

# RACIAL AND GENDER BIASES IN PREDICTIVE ALGORITHMS

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Critical algorithm studies have already highlighted embedded bias of several sorts in existing algorithms. Most of these algorithms work to structure social relations in the present tense. However, a few of them are now used in police departments, judiciary processes (Angwin et al., 2016), or career offices (boyd et al, 2014; Stroud, 2014) to predict future developments. Predictive algorithms are particularly used in this field but they are already embedded in consumer recommendations. My cases will be mostly from the latter field but I intend to extrapolate conclusions for the cultural consumptions that will be increasingly shaped by these algorithms. In addition to already documented biases in big data that feed algorithms and producers of algorithms (a sample of cases can be found in Saka, 2020), predictive policing may already be triggering a set of actors and issues that cannot be reduced to mathematical explanations. They create tense social relations to the extent that dozens of city administrators in the US used the PredPol secretly (Haskins, 2019). Its creation connects Pentagon funding, academic research, municipal administrators, and activists (Winston, 2018)

The particular big data analyses for predictive reasons; debates around risk modeling and biometrics calculations etc; the actors and challengers of this type of algorithms; economics and business models related to software usage are some of the major topics I intend to analyze in-depth. This study will be particularly based on intensive analyses of media archives and relevant institutional documents. I intend to bring in ethnographic insights from Turkish authorities' usage, although I cannot guarantee access at the moment. However, due to my ongoing collaborations with computer scientists and to my involvement with STS (Science and Technology Studies) circles in my hometown I will be able to get advisory feedback in my inquiries.

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