

SOLIDARITY/EQUITY CASE

Exams determining college admissions canceled by pandemic

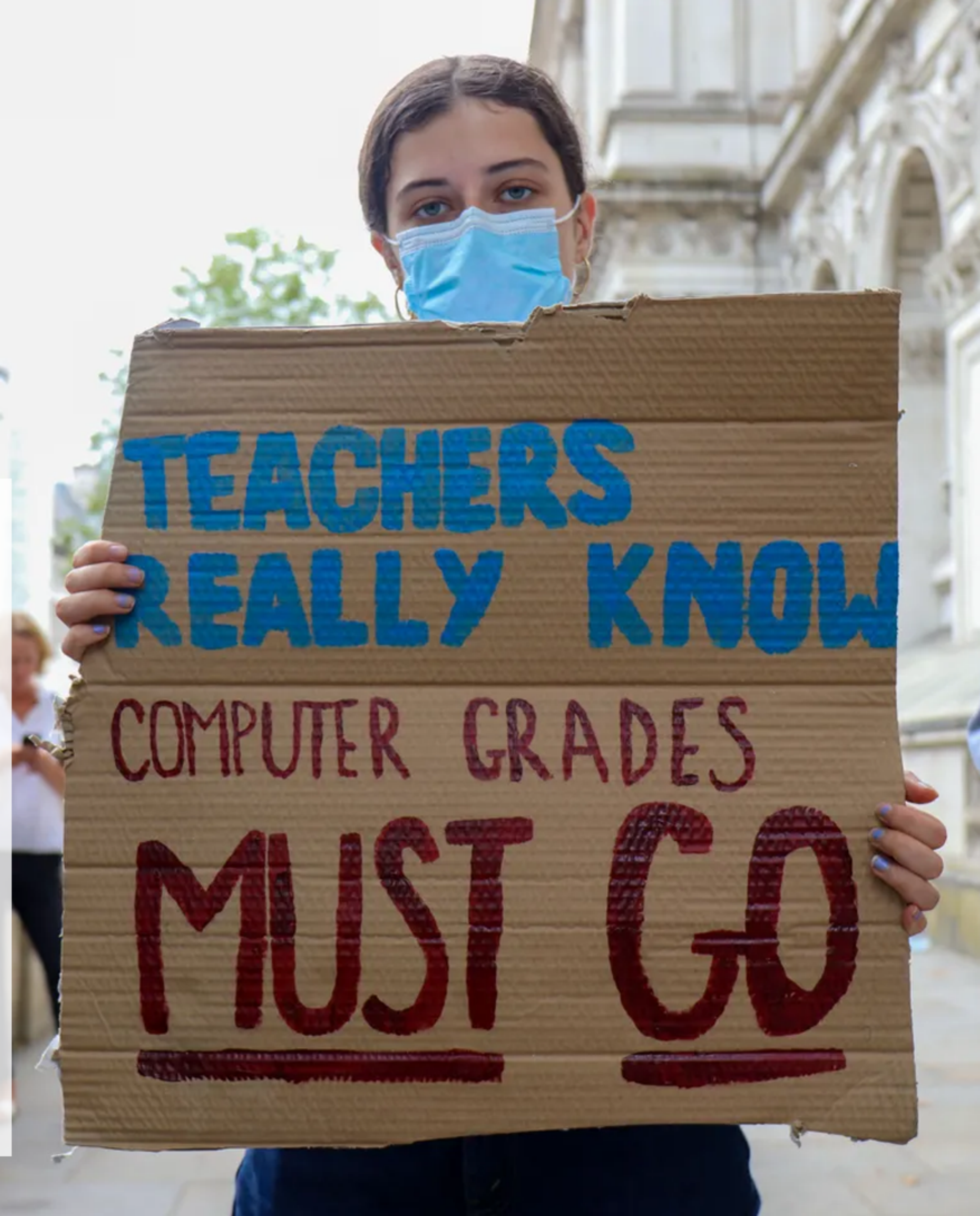
How decide incoming class?

AI scoring

Predict exam grades from available data

Advantages elite schools because they usually correspond with higher test performance ($\approx$ Best students by exam)

What is the objection?



SOLIDARITY/EQUITY CASE

Objections

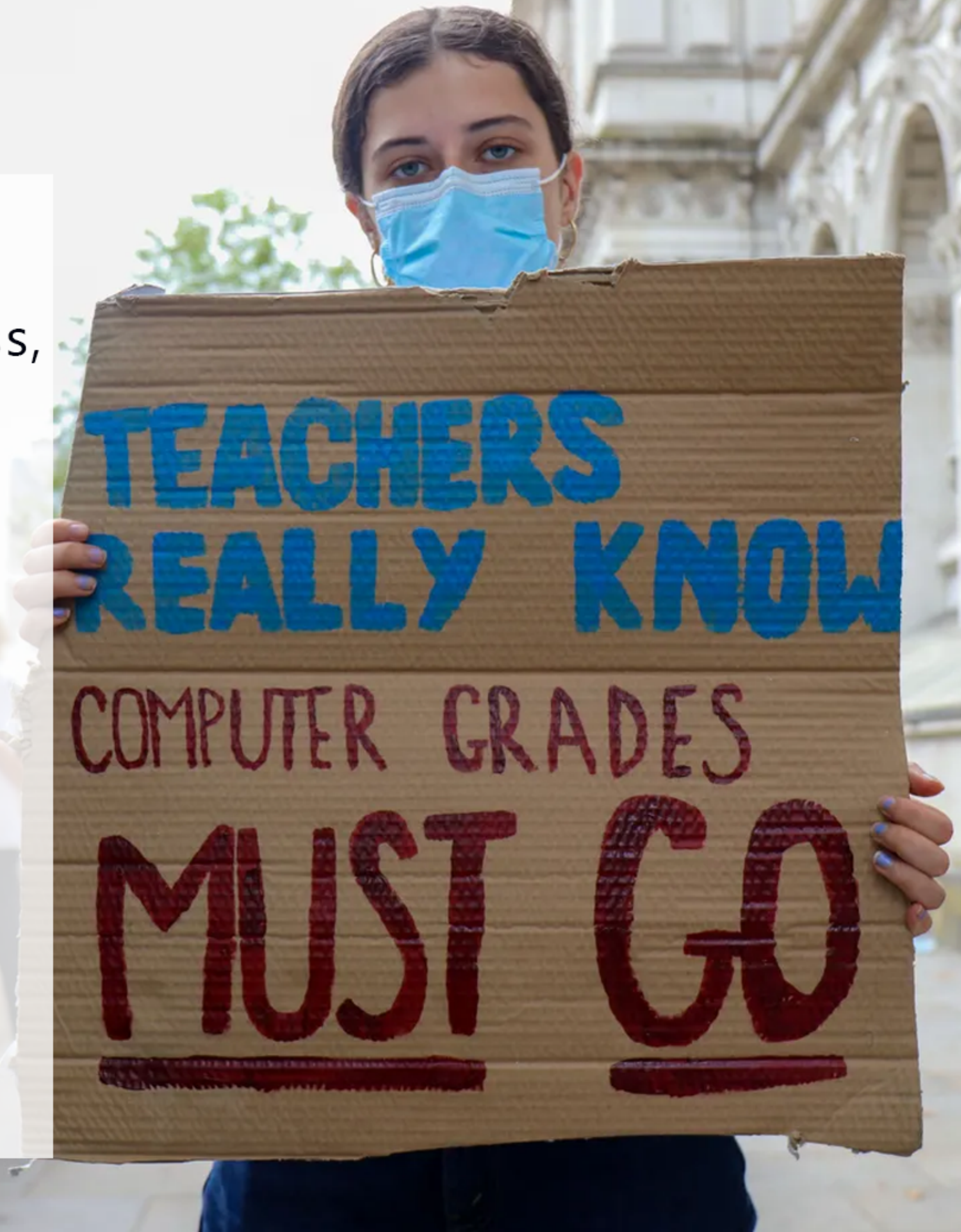
Computer grades give *appearance* of fairness, but not fair (people do not have a chance)

Solution to unite society

Select best students from each school
distributes benefit across population
(≠ best students by exam)

Is this a good solution?

How could computers contribute?
(Is her objection about ethics or tech?)

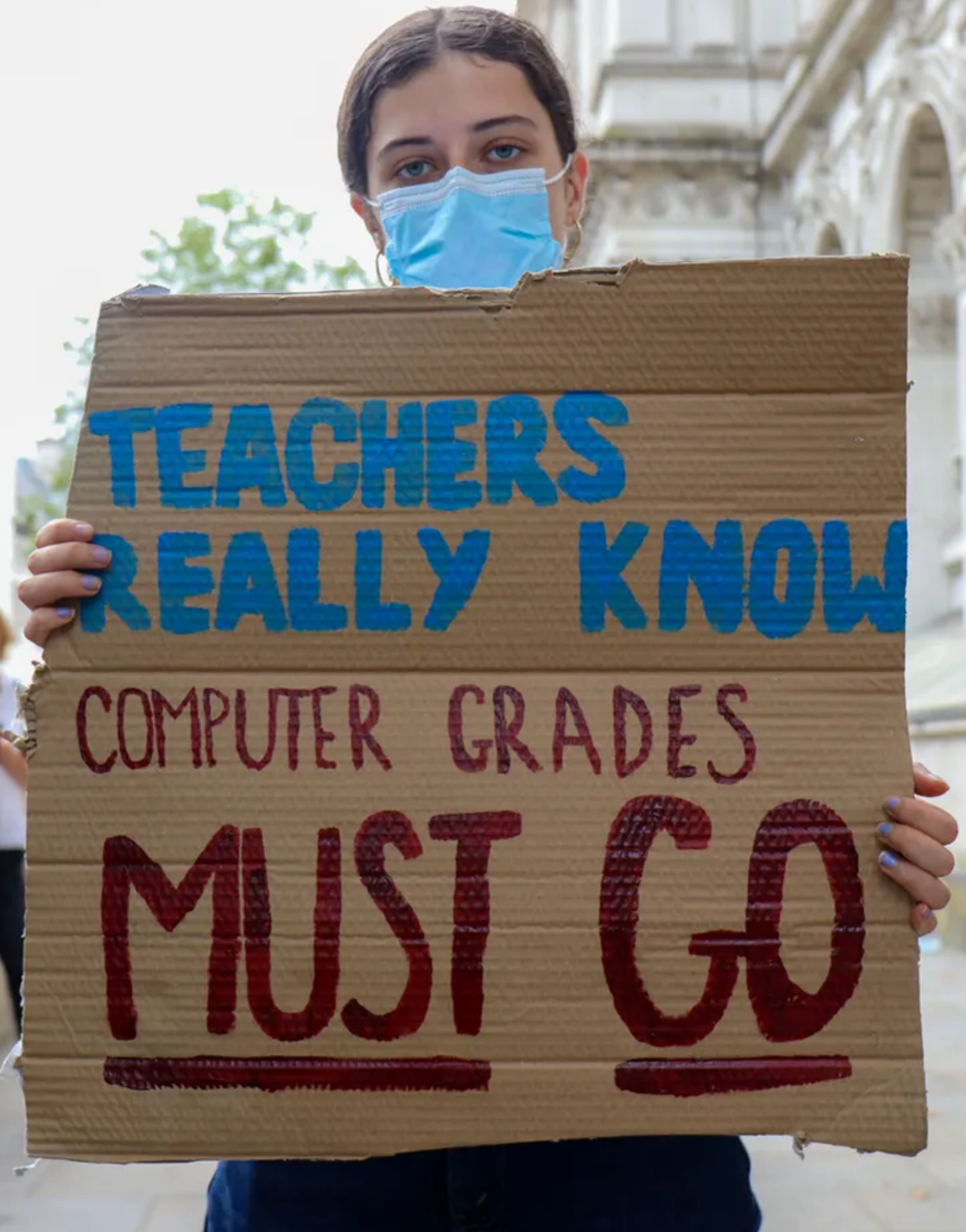


SOLIDARITY/EQUITY CASE

Solidarity/Equity *versus* Fairness

What is the *value* of collective solidarity & equity?

How can it be described, or measured?



DEFINITION SOLIDARITY / EQUITY

1. Philosophy

2. vs Fairness

DEFINITION SOLIDARITY / EQUITY

John Rawls, *A Theory of Justice*

1. Origin

"Original position" = behind
"veil of ignorance," including
psychological blindness

Neutral start catalyzes equity

*Whatever you do *is* justice (as opposed to
the experiment helps discover the "true"
definition of justice....)



DEFINITION SOLIDARITY / EQUITY

2. Theory:

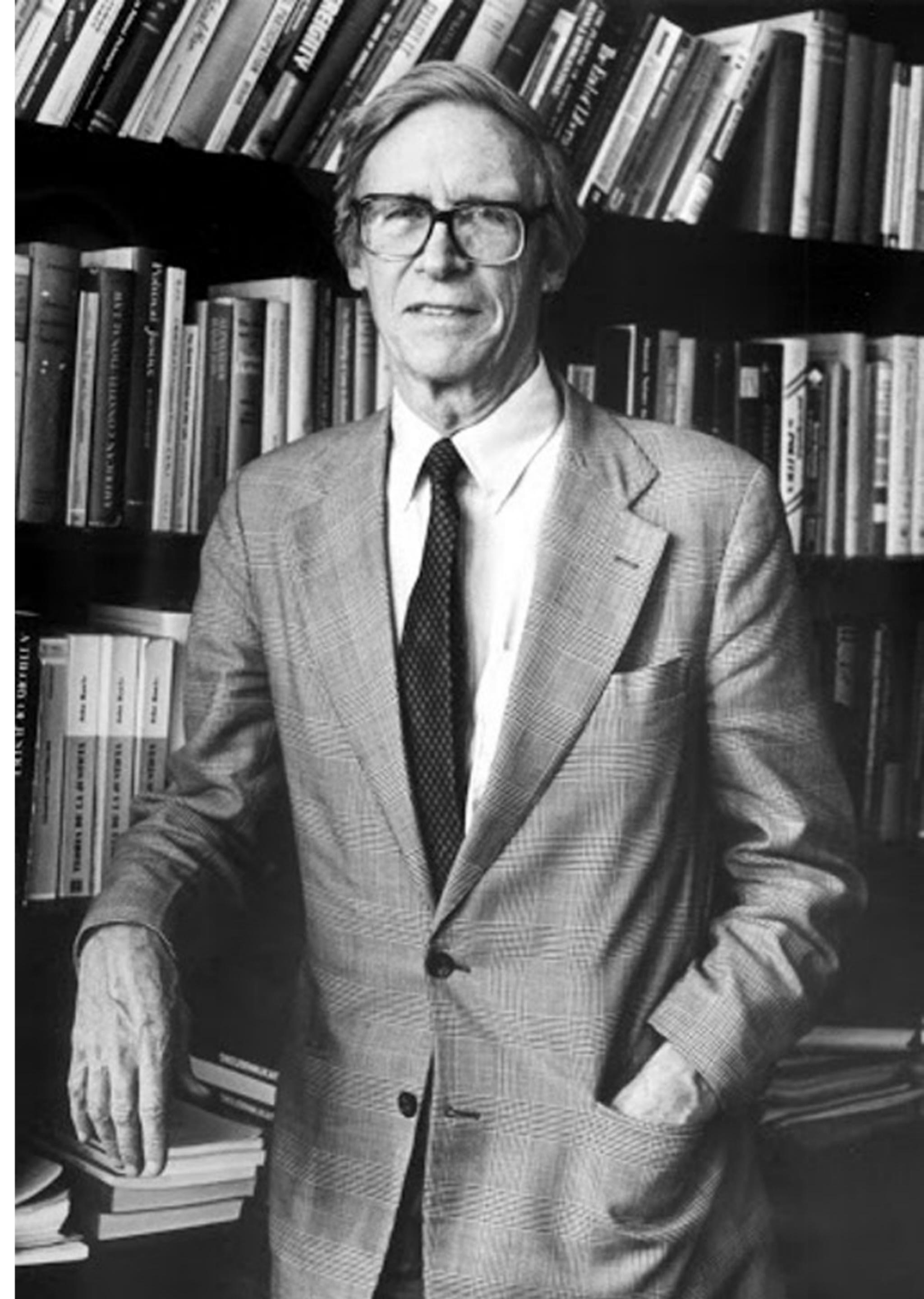
Social and economic inequalities, for example, inequalities of wealth and authority, are just only if they result in compensating benefits for everyone, and in particular for the least advantaged members of society. (Rawls 1972, p.14)

Max/Min: Max advantage to least advantaged

"Difference Principle"

Inequality only if most benefits the
the least advantaged

Inclusiveness: No one left behind



DEFINITION SOLIDARITY / EQUITY: EXAMPLE



DEFINITION SOLIDARITY / EQUITY: TECH EXAMPLE (FOR BLINDNESS)

* Advances in image recognition technology must benefit the least advantaged...

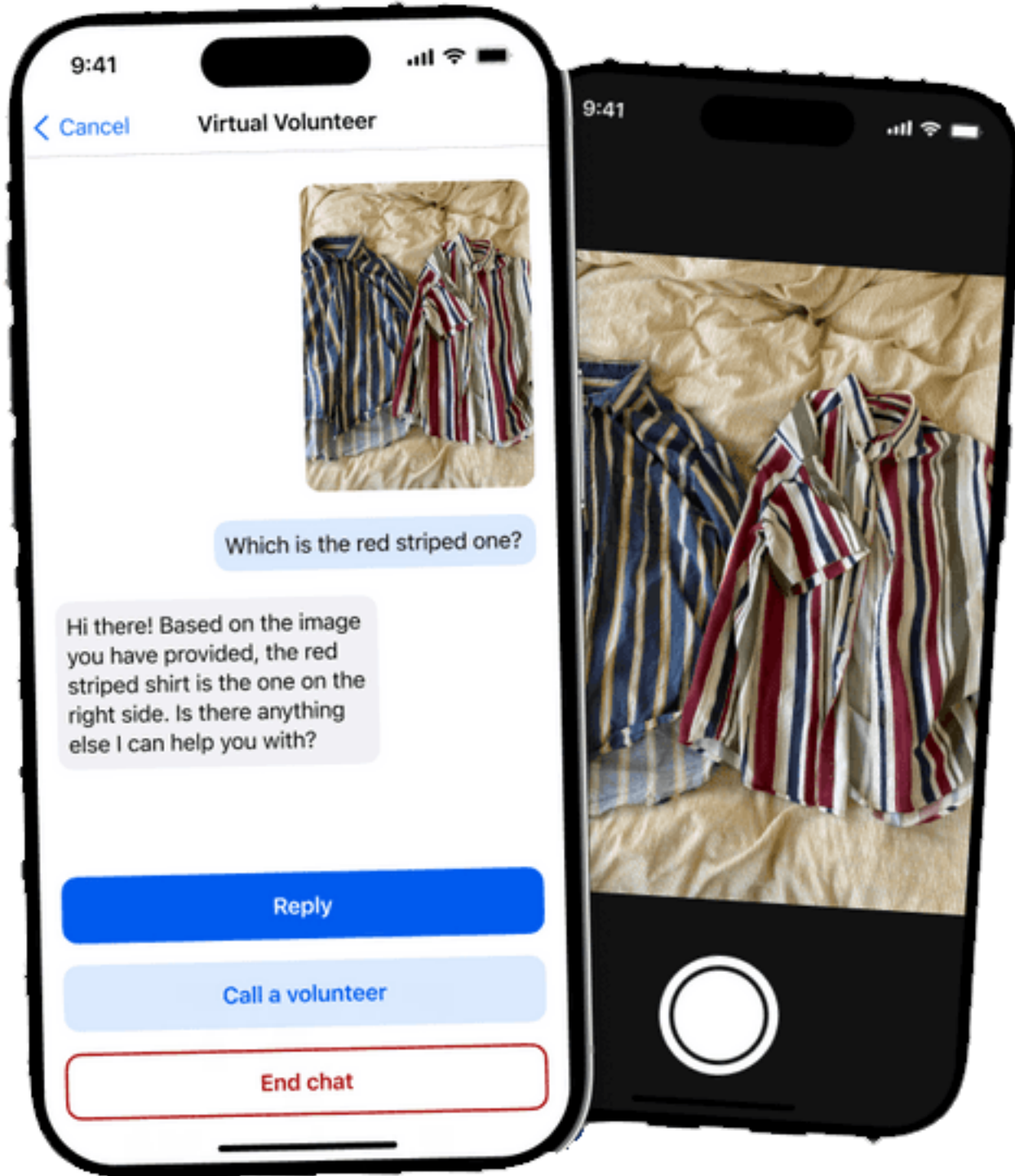
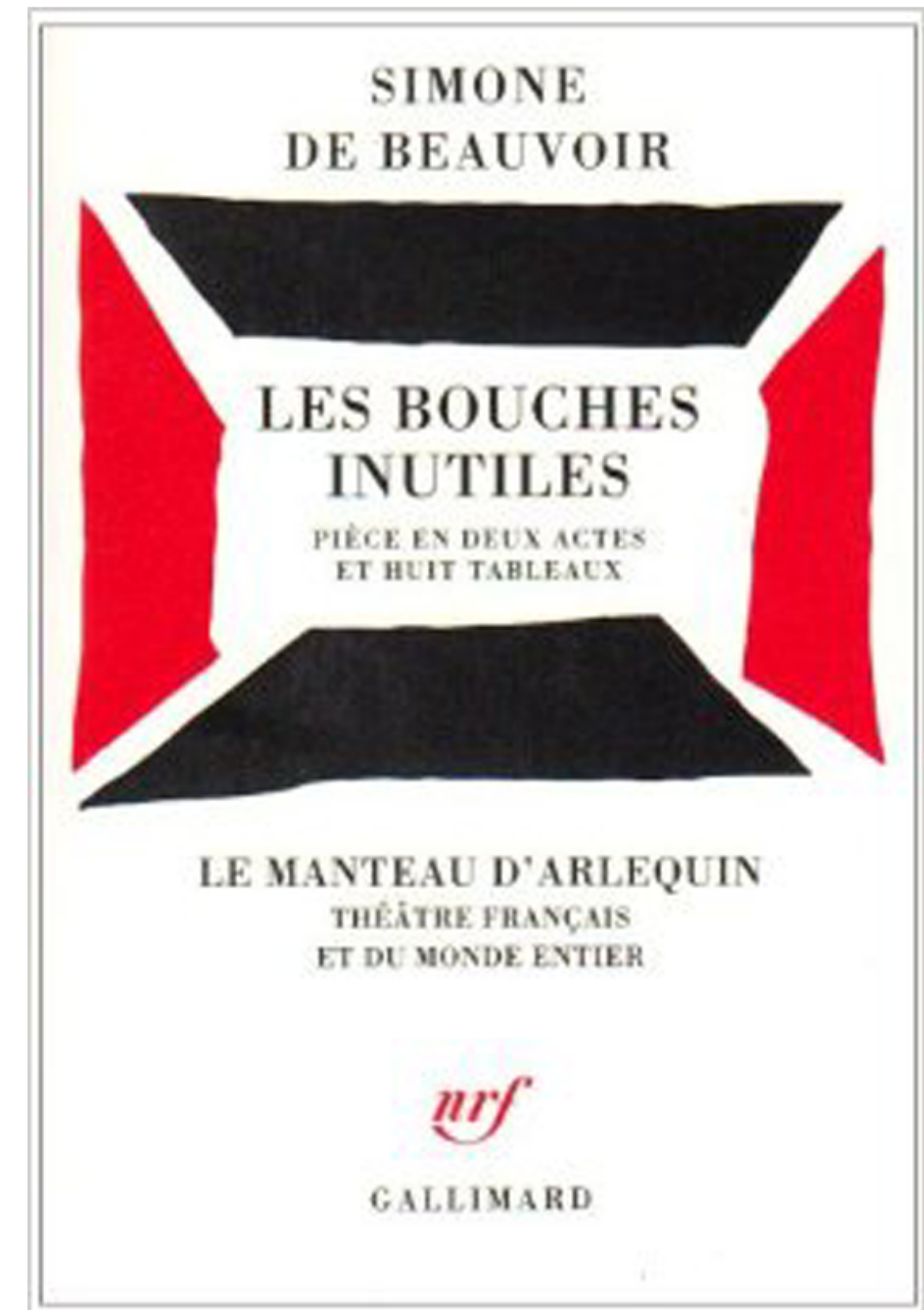
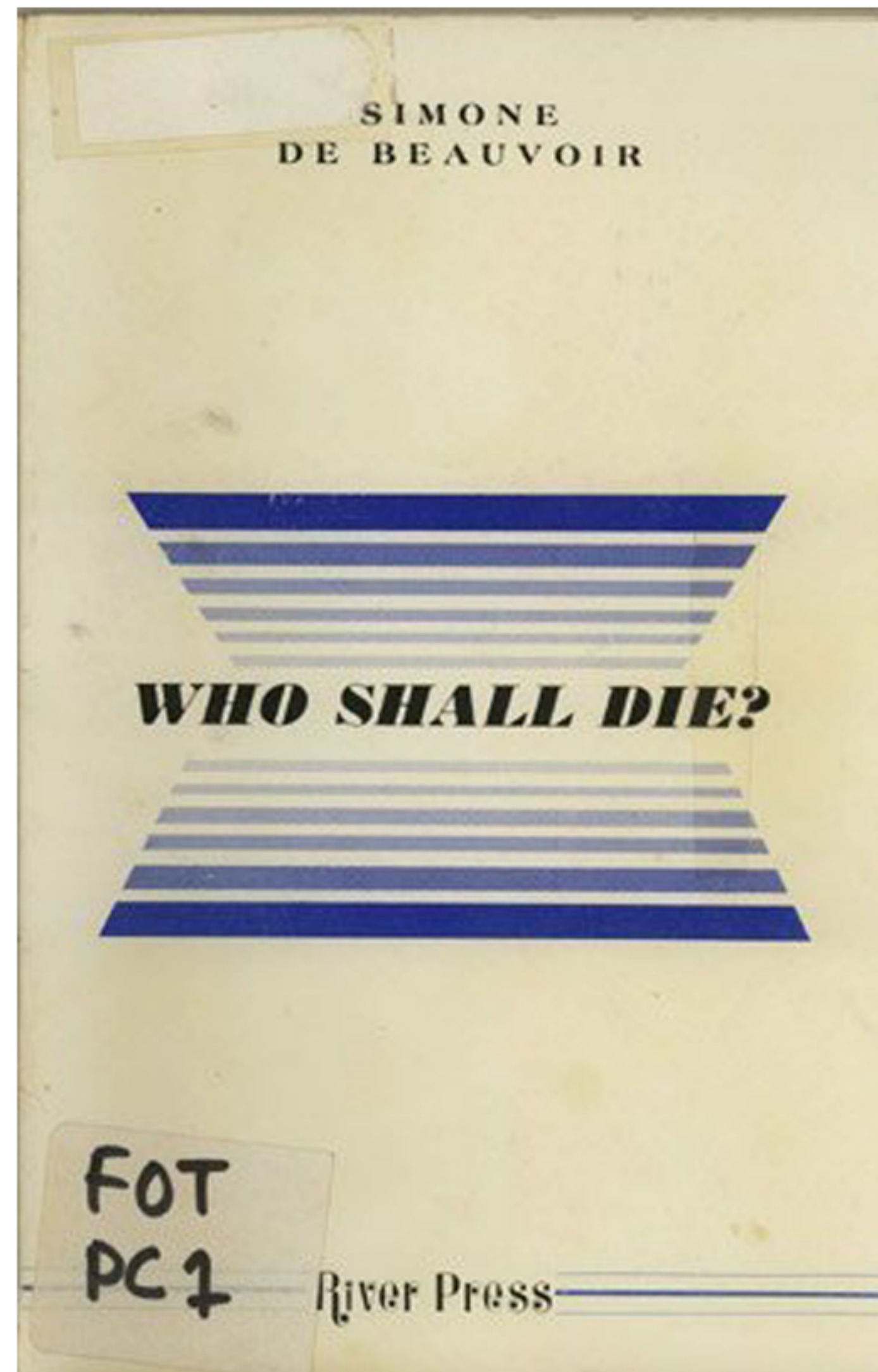


Image description generated by Be My AI:

The picture shows a box of assorted pastries and sweets. The box is being held by someone with their left hand, and their right arm is extended towards the box. The person is wearing a bright pink sweater. The pastries in the box are a mix of small cakes, tarts, and chocolates. There are some with a swirl of chocolate or pink frosting, some with nuts on top, and others with a dusting of powdered sugar. The box is white and the pastries are arranged neatly in rows. The background shows a wooden surface, possibly a table.

DEFINITION SOLIDARITY / EQUITY: LITERARY EXAMPLE



DEFINITION SOLIDARITY / EQUITY: CHATGPT

Please depict the concept of John Rawls' idea of Max/Min, ChatGPT 2023

The image representing John Rawls' idea of Max/Min has been created. The concept is symbolically depicted through the representation of a progressively rising platform with figures of varying sizes, highlighting the focus on maximizing the welfare of the least advantaged in society.



CASE: SOLIDARITY / EQUITY

In equal circumstances,
Facebook ads seeking
applications for high-level
executive positions served
more frequently to men
than women, even with
equal qualifications...



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- Proficiently candidates with experience on all aspects of recruitment
- Conversant with all aspects of labour laws and modern HR management practices
- A good command of English (oral / written)
- Dynamic & energetic with a positive attitude and a strong desire to grow
- Ability to interact with associates across the organization with a strong team orientation
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CASE: SOLIDARITY / EQUITY

Facebook Ad Auction Winner to maximize profit) = Highest total:

Bid: What advertisers will pay

+

Action: Probability user engagement

Fact: In equal circumstances, men more likely to click high-level executive positions than women = ads served more frequently to men...

Algorithmic determinations = potential to adjust engagement (who sees the ad, how often, etc....)

Do you? For whom? How? Why?

OUTLINE

Experience solidarity / equity

What is solidarity / equity?

- Max/Min distribution: Best outcome for the worst off

- Inclusiveness: No one left behind/out/apart

Examples

Case: Facebook ads

Fairness & Equity: Competing & overlapping theories

Topics in equity (versus individual values)

- Deskilling

- Social solidarity

FAIRNESS & EQUITY: COMPETING & OVERLAPPING THEORIES

Fairness

Equals treated equally and unequals treated proportionately unequally (Aristotle)

Process justifies the outcome

Equality applies to opportunities

Equality about verbs (what you can do)

Society is a collection of individuals

Ideal treatment of individuals dictates subsequent society

Paradigmatic case (where most everyone wants fairness, not equity): the Olympics

Individuality

Everyone can advance

1 coin flip

Equity

Greatest advantage to the least advantaged (Rawls)

Outcome justifies the process

Equality applies to outcomes

Equality is about nouns (who you are)

Individuals are aspects of a larger society

Ideal vision of society dictates subsequent treatment of individuals

Paradigmatic case (where most everyone wants equity, not fairness): a family

Inclusiveness

No one left behind

1,000,000 coin flips

FAIRNESS & EQUITY: COMPETING & OVERLAPPING THEORIES

Examples

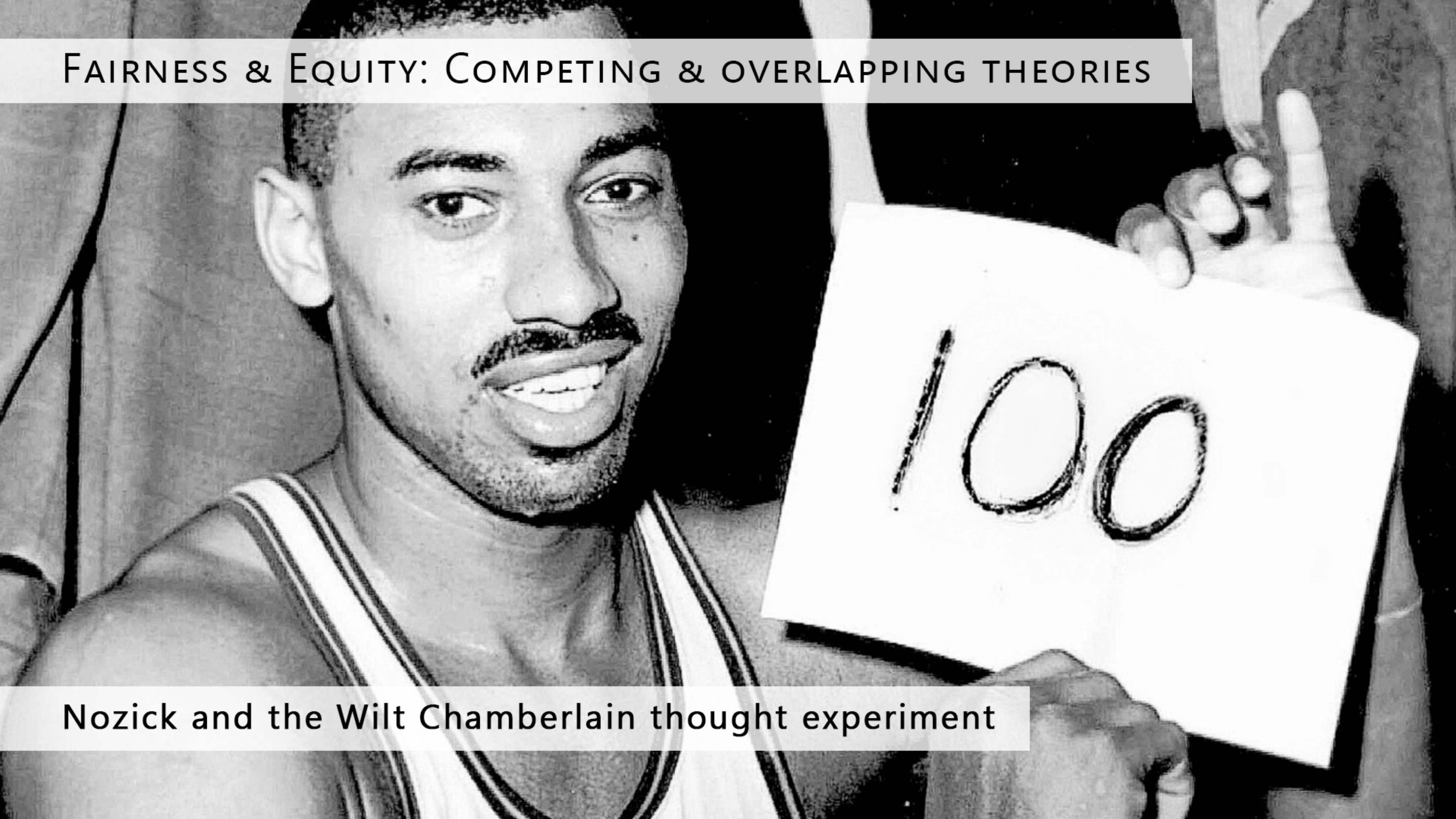
Wilt Chamberlain experiment (Nozick versus Rawls)

Distribution view

Distribution resources

Subset of Aristotle?

FAIRNESS & EQUITY: COMPETING & OVERLAPPING THEORIES



Nozick and the Wilt Chamberlain thought experiment

FAIRNESS & EQUITY: COMPETING & OVERLAPPING THEORIES

Nozick and the Wilt Chamberlain thought experiment

1. Wealth uniformly distributed across society.
2. Wilt Chamberlain - a star - negotiates contract where spectators place extra .25 cents in a separate box to see him play.
3. Deal is transparent, team agrees and spectators voluntarily pay.
4. At year's end, Chamberlain has \$250,000 more than other players and members of society.
5. Now what?
6. Nozick: Nothing wrong with wealth distribution at start. Chamberlain extra wealth acquired by free and fair individual choices, so there is nothing wrong with the way wealth acquired. So, there is nothing wrong with keeping it.
7. Solidarity/Rawls/taxation and redistribution are unfair and unjust.

FAIRNESS *VERSUS* SOLIDARITY / EQUITY



Competing AND overlapping

FAIRNESS & EQUITY THOUGHT EXPERIMENT: 2 PEOPLE, 1 COOKIE

How should the cookie
be distributed?

(Cookies could be
training data, compute...)

F + E	NF + E
F + NE	NF + NE

FAIRNESS & EQUITY THOUGHT EXPERIMENT: 2 PEOPLE, 1 COOKIE

F + E

**Both get $\frac{1}{2}$ cookie
(Assume equally
hungry)**

NF + E

**Person who
overslept breakfast
gets cookie (to
alleviate hunger)**

F + NE

**Lottery, 1 person
gets cookie**

NF + NE

**One eats cookie
while other
distracted**

COMPETING & OVERLAPPING

Aristotle fairness: "Equals equally and unequals unequally"

Rawls solidarity: Leverage unequals side,
always privilege the disadvantaged

Is solidarity a kind of fairness?

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Examples

Case: Facebook ads

Fairness & Equity: Competing & overlapping theories

Topics in equity (versus individual values)

- Deskilling

- Social solidarity

SOCIETY AND DESKILLING

Historical precedent:
Plato, writing, memory

Case: Is deskilling radiologists
(or others) *bad*? What
is the argument for
protecting against it?

Solidarity (collective value)
versus Autonomy/freedom
(individual value)

Versus dignity?

Quora

Search for questions, people, and topics



Rob Seddon-Smith, Medical general practitioner

Answered 3 years ago · Author has 1.7K answers and 2.4M answer views

I want to become a radiologist. However, will AI take over this career in the next half century and put me out of a job?

Not entirely, no.

However almost all of what radiologists do is amenable to Intelligent machines and even the interventional radiology such as guided injections could certainly be done as well, if not better than machines. Robots can already find a vein easily and there is no reason they could not find a large artery, insert a cannula then wiggle as required to achieve a goal. The control mechanisms are very easy to replicate for this kind of work.

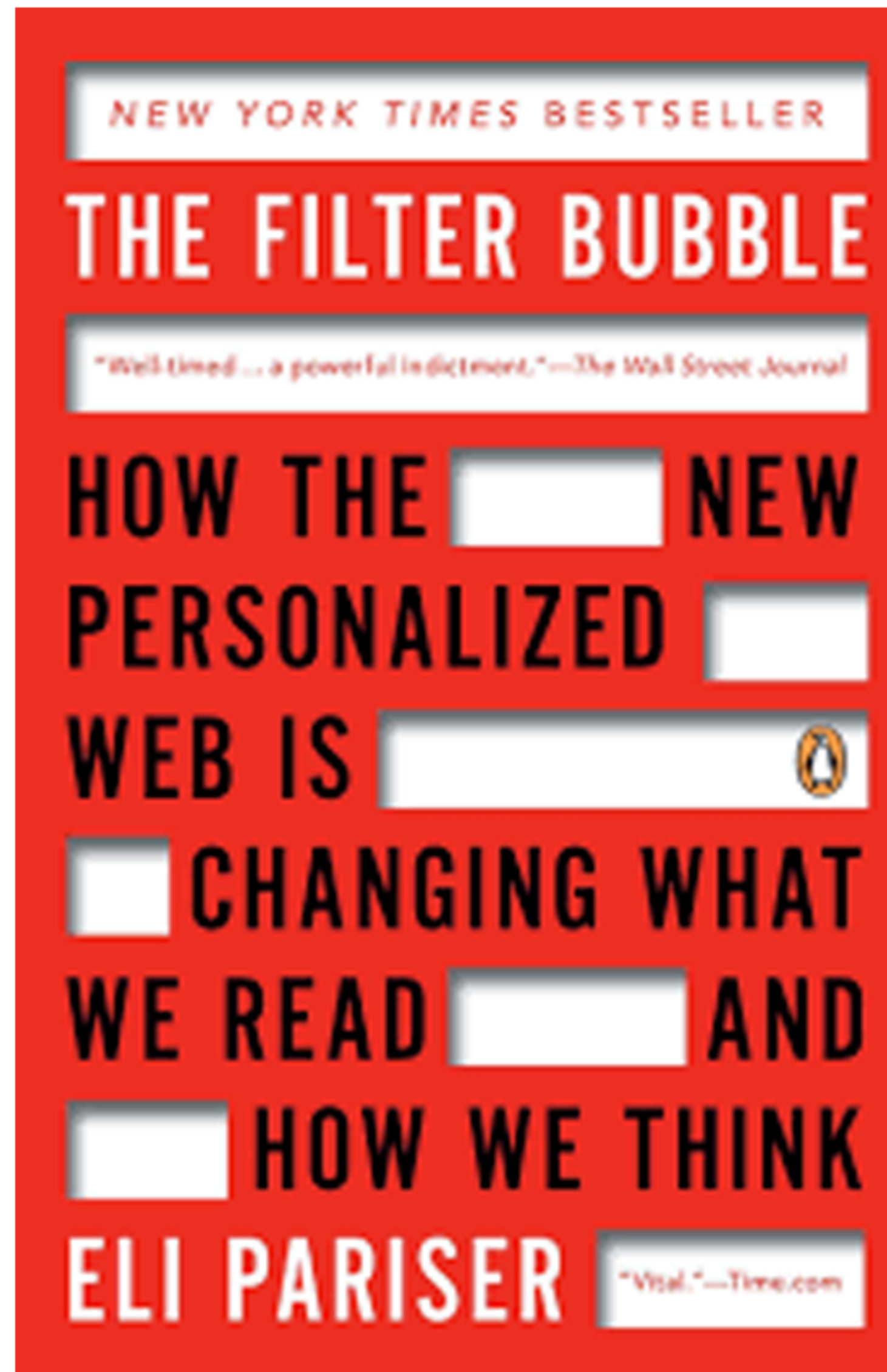
I think you would get a good 20–30 years out of the career in any Western country though and perhaps longer in a developing country because AI takes a long time to build and there are many better things for it to do than replace skilled humans. I think you will just have more fun in your career with AI taking out the drudgery.

Continue Reading ▼

Even if we start tra

THE INCLUSION SOCIETY? (1 of 2)

Filter bubbles
Cultural tribalization...
Political polarization...



THE INCLUSION SOCIETY? (2 OF 2)

02_ Theory filter bubble

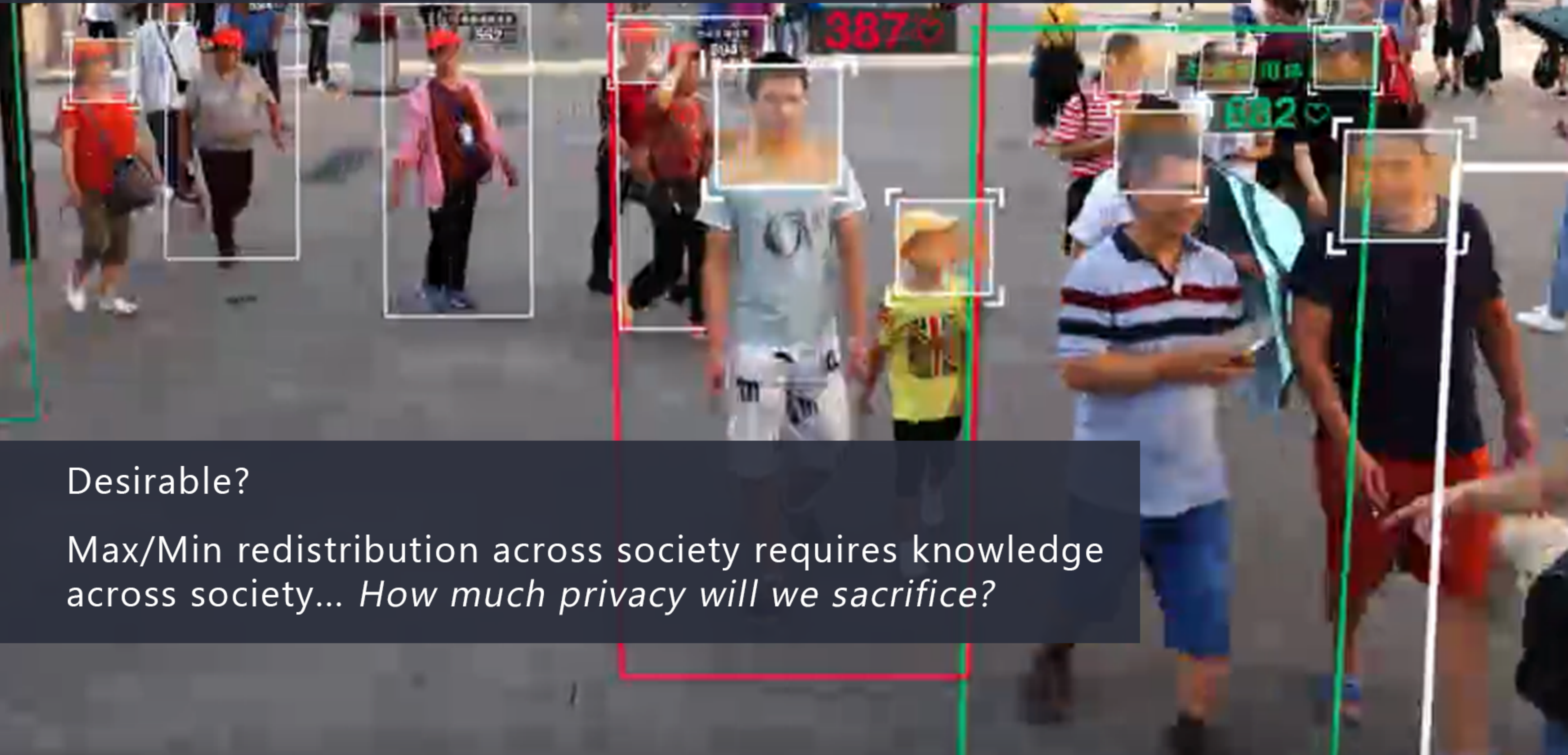
User-friendly design and public-friendly design are sometimes in tension.



Case: Should social media Explore/Exploit be reweighted for solidarity? *How?*

- * Autonomy/personalization response?
- * Dignity response?

THE HYPER-EQUITY SOCIETY: UNIFORMITY/SOCIAL SCORING



Desirable?

Max/Min redistribution across society requires knowledge across society... *How much privacy will we sacrifice?*