

Séminaire de Probabilités et Statistique

Mardi 2 Avril à 14h00

Laboratoire Dieudonné
Salle de conférence - LJAD

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Comparison-Based Random Forests .

Joint work with Siavash Haghiri and Ulrike von Luxburg.

Assume we are given a set of items from a general metric space, but we neither have access to the representation of the data nor to the distances between data points. Instead, suppose that we can actively choose a triplet of items (A, B, C) and ask an oracle whether item A is closer to item B or to item C. In this talk, I will present a novel random forest algorithm for regression and classification that relies only on such triplet comparisons.

Paper : <http://proceedings.mlr.press/v80/haghiri18a.html>

Code : <http://proceedings.mlr.press/v80/haghiri18a.html>