A taxonomy of algorithmic harm in the criminal legal system

Relationship with technology:

Data science/algorithm-related

Data science/algorithm-dependent

Data science/algorithm-determined

Data science/algorithm-specific

Nature of the harm:

Privacy violations
Criminalizing/punishing

Stage of algorithmic process:

Input

Processing

Output

Actor:

Private

Public

Individual

Institutional

Scale of automation

Excel spreadsheet
Cloud-based API

Modalities of the technology:

Intensifying (Creep)
Hiding/Obfuscating
Creating (New modes of non-police entities doing police work)
Legitimizing

Modalities of reparation:

Restitution

Compensation

Rehabilitation

Satisfaction (Truth & reconciliation, might include punishment here)

Non-repetition (e.g. disgorgement)