

Resources: predictive modeling with networked data

Here is a non-exhaustive list of resources to explore work on predictive modeling with networked data. Beyond providing overviews & details, and identifying particular research projects, these resources give a flavor for the variety of topics, and a sampling of the researchers working on them.

- **Books**
 - Introduction to Statistical Relational Learning, ed. Getoor and Taskar 2007
 - <http://mitpress.mit.edu/catalog/item/default.asp?ttype=2&tid=11331>
 - Relational Data Mining, ed. Dzeroski and Lavrac 2001
 - <http://www-ai.ijs.si/SasoDzeroski/RDMBook/>
 - Random Graph Dynamics by Rick Durrett . Cambridge University Press, 2006
 - <http://www.math.cornell.edu/~durrett/RGD/RGD.html>
 - N.E.J Newman, The Structure and Function of Complex Networks. SIAM Review (this isn't a book but is better than any of the books that overview complex networks).
 - <http://arxiv.org/abs/cond-mat/0303516>
- **Tutorials**
 - Statistical Relational Learning
 - <http://www.cs.umd.edu/~getoor/Talks/SRL-ICML-ILP05-Tutorial.ppt>
 - Markov Logic Networks
 - www.washington.edu/homes/pedrod/psrl.ppt
- **Journals** (special issues)
 - Multirelational data mining and statistical relational learning (MLJ)
 - <http://www.springerlink.com/content/5830543713335321/>
 - Inductive logic programming
 - (several in MLJ and JMLR)
 - Mining and learning with graphs (MLJ)
 - http://www.springer.com/cda/content/document/cda_downloaddocument/CFP_10994_171106.pdf?SGWID=0-0-45-334589-p35726603
- **Workshops**
 - Economics of social networks
 - ESSET 2006: <http://www.szgerzensee.ch/research/conferences/esset06/?L=1>
 - Mining and learning with graphs
 - ECML 2006 <http://www.inf.uni-konstanz.de/mlg2006/index.shtml>
 - <http://mlg07.dsi.unifi.it/>
 - (see also MGTS 2003-2005)
 - Multi-relational data mining:
 - KDD 2004 <http://www-ai.ijs.si/SasoDzeroski/MRDM2004/>
 - KDD 2003 <http://www-ai.ijs.si/SasoDzeroski/MRDM2003/>
 - KDD 2002 <http://www-ai.ijs.si/SasoDzeroski/MRDM2002/>
 - NYU Workshops on the Economics of Information Technology
 - 2006: http://w4.stern.nyu.edu/ceder/events.cfm?doc_id=5583
 - 2005: http://w4.stern.nyu.edu/ceder/events.cfm?doc_id=4174
 - Social network analysis
 - KDD 2007 <http://workshops.socialnetworkanalysis.info/websnakdd2007/>
 - KDD 2008 <http://workshops.socialnetworkanalysis.info/SNAKDD2008/>
 - Statistical network analysis:
 - <http://www.icml2006.org/icml2006/technical/workshops.html>
 - Statistical Network Analysis: Models, Issues, and New Directions. E. Airoldi, D.

Blei, S. Fienberg, A. Goldenberg, E. Xing, A. Zheng (Eds.). LNCS 4503, Springer.

- Statistical relational learning
 - ICML 2006 <http://www.cs.umd.edu/projects/srl2006/>
 - ICML 2004 <http://www.cs.umd.edu/projects/srl2004/>
 - IJCAI 2003 <http://kdl.cs.umass.edu/srl2003/>
 - AAI 2000 <http://robotics.stanford.edu/srl>
- Dagstuhl workshops on Probabilistic, Logical, & Relational Learning
 - <http://www.dagstuhl.de/05051/>
 - <http://kathrin.dagstuhl.de/07161>
- Conferences
 - Inductive Logic Programming (annual; <http://ida.felk.cvut.cz/ilp2008/>)

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