

COMPUTER SCIENCE COLLOQUIUM

Department of Computer Science
City University of Hong Kong
and
Hong Kong Web Society

Top-10 Algorithms in Data Mining

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Date :

30 July 2007 (Monday)

Time :

3:00pm - 4:00pm (Refreshment will be served at 2:45pm)

Venue :CS Seminar Room, Rm Y6405, 6th Floor Yellow Zone, Academic Building,
City University of Hong Kong, Tat Chee Avenue, Kowloon Tong.

Abstract

This talk will present the following top-10 data mining algorithms identified at IEEE ICDM '06: C4.5, K-Means, SVM, Apriori, EM, PageRank, AdaBoost, kNN, Naive Bayes, and CART. For each algorithm, we provide a description of the algorithm and discuss its impact and the current and further research on the algorithm.

Biography

Xindong Wu is a Professor and the Chair of the Department of Computer Science at the University of Vermont, and a Visiting Chair Professor of Data Mining in the Department of Computing at Hong Kong Polytechnic University. He holds a PhD in Artificial Intelligence from the University of Edinburgh, Britain. His research interests include data mining, knowledge-based systems, and Web information exploration. He has published extensively in these areas in various journals and conferences, including IEEE TKDE, TPAMI, ACM TOIS, DMKD, KAIS, IJCAI, AAI, ICML, KDD, ICDM, and WWW, as well as 14 books and conference proceedings.

Dr. Wu is the Editor-in-Chief of the IEEE Transactions on Knowledge and Data Engineering (by the IEEE Computer Society), the founder and current Steering Committee Chair of the IEEE International Conference on Data Mining (ICDM), an Honorary Editor-in-Chief of Knowledge and Information Systems (by Springer), and a Series Editor of the Springer Book Series on Advanced Information and Knowledge Processing (AI&KP). He was Program Committee Chair for ICDM '03 (the 2003 IEEE International Conference on Data Mining) and is Program Committee Co-Chair for KDD-07 (the 13th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining). He is the 2004 ACM SIGKDD Service Award winner, the 2006 IEEE ICDM Outstanding Service Award winner, and a 2005 Chaired Professor in the Cheung Kong (or Yangtze River) Scholars Programme at the Hefei University of Technology sponsored by the Ministry of Education of China and the Li Ka Shing Foundation. He has been an invited/keynote speaker at numerous international conferences including PAKDD'07, IEEE EDOC'06, IEEE ICTAI'04, IEEE/WIC/ACM WI'04/IAT'04, SEKE 2002, and PADD-97.

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*In case of questions, please contact Prof Qing Li at Tel: 2788 9695, E-mail: itqli@cityu.edu.hk,
or visit the CS Departmental Seminar Web at <http://www.cs.cityu.edu.hk/>.*