

Math3346 - 2006: Presentations

Tuesday October 17

11.00-11.20 Linda Buisman (chair Chris Wilcox)
Wang & McCallum: Topics over Time KDD2006

11.20-11.40 Pete Janes (chair David Marshall)
Fienberg: Privacy & Confidentiality in an E-commerce World.
(Statistical Science 21, no 2 May 2006, pp.143-154)

11.40-12.00 Chris Wilcox (chair Linda Buisman)
Fong, Skillicorn & Roussinov: Detecting Word Substitution in Adversarial Communication
<http://www.siam.org/meetings/sdm06/workproceed/Link Analysis/index.html>

12.00-12.20 Joel Nation (chair Pete Janes)
Group Formation in Large Social Networks: Membership, Growth, and Evolution
Lars Backstrom, Dan Huttenlocher, Jon Kleinberg, Xiangyang Lan KDD2006

12.20-12.40 Nathan Brewer (chair Zheng Ying Hua)
Geoffrey I. Webb: [Discovering significant rules](#) KDD2006

October 24, 1 1.00-13.00

11.00-11.20 David Marshall (chair Dmitry Kamenetsky)
Tao, Xiao and Zhou: Mining Distance-Based Outliers KDD2006

11.20-11:40 Zheng Ying Hua (chair Xinhua Philip Zhang)
On Privacy Preservation Against Adversarial Data Mining KDD2006

11.40-12.00 Xinhua Philip Zhang (chair Joel Nation)
Learning the Unified Kernel Machines for Classification: Hoi, Chang, & Lyu KDD2006

12.00-12.20 Dmitry Kamenetsky (chair Nathan Brewer)
Measuring and Extracting Proximity in Networks
Yehuda Koren, Stephen North, Chris Volinsky KDD2006

12.20-12.40 Ben Swift (chair Augusto Sanabria)
Jung-Beeman, M., Bowden, E.M., Haberman, J., Frymiare, J.L., Arambel-Liu, S. et al. 2004.
Neural activity when people solve verbal problems with insight. PLoS Biol 2(4): e97 DOI:
10.1371/journal.pbio.0020097

12.40-13.00 Matthew Pollard (chair Joseph Guillaume)
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October 24, 1 4.00-15.00

2.00-2.20 Daniel David Harabor (chair Priscilla Kan-John)
Davis & Dhillon, "Estimating the global pagerank of web communities" from KDD 2006.
[Link](#)

2.20-2.40 Augusto Sanabria (chair Ben Swift)
1) Ramh E & Hai Do H. (2000), "Data Cleaning: Problems and Current Approaches". Bull. of the IEEE Comp. Soc. Techn. Committee on Data Eng.
2) Maletic J.I. and Marcus A. (1999), "Progress Report on Automated Data Cleansing". Dep. of Math Sciences, Div. of Computer Science. Univ. of Memphis.

2.40-3.00 Priscilla Kan-John (chair Daniel David Harabor)
A Statistical Measure of a Population's Propensity to Engage in Post-Purchase Online Word-of-Mouth.
Chrysanthos Dellarocas and Ritu Narayan; Statistical Science 21, no 2, May 2006, 277-285

Thursday October 26 10.00-11.00

10.00-10.20 Toby Potter (chair Joseph Guillaume)

A multiple tree algorithm for the efficient association of asteroid observations KDD2005

10.20-10.40 Joseph Guillaume (chair Toby Potter)

Bergstra, J et al. (2005). Aggregate features and ADABOOST for music classification. /Machine Learning/.

<http://www.springerlink.com/content/4r21434515p31j73/?p=9fb90d3e643f4bbdbe8ff05d543b2588&pi=8>

Use of Computer Equipment

If possible, please bring your presentation on a thumb drive or CD. I have a thumb drive onto which the file can be copied, if necessary. Use of pdf is preferable to Power Point. Transfer of files between different versions of Power Point can be problematic, with mathematical symbols somewhat scrambled.

Alternatively or additionally, you can email a copy of the file to me. I will post it on my web site and put it onto a thumb drive.

NB: Aim at 15 minutes for the presentation, with 5 minutes for questions. We need to keep rather strictly to the total 20 minute limit.

Marking of Presentations (20 marks)

Equal marks (5 each) will be assigned to:

1. Presentation Quality: quality of slides; quality of delivery
2. Coverage of chosen paper
3. Demonstration of knowledge of chosen area in the context of the course, ie extending discussion of paper to touch on issues & methods covered in the course.
4. Quality of critical evaluation of paper.