

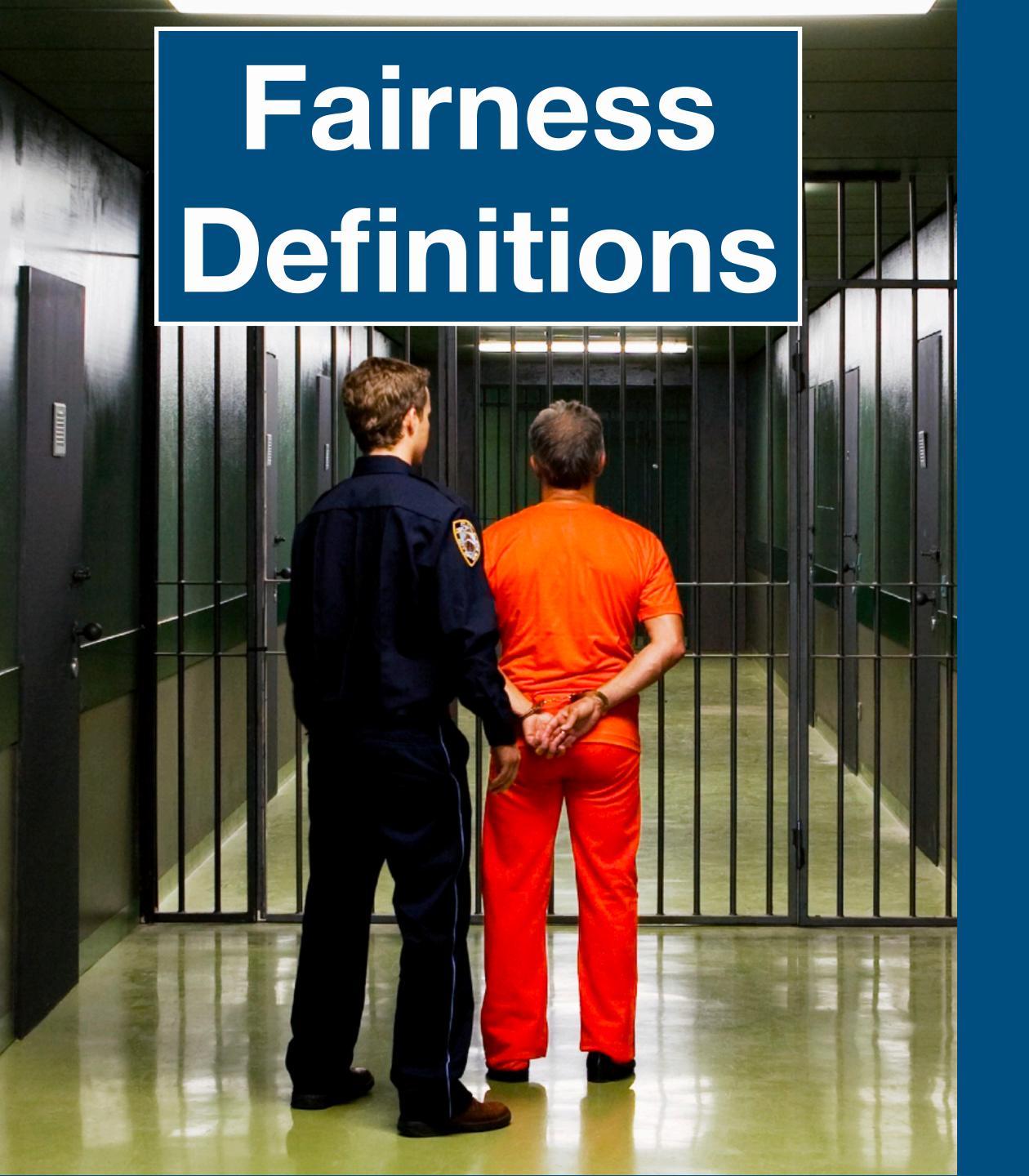






Fairness Definitions





Accuracy?

Recall?

False Positive Rate?

F1 Score?

Predictive Power?

Over 20 different measures of fairness are found in the ML fairness literature

Verma, Sahil, and Julia Rubin. "Fairness definitions explained." 2018 IEEE/ACM International Workshop on Software Fairness (FairWare). IEEE, 2018.

Impossibility of Fairness

Kleinberg, Jon, Sendhil Mullainathan, and Manish Raghavan. "Inherent Trade-Offs in the Fair Determination of Risk Scores." 8th Innovations in Theoretical Computer Science Conference (ITCS 2017). Schloss Dagstuhl-Leibniz-Zentrum fuer Informatik, 2017.