Fall 2009 Presentation Schedule

CS591 Han Seminar: Advanced Topics on Data Mining (Fall 2009 Presentation Schedule)

- Semester themes: (1) Information Network Analysis; and (2) Data mining in cyberphysical systems
- Papers can be selected from this year or previous several year's conference proceedings or journals. We welcome students who would like to present tutorials and/or writing topic survey articles related to this theme.
- Two students per unit (20 minutes presentation and 5 minutes discussion for each research paper, i.e., two papers will be covered per class unit).

Week 1 (8/27/09): Class organization and research topics (Jiawei Han)
- Self-introduction
- Course introduction
- Data Mining Group work distribution

Week 2 (9/03/09): Two presentations
- VLDB'09 conference report (Cindy, Min-Soo, and Tianyi)
- Roberto Trasarti’s presentation of Univ. of Pisa KDD group and his visiting plan

Week 3 (9/10/09): Two presentations
- Tianyi Wu: Tianyi Wu, Dong Xin, Qiaozhu Mei, Jiawei Han. Promotion Analysis in Multi-Dimensional Space (VLDB'09). Slides
- Jiawei Han: Research topics on data mining Slides

Week 4 (9/17/09): Two presentations
- Manish Gupta Fast algorithms for topk personalized pagerank queries (WWW '08) Slides
- Min-Soo Kim A Particle-and-Density Based Evolutionary Clustering Method for Dynamic Networks (VLDB'09) Slides

Week 5 (9/24/09): Two presentations
- Jing Gao Bipartite Graph-based Consensus Maximization among Supervised and Unsupervised Models Abstract Slides (submission version of the paper available by request)
- Bolin Ding Frequent pattern mining with uncertain data (KDD'09) Paper Slides (also see this one)

Week 6 (10/01/09): Cancelled

Week 7 (10/08/09): Two presentations
• Tim Weninger - Text to Tag Ratio Slides
• Chandra Ramachandran - Scalable mining of large video databases using copy detection Slides

Week 8 (10/15/09): Two presentations
• Dustin Bortner – Progressive Clustering of Networks Using Structure-Connected Order of Traversal (ICDE’10) Slides
• Chi Wang – Social Influence Analysis on Large Scale Networks (KDD’09) Slides

Week 9 (10/22/09): Two presentations
• Yintao Yu - Doulion: Counting Triangles in Massive Graphs with a Coin (KDD’09) Slides
• Bo Zhao – Creating Competitive Products (VLDB’09) slides

Week 10 (10/29/09): Two presentations
• Xiao Yu - Filtering and Refinement: A Two-Stage Approach for Efficient and Effective Anomaly Detection (ICDM’09) Slides
• Peixiang Zhao - Graphs-at-a-time: Query Language and Access Methods for Graph Databases (SIGMOD’08) Slides

Week 11 (11/05/09): Two presentations
• Zhijun Yin Tim Weninger - A Viewpoint-based Approach for Interaction Graph Analysis (KDD’09) Slides
• Hyung Sul Kim - TANGENT: A Novel, "Surprise-me", Recommendation Algorithm (KDD’09) Original Slides Modified Slides

Week 12 (11/12/09): Two presentations
• Zhenhui Li: Time Series Shapelets: A New Primitive for Data Mining (KDD’09) Slides
• Yizhou Sun- iTopicModel: Information Network-Integrated Topic Modeling (ICDM’09) Slides

Week 13 (11/19/09): Two presentations
• Lu-An Tang:
  • Continuous Monitoring of Nearest Neighbors on Land Surface (VLDB 09)- Paper Slides
  • Songhua Xing (Univ. of Southern California), Cyrus Shahabi (Univ. of Southern California), Bei Pan (Univ. of Southern California)
• Xin Jin: Graph Clustering Based on Structural/Attribute Similarities (VLDB’09) Slides

Week 14 (11/26/09): No class (Thanksgiving Break)
Week 15 (12/03/09): No class: Data Mining Group Semester Summary Meeting