DAG - Structured Prediction on Directed Acyclic Graphs

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**Job description:** Many real world classification tasks call for predicting object’s membership in a taxonomy that is represented by a directed acyclic graph (DAG). Examples include large scale document classification, gene function prediction, and molecular classification. Structured prediction methods are trained to discriminate between a correct sub-DAG and all incorrect ones with a large margin, whilst regularising the model to avoid overfitting. Your task will be to evaluate different learning algorithms for the DAG-structured prediction task and to participate in developing novel methods for this task with the KEPACO research group.

**Additional information:** Research group web page [http://research.ics.aalto.fi/kepaco/](http://research.ics.aalto.fi/kepaco/)