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Seminar

ON FAIRNESS, DISCRIMINATION AND CONDITIONAL PARITY AS A NOTION OF NON-DISCRIMINATION IN MACHINE LEARNING

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Abstract : www.stat.unipd.it/fare-ricerca/seminari

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We identify conditional parity as a general notion of nondiscrimination in machine learning. In fact, several recently proposed notions of non-discrimination, including a few counterfactual notions, are instances of conditional parity. We show that conditional parity is amenable to statistical analysis by studying randomization as a general mechanism for achieving conditional parity and a kernel-based test of conditional parity.