

On Tree-based Methods for Similarity Learning

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TreeRank is a **general approach to ranking**,
see [Clemencon and Vayatis, 2009].

Similarity learning (SL) algo. are evaluated
by **ranking criteria** in applications,
e.g. face recognition,
see [Grother and Ngan, 2014].

TreeRank can be adapted for **SL**,
and its results using ***U*-statistics theory**.
Guarantees in sup norm in ROC space.

TreeRank's competitiveness on:

- the expressivity of a **proposal set family**,
- mitigating overfitting.

