Abstract

Outlier Detection is very much popular in Data Mining field and it is an active research area due to its various applications like fraud detection, network sensor, email spam, stock market analysis, and intrusion detection and also in data cleaning. Here we will study some outlier detection technique which are mainly based on distance-based outlier detection with ranking approach and give some idea about the new technique which we will implement in future.

References

- LUKAS A. KURGAN and PETR MUSILEK, Department of Electrical and Computer Engineering, University of Alberta, &quot;A survey of Knowledge Discovery and Data Mining process models&quot;, The Knowledge Engineering Review, Vol. 21:1, 1–24. © 2006, Cambridge University
- Wenke Lee, Salvatore J. Stolfo, Kui W. Mok Computer Science Department, Columbia University, &quot;A Data Mining Framework for Building Intrusion Detection Models&quot;, IEEE-1999
- Ding, W. and Marchionini, G. 1997 A Study on Video Browsing Strategies. Technical
- VARUN CHANDOLA University of Minnesota, "Outlier Detection: A Survey"
- Karanjit Singh and Dr. Shuchita Upadhyaya, Department of Computer Science and Applications, Kurukshetra University Kurukshetra, Haryana, India "Outlier Detection: Applications And Techniques"
- IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 1, No 3, January 2012
- Wen Jin1, Anthony K. H. Tung2, Jiawei Han3, and Wei Wang4. Ranking Outliers Using Symmetric Neighborhood Relationship
- Carlos H. C. Teixeira, Gustavo H. Orair, Wagner Meira Jr, Srinivasan xParthasarathy. An Efficient Algorithm for Outlier Detection in High Dimensional Real Databases
- Nguyen Hoang Vu and Vivekanand Gopalkrishnan. Efficient Pruning Schemes for Distance-Based Outlier Detection
- W. Bunting et al. (Eds.): ECML PKDD 2009, Part II, LNAI 5782, pp. 160–175, 2009
- Rajendra Pamula, Jatin. Distance Based Fast Outlier Detection Method
- India Conference (INDICON), 2010 Annual IEEE.
- Proceedings of the VLDB Endowment, Vol. 3, No. 2 Copyright 2010 VLDB Endowment 21508097/10/09. . . $ 10. 00
- Rajendra Pamula, Jatindra Kumar Deka, Sukumar Nandi, An Outlier DetectionMethod based on Clustering
- 2011 Second International Conference on Emerging Applications of Information Technology © 2011 IEEE.
- Kanishka Bhaduri, Algorithms for speeding up distance-based outlier Detection
- SIGKDD &apos;11 San Diego, CA, USA
- Computer Science and Engineering Department, The Ohio State University, OH, USA,2011
- Ms. S. D. Pachgade, Ms. S. S. Dhande, Outlier Detection over Data Set Using Cluster-Based and Distance-Based Approach
- Vijay Kumar, Sunil Kumar, Ajay Kumar Singh, Outlier Detection: A Clustering-Based Approach
- International Journal of Science and Modern Engineering (IJISME), ISSN: 2319-6386, Volume-1, Issue-7, June 2013
- Sakthi Nathiarasan A ,M. E- Student, Algorithm for Outlier Detection Based on Utility and Clustering (ODUC)
- Department of Computer Science and Engineering Adhiyamaan College of Engg, Hosur, India, International Journal of Advanced Research in
Computer Science and Software Engineering, Volume 3, Issue 7, July 2013


**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

Distance-Based Outlier Detection  
Nearest Neighbor  
Ranking and Pruning