fog computing

Xiaohui Jiang, Peng Hu, Yanchao Li, Chi Yuan, Isma Masood, Hamed Jelodar, Mahdi Rabbani, Yongli Wang

PII: S0743-7315(18)30018-2
DOI: https://doi.org/10.1016/j.jpdc.2018.01.005
Reference: YJPDC 3812

To appear in: *J. Parallel Distrib. Comput.*

Received date : 1 August 2017
Revised date : 13 January 2018
Accepted date : 15 January 2018

Please cite this article as: X. Jiang, P. Hu, Y. Li, C. Yuan, I. Masood, H. Jelodar, M. Rabbani, Y. Wang, A survey of real-time approximate nearest neighbor query over streaming data for fog computing, *J. Parallel Distrib. Comput.* (2018), https://doi.org/10.1016/j.jpdc.2018.01.005

Highlights

- We summarized ANN query technology with random hash, learning-to-hash and synopses.
- We analyzed the challenges of real-time ANN query over streaming data.
- Method of query, dimension reduction and encoding on Internet of Data are discussed.
- Also the future research directions of ANN query framework and others are included.