



Workshop EPFL-Inria
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Jade Garcia Bourrée, Inria

Title: « Collaborative framework for multi-fairness audit »

Abstract:

Algorithmic audits aim to evaluate the fairness of decision models. Existing work in this domain assumes that auditors (agents) operate independently. However, the question of whether the collaboration between multiple agents can increase the accuracy of an audit remains open. We investigate this problem through the collaboration of independent agents, each auditing a particular attribute. We introduce a new framework for collaborative fairness auditing. We consider two collaboration strategies where agents (1) share queries and responses, and (2) coordinate on the query specification. The experimental results that will be presented come from work in progress.

Biography:

Jade Garcia Bourrée is a Phd student at Inria Rennes under the supervision of Erwan Le Merrer (Inria, Rennes), Gilles Trédan (Laas, Toulouse) and Benoît Rottembourg (Inria, Paris). Her thesis is about algorithmic audit in general. Before that, she completed a master's degree in computer science at ENS Rennes..