RLH - Statistical Machine Learning: Reinforcement Learning and Human-Computer Interaction

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**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. In the past we have been working on improving online user interfaces (e.g., search engines or recommender systems) by taking into account the dynamic interaction with the user. In this project the student will work on developing new reinforcement learning algorithms, applied to dynamic user intent modelling in the cool next-generation interfaces. Mathematical background and good programming skills would be useful, knowledge of human computer interaction advantageous.

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