

Technology
Science
Information
Networks
Computing



Lecturer: Ting Wang (王挺)

利物浦大学计算机博士

清华大学计算机博士后

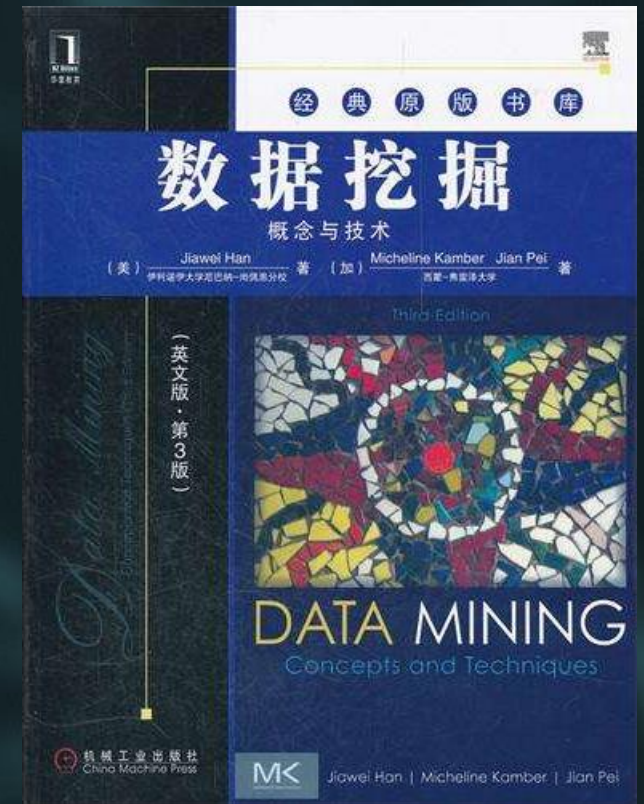
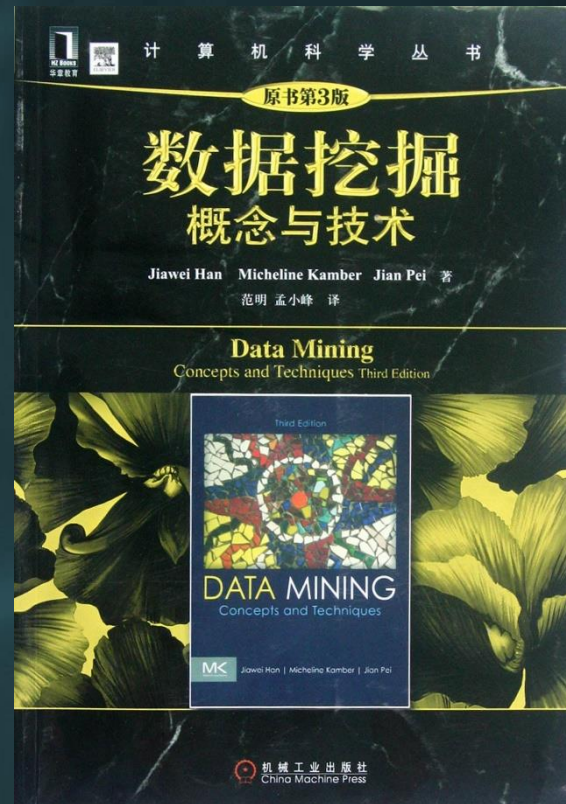
电子信息技术高级工程师

上海外国语大学网络与新媒体副教授

浙江清华长三角研究院海纳认知与智能研究中心主任

Chapter 12

Trends and Research Frontiers



Chapter 12

Trends and Research Frontiers

1. mining complex data types

- ① sequence data
- ② graphs and networks
- ③ spatiotemporal and cyber-physical system data,
- ④ multimedia, text and Web data
- ⑤ data streams

Chapter 12

Trends and Research Frontiers

2. Data Mining and Application

- ① Data Mining for Financial data analysis
- ② Data Mining for Retail and Telecommunication Industries
- ③ Data Mining in Science and Engineering
- ④ Data Mining for Intrusion Detection and Prevention
- ⑤ Data Mining and Recommender Systems

Chapter 12

Trends and Research Frontiers

Data mining trends

- exploration of new application areas;
- improved scalable, interactive, and constraint-based mining methods;
- integration of data mining with web service, database, warehousing, and cloud computing systems;
- mining social and information networks
- the mining of spatiotemporal and cyber-physical system data, biological data, software system engineering data, and multimedia and text data,
- web mining, distributed and real-time data stream mining, visual and audio mining, and privacy and security



The End

www.wangting.ac.cn