





Algorithmic management meets EU law

Integrating data protection, nondiscrimination and collective rights to curb the powers of 'automated bosses'

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Al & algorithms in workplaces

Mapping the workers' experiences

How are Italian and Spanish "ordinary" workforces managed by workplace tech?



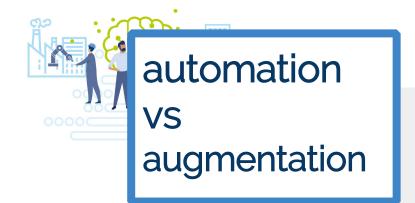
Regulating algorithmic bosses

A multidimensional, anticipatory and participatory approach

Is the existing legal framework suitable to address the augmented power of algorithmic bosses?



- A The workers' experiences Boss ex machina: the marvel and the menace



Augmenting the full range of an employer's traditional functions (organisation, control and disciplinary powers)

- Still left relatively undetermined is the workplace-level penetration
- To meet this gap, we map the concrete experiences of a group of private-sector employees in Italy and Spain



CV filtering background screening

job instructions day-to-day practices

performance monitoring firing



Reduced agency Micromanagement Excessive selfreporting **Constant monitoring** and assessment (co-workers & customers) Rudimentary organisational model Dysfunctional technologies Non-meaningful data Arbitrariness of company decisions

PRESSURE

Job-intensification (workload, tempo and working time)

OSH effects psychosocial risks



New management practices (assistive and executive) interact with pre-existing authority structures and features

- organisational structures have a relatively more important weight in explaining the impact on workers' conditions
- workers' discretionary power is constrained
 - definition of goals, the methods, the speed

Scarce penetration of modern tools

Managers using tech to **expand and** routinise their authority

amplification of the centres of power





W orkers are witnessing a shift from direct observation to technocratic control

 Not confined to workplaces and working time

Not matched by the counterweights defined by the legislature/statutes or collectively negotiated by social partners

- Human bosses are far from perfect
- EU legal frameworks constrain how managers must go about taking decisions
- Modern legal systems develop practices in confronting flaws in human decision making



- A Theory and regulation Legal avenues to tame algorithmic bosses



wearables, Al & algorithms in workplaces

o what's
new?

The problem

Algorithmic management involves:

- A slow, undetected and gradual shift at different paces in different industries
- An invisible trend that is also faceless, leading to a chilling effect
 - Competitive entitlements differentiated in a tailor-made, evolvable or unintuitive way
- A perception of being innocuous, presented as a magic wand for solving problems related to OSH, human subjectivity, bottlenecks, and systematic disparities in regular workplaces



wearables, AI & algorithms in workplaces

the legal context

The solutions

Labour law **moderates** the **unilateral discretionary power** of the dominant party by deploying controlling factors

- Are existing countervailing forces limited as they were designed upon forms of power that were significantly less sophisticated than today's technocratic authority?
- A convergence towards more encompassing and dissuasive methods
- Re-engineering strategic litigation, by deploying responsive strategies to limit abuses before they are perpetrated



Misplaced emphasis on **transparency** (along the lines of the "black box" metaphor)

 Such rhetoric shifts attention to inner workings, rather than external effects

W orker reps can rely on evidentiary tools that leverage the lack of information

The benefits of this uncertainty principle

- Placing the burden on employers to deploy processes that are reasonable and reportable
- Instrumental rights for changing decisions and laying the groundwork for a grievance



- Retrospective and complaint-led answers

 Issues mobilised in isolation + ex-post damage-control approach

More strategic, less litigation

multidimensional

business practices are shaped not only

collective

involvement of workers' reps as

preventive

pro-actively fostering equality & accountability



Two roadblocks:

- Inferential analytics detecting correlations and patterns – could escape the GDPR
- The opacity is as an obstacle to the legibility
 - Code mutates after a decision is made

This underestimates or obfuscates the **role** of the programmers, providers or users who:

- Decide to adopt tools to pursue goals that could be achieved by less intrusive means
- Introduce key commands
- Validate the original datasets



association (*Coleman*), proxy (*CHEZ*, residency), reluctance to provide data (*Meister* Art. 15 GDPR)

intent does not matter + simplified burden of proof (triggering ex ante compliance)

Discrimination litigation: effects are crucial, no need to "open the black box"



Art. 9 **health data** is not processable, but...OSH exception!



A relational approach towards data legibility & equality



Art. 35 **DPIA** (risk mitigation)

Art. 13, 14, 15 information & access rights

Art. 22 ban on ADMS & profiling (work-related exceptions + objection & human intervention)

Recital 71 (explanation)



Algorithmic management's "harms typically arise from how systems classify and stigmatise groups"

This intrinsic "data network effect" requires responses at the collective level

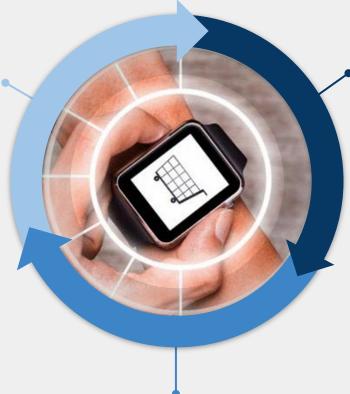
- Data protection law is rather individualistic
 and defensive in nature
- Non-discrimination struggles to capture the disparate effects stemming from ADMS affecting persons with characteristics outside the circle of protected grounds
 - comparisons not easy at the individual level



3. co-design & training

Workers are in the best position to draw up internal rules due to their knowledge of operational practices and hurdles

W orkers' reps can foster digital literacy + rely on experts



1. consultation & co-determination

From the earliest
phases when
companies are
considering the
installation or revision
of electronic devices

Lawfulness for data collecting and processing (Art. 5 + 88 GDPR)

2. multistakeholder risk-assessment and ex-post litigation

- Trade union representatives: (i) participating in the **DPIA** + (ii) filing c**laims** before a court and exercising data protection rights before the employer or the **DPA** "independently of a data subject's mandate" (Art. 80 GDPR).
- The same rights are laid down in the proposed **EU Dir. on Platform W ork** (Art. 14)



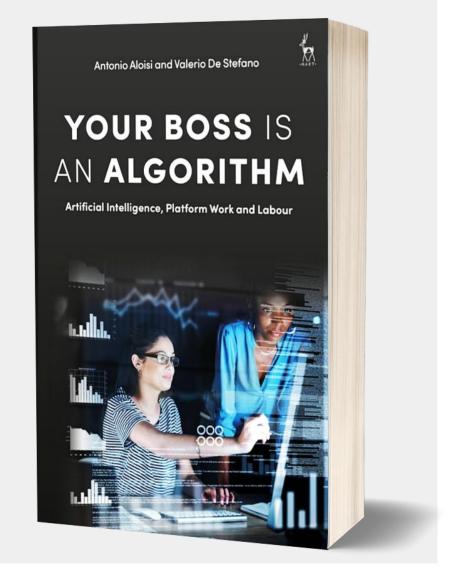
thank you!

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