Supervisor: Prof. Samuel Kaski, Dr. Pekka Parviainen

Contact information: first.last@aalto.fi

Job description: We are looking for a summer trainee interested in doing basic research in statistical machine learning. Our core expertise is learning from complex and multiple data sources using Bayesian methods. Probabilistic graphical models (PGM) such as Bayesian networks are applied widely to uncover relationships between variables and to represent probability distributions. In many practical applications the data are combined from several sources. Here the interesting question is how the sources, that is, variable groups are related. In this project we develop novel graphical models and algorithms for learning dependencies and independencies between variable groups. This project requires strong mathematical background and good programming skills.

Additional information: http://research.ics.aalto.fi/mi/research.shtml