ICML 2006 Workshops
Learning in Structured Output Spaces
Open Problems in Statistical Relational Learning
Statistical Network Analysis: Models, Issues and New Directions
Joint Poster Session

Thursday June 29, 12:15 - 2:00

Learning in Structured Output Spaces Workshop posters:

Semi-supervised clustering using combinatorial MRFs
R. Bekkerman and M. Sahami

EDY: an algorithm for discovering complex events in symbolic sequences
U. Galassi, A. Giordana, and L. Saitta

MAP estimation in MRFs via rank aggregation
R. Gupta and S. Sarawagi

Sequential models for sentiment prediction
Y. Mao and G. Lebanon

Subgradient methods for maximum margin structured learning
N. D. Ratliff, J. A. Bagnell, and M. A. Zinkevich

Active learning with perceptron for structured output
D. Roth and K. Small

Training protein threading models using structural SVMs
C.-N. J. Yu, T. Joachims, and R. Elber

Open Problems in Statistical Relational Learning workshop posters:

Relational Clustering for Entity Resolution Queries
Indrajit Bhattacharya, Louis Licamele, Lise Getoor

Model-Assisted Approaches for Relational Reinforcement Learning: Some Challenges for the SRL Community
Tom Croonenborghs, Jan Ramon, Hendrik Blockeel, Maurice Bruynooghe

Tractable Learning and Inference with High-Order Representations
Aron Culotta, Andrew McCallum

The Thing We Tried That Worked: Utile Distinctions for Relational Reinforcement Learning
Will Dabney, Amy McGovern

View Learning Extended: Inventing New Tables for Statistical Relational Learning
Jesse Davis, Elizabeth Burnside, David Page, Víctor Santos Costa

MPE and Partial Inversion in Lifted Probabilistic Variable Elimination
Rodrigo de Salvo Braz, Eyal Amir, Dan Roth

MAP Estimation in MRFs via Rank Aggregation
Rahul Gupta, Sunita Sarawagi

First Order Decision Diagram for Relational MDPs
Saket Joshi, Roni Khardon, Chenggang Wang

Learning Systems of Concepts with an Infinite Relational Model
Charles Kemp, Joshua B. Tenenbaum, Thomas L. Griffiths, Takeshi Yamada, Naonori Ueda

A General Model for Relational Clustering
Bo Long, Zhongfei Zhang, Xiaoyun Wu, Philip Yu

Recursive Random Fields
Daniel Lowd, Pedro Domingos

Structure Refinement in First Order Conditional Influence Language
Sriraam Natarajan, Weng-Keen Wong, Prasad Tadepalli

Bias/Variance Analysis for Network Data
Jennifer Neville, David Jensen

Online Feature Discovery in Relational Reinforcement Learning
Scott Sanner

Empirical Comparison of Approximate Inference Algorithms for Networked Data
Prithviraj Sen, Lise Getoor

Learning Infinite Hidden Relational Models
Zhao Xu, Volker Tresp, Kai Yu, Hans-Peter Kriegel

Open Problems in Relational Data Clustering
Adam Anthony, Marie desJardins

Speaking of Relations: Connecting Statistical Relational Learning and Multi-Agent Systems
Marie desJardins, Matthew E. Gaston

Using Predictive Clustering and Probabilistic Constraint Solving for Structural Predictions
Kurt Driessens, Hendrik Blockeel
Expressivity Analysis for PL-Languages
Manfred Jaeger, Kristian Kersting, Luc De Raedt

Toward Statistical Predicate Invention
Stanley Kok, Pedro Domingos

Open Problem: Dynamic Relational Models for Improved Hazardous Weather Prediction

Amy McGovern, Adrianna Kruger, Derek Rosendahl, Kelvin Droegemeier

Statistical Network Analysis: Models, Issues and New Directions Workshop posters:

Information marginalization on subgraphs
Jiayuan Huang, (University of Waterloo), Tingshao Zhu, Russell Greiner, Dale Schuurmans (University of Alberta) & Dengyong Zhou (NEC Laboratories America)

Predicting protein-protein interactions using relational features
Louis Licamele & Lise Getoor (University of Maryland, College Park)

Age and geographic inferences of the LiveJournal social network
Ian MacKinnon & Robert Warren (University of Waterloo)

A brief survey of machine learning methods for classification in networked data and an application to suspicion scoring
Sofus A. Macskassy (Fetch Technologies Inc.) & Foster Provost (New York University)

Inferring formal titles in organizational email archives
Galileo M.S. Namata Jr, Lise Getoor (University of Maryland, College Park) & Christopher P. Diehl (John Hopkins Applied Physics Laboratory)

Discovering functional communities in dynamical networks
Cosma R. Shalizi (Carnegie Mellon University) & Marcelo F. Camperi (University of San Francisco, San Francisco)

Learning approximate MRFs from large transaction data
Chao Wang & Srinivasan Parthasarathy (Ohio State University)

Entity and relationship labeling in affiliation networks
Bin Zhao, Prithviraj Sen & Lise Getoor (University of Maryland, College Park)