資料倉儲 Data Warehousing

992DW01

MI4

二 8,9 15:10-17:00 L413

淡江大學資訊管理系

戴敏育

Min-Yuh Day

http://mail.im.tku.edu.tw/~myday/

2011-02-15



Min-Yuh Day

Assistant Professor Department of Information Management, Tamkang University

Tel: 886-2-26215656 ext. 2347

Fax: 886-2-26209737

Office: I716, Chueh-sheng Memorial Hall

Address: No.151, Yingzhuan Rd., Danshui Dist., New Taipei City 25137, Taiwan (R.O.C.)

Email: myday@mail.im.tku.edu.tw Web: http://mail.im.tku.edu.tw/~myday/

[<u>Vita</u> | <u>Education</u> | <u>Research</u> | <u>Publications</u> | <u>Teaching</u> | <u>Professional Activities</u>] [中文版]

Vita:

Dr. Min-Yuh Day is an Assistant Professor in the Department of Information Management at Tamkang University, Taiwan. Prior to joining the faculty at TKU in 2011, he was a Postdoctoral Fellow in the Intelligent Agent Systems Lab, Institute of Information Science, Academia Sinica, Taiwan. He received the Ph.D. degree from the Department of Information Management at National Taiwan University, Taiwan. He received his MBA in Management Information System from Tamkang University, Taiwan. His current research interests include Knowledge Management, Electronic Commerce, Information Systems Evaluation, Social Media Service, Question Answering Systems, Data Mining and Text Mining. He has published papers in Information & Management, Decision Support Systems, Integrated Computer-Aided Engineering, ACM Transactions on Asian Language Information Processing, and a number of international conference proceedings.

Education:

- Ph.D. Department of Information Management, National Taiwan University, 2001-2010 Dissertation: A Study of Evaluation Model of User Satisfaction with Social Network Services Advisor: Dr. Chorng-Shyong Ong
- M.B.A. Department of Information Management, Tamkang University, 1993-1995 Thesis: Research of Applying Genetic Algorithms to Fuzzy Forecasting - Focus on Sales Forecasting

જ



戴敏育 博士 (Min-Yuh Day, Ph.D.)

專任助理教授 淡江大學 資訊管理學系

電話: 02-26215656 #2347

傳真:02-26209737

研究室: I716 (學生綜合大樓) [Office Hour] **地址**: 25137 新北市淡水區英專路151號

Email: myday@mail.im.tku.edu.tw 網折: http://mail.im.tku.edu.tw/~myday/

[簡介| 教育 | 研究 | 論文發表 | 教學 | 學術活動] [English Version]

簡介(Vita):

戴敏育博士目前是淡江大學資管系專任助理教授。他於2011年加入淡江大學專任教師之前,曾任職於中央研究院資訊科學研究所智慧型代理人系統 實驗室博 士後 研究員。 他於2010年取得國 立台灣大學資訊管理博士學位,他在淡江大學資訊管理學系取得碩士學位。他目前的研究與 趣包括知識管理 (Knowledge Management)、電子商務 (Electronic Commerce)、資訊系統評量 、(Information Systems Evaluation)、社會媒體服務 (Social Media Service)、問答系統 (Question Answering Systems)、資料與文字探勘 (Data Mining and Text Mining)、生物醫學資訊 (Biomedical Informatics)。他的學術研究論文已發表在Information & Management, Decision Support Systems, Integrated Computer-Aided Engineering, ACM Transactions on Asian Language Information Processing等國際期刊和許多國際研討會論文集。

教育(Education):

國立台灣大學資訊管理研究所 (2001-2010)

博士論文:社交網路服務使用者滿意度評量模式之研究

淡江大學資訊管理研究所 (1993-1995)

碩士論文:應用遺傳演算法發展模糊預測之研究-以銷售預測為例

學十 淡江大學資訊管理學系 (1989-1993)

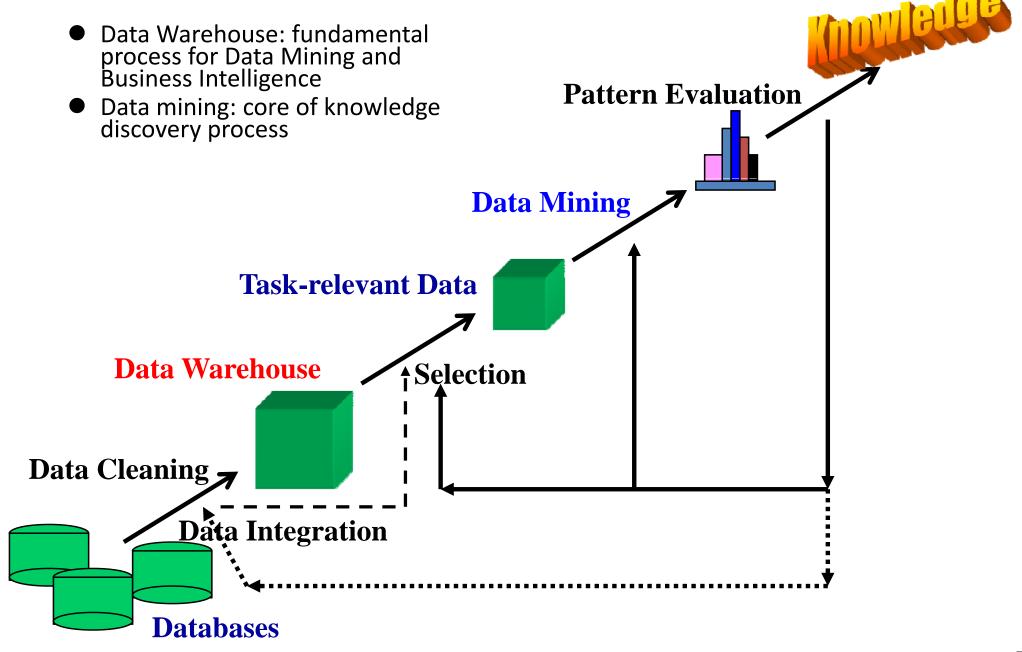
- 0

☆ 3

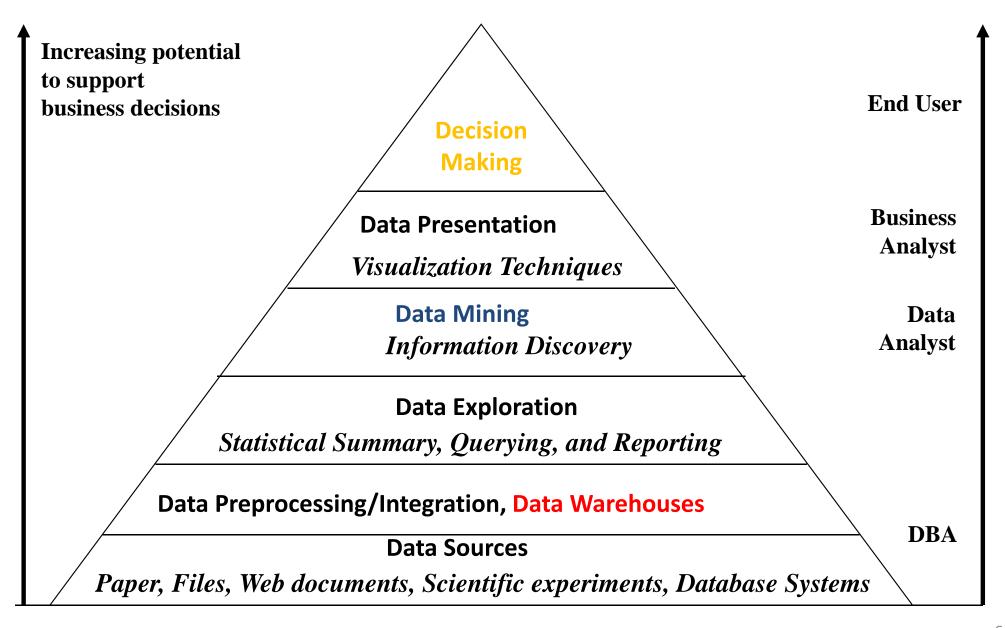
課程資訊

- 課程名稱:資料倉儲 (Data Warehousing)
- 授課教師: 戴敏育 (Min-Yuh Day)
- 開課系級:資管四 (MI4)
- 開課資料:選修 單學期 2學分
- 上課時間: 週二 8,9 (Tue 15:10-17:00)
- 上課教室:L413

Knowledge Discovery (KDD) Process



Data Warehouse Data Mining and Business Intelligence



課程簡介

- 本課程介紹資料倉儲的基本概念及技術。
- 課程內容包括資料倉儲、OLAP、資料探勘、 商業智慧、即時分析處理,資料方塊,關 聯分析、分類、分群、社會網路分析、文 字探勘、與網頁探勘。

Course Introduction

- This course introduces the fundamental concepts and technology of data warehousing.
- Topics include data warehousing, data mining, business intelligence, OLAP, data cube, association analysis, classification, cluster analysis, social network analysis, text mining, and web mining.

Objective

 Students will be able to understand and apply the fundamental concepts and technology of data warehousing.

教學目標之教學策略與評量方法

- 教學目標
 - 學生將能夠瞭解及應用資料倉儲的基本概念及 技術。
- 教學策略
 - -課堂講授、分組討論
- 評量方法
 - 出席率、報告、討論、期中考、期末考

授課進度表

週次	月/日	內容 (Subject/Topics)	備註
1	100/02/15	Introduction to Data Warehousing	
2	100/02/22	Data Warehousing, Data Mining, and Business Intelligence	
3	100/03/01	Data Preprocessing: Integration and the ETL process	
4	100/03/08	Data Warehouse and OLAP Technology	
5	100/03/15	Data Cube Computation and Data Generation	
6	100/03/22	Association Analysis	
7	100/03/29	Classification and Prediction	
8	100/04/05	(放假一天)	100/04/05 (二) 民族掃墓節
9	100/04/12	Cluster Analysis	
10	100/04/19	期中考試週	

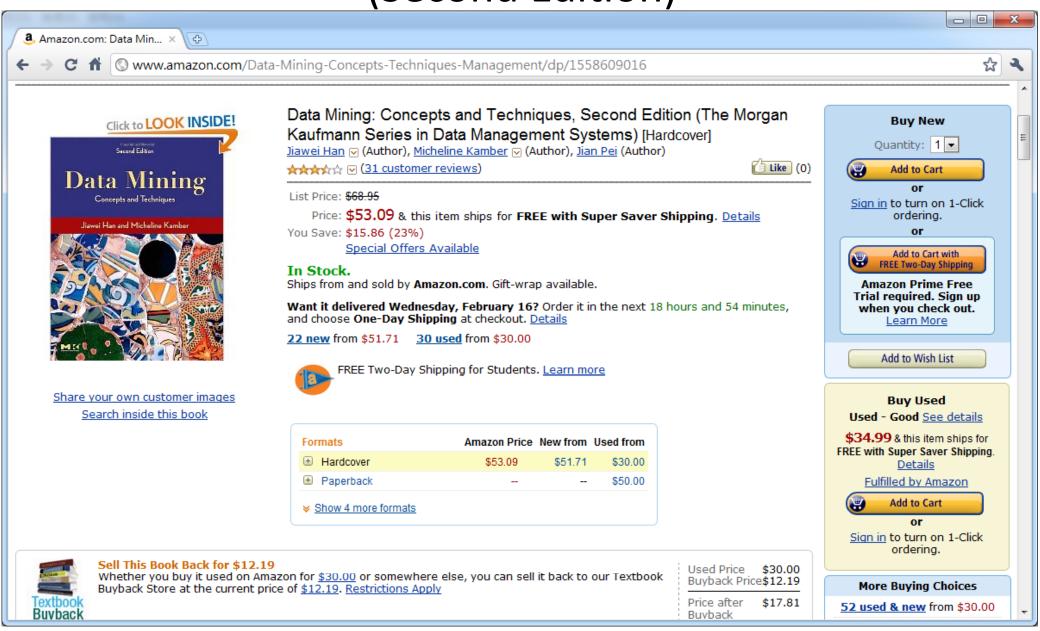
授課進度表(續)

週次	月/日	內容 (Subject/Topics)	備註
11	100/04/26	Sequence Data Mining	
12	100/05/03	Social Network Analysis and Link Mining	
13	100/05/10	Text Mining and Web Mining	
14	100/05/17	Project Presentation	
15	100/05/24	畢業班考試	
16	100/05/31	NA	
17	100/06/07	NA	
18	100/06/14	期末考試週	

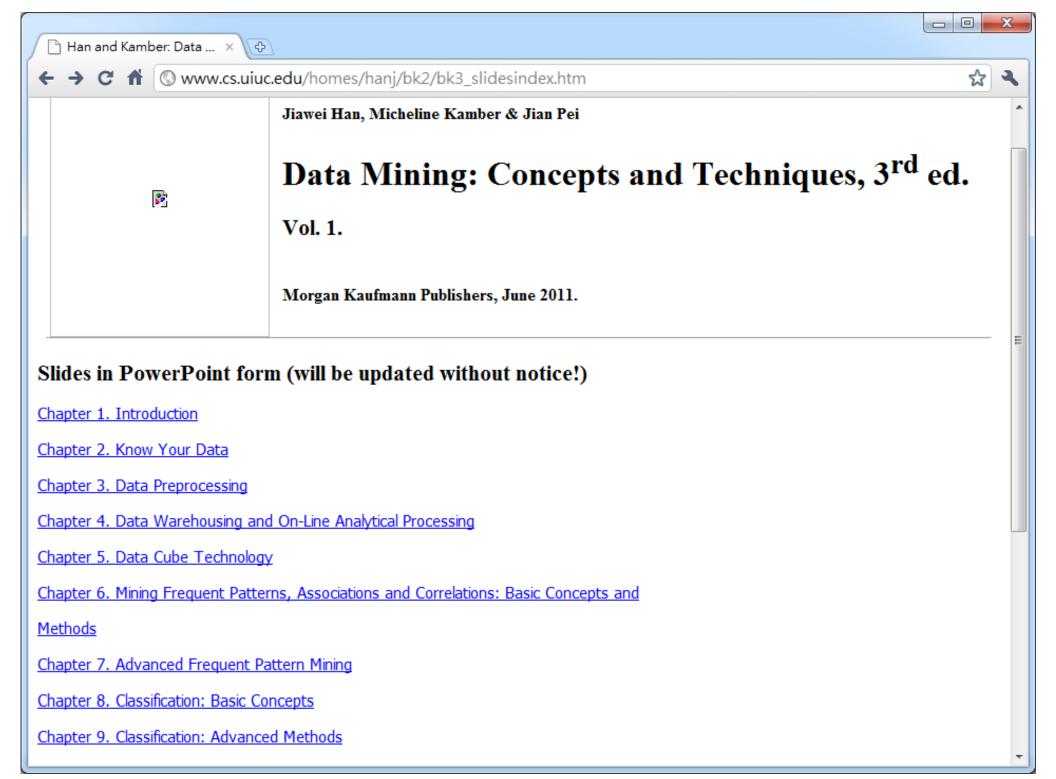
教材課本

- Data Mining: Concepts and Techniques, Second Edition, Jiawei Han and Micheline Kamber, 2006, Elsevier
- 參考書籍
 - 資料探勘:概念與方法,王派洲譯,2008,滄海
 - 資料庫理論與實務SQL Server 2008, 施威銘研究室, 2010, 旗標
 - Web 資料採掘技術經典, 孫惠民, 2008, 松崗

Data Mining: Concepts and Techniques (Second Edition)







作業與學期成績計算方式

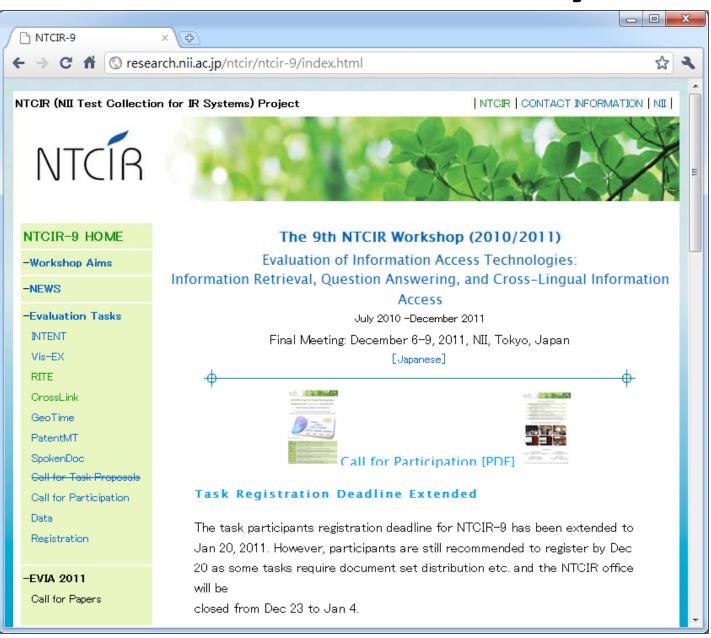
- 批改作業篇數
 - −1篇(Team Term Project)
- 學期成績計算方式
 - ☑期中考成績:30%
 - ──期末考成績:30 %
 - ☑作業成績: 20 % (Team Term Project)
 - ☑其他 (課堂參與及報告討論表現): 20 %

Term Project

- 參與 NTCIR 國際競賽
 - NTCIR (NII Test Collection for IR Systems) Project
 - NTCIR -9 (July 2010 -December 2011)
 - December 6-9, 2011, NII, Tokyo, Japan
 - NTCIR-9 RITE
 - Recognizing Inference in TExt @NTCIR9
 - http://artigas.lti.cs.cmu.edu/rite/Main_Page
 - NTCIR-9 CrossLink
 - CrossLingual Link Discovery Task
 - http://ntcir.nii.ac.jp/CrossLink/
- Open Topic Project
 - Topics related to Data Warehousing, Business Intelligence, Data mining, Text mining, Web mining, Social Network Analysis, Link Mining.

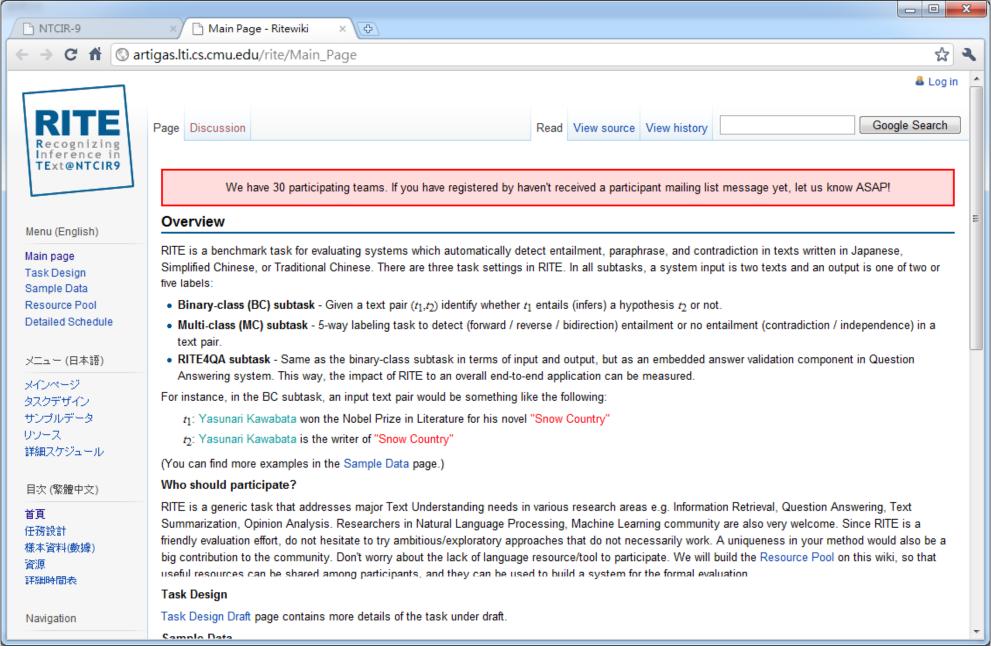
NTCIR Project

(NII Test Collection for IR Systems)



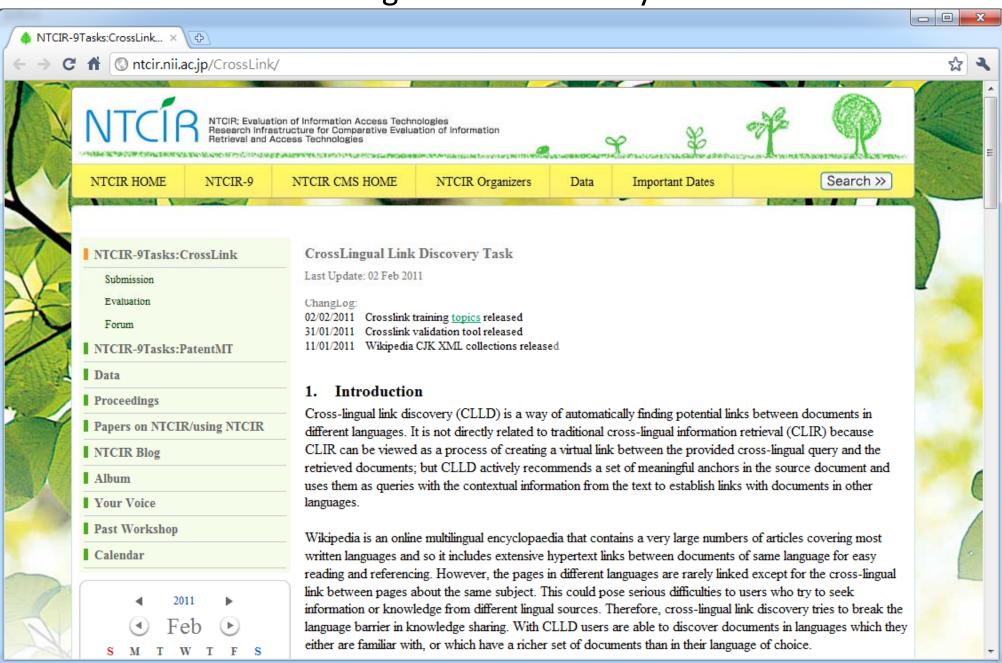
NTCIR-9 RITE

Recognizing Inference in TExt @NTCIR9



NTCIR-9 CrossLink

CrossLingual Link Discovery Task



Term Project Teams

- 5-7 人為一組
 - 分組名單於 2011.02.22 (二) 課程下課時繳交
 - 由班代統一收集協調分組名單
- NTCIR Project
 - NTCIR-9 RITE (Project 1 Teams)
 - NTCIR-9 CrossLink (Project 2 Teams)
- Open Topic Project (Project 3 Teams)
 - Topics related to Data Warehousing, Business Intelligence, Data mining, Text mining, Web mining, Social Network Analysis, Link Mining.

Contact Information

戴敏育博士 (Min-Yuh Day, Ph.D.)

專任助理教授 淡江大學 資訊管理學系

電話: 02-26215656 #2347

傳真:02-26209737

研究室: I716 (覺生綜合大樓) [Office Hour]

地址: 25137 新北市淡水區英專路151號

Email: myday@mail.im.tku.edu.tw

網址: http://mail.im.tku.edu.tw/~myday/