MAN - Statistical Machine Learning: Meta-Analysis

**Supervisor:** Prof. Samuel Kaski, Dr. Paul Blomstedt, Dr. Ritabrata Dutta

**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, a problem that arises in application fields ranging from proactive interfaces to computational biology, medicine, computational neuroscience, and epigenetic studies. Meta-analysis is concerned with combining and integrating information from multiple statistical analyses by hierarchical modeling. Until now meta-analysis has mainly focused on integrating two-sample t-tests. In this project, the student will be working on generalizing meta-analysis for integration of more general statistical analyses and also scaling up the inference by sequential methods. This project is a good stepping-stone for students interested in quick-start into the field of machine learning.

**Additional information:** [http://research.ics.aalto.fi/mi/research.shtml](http://research.ics.aalto.fi/mi/research.shtml)