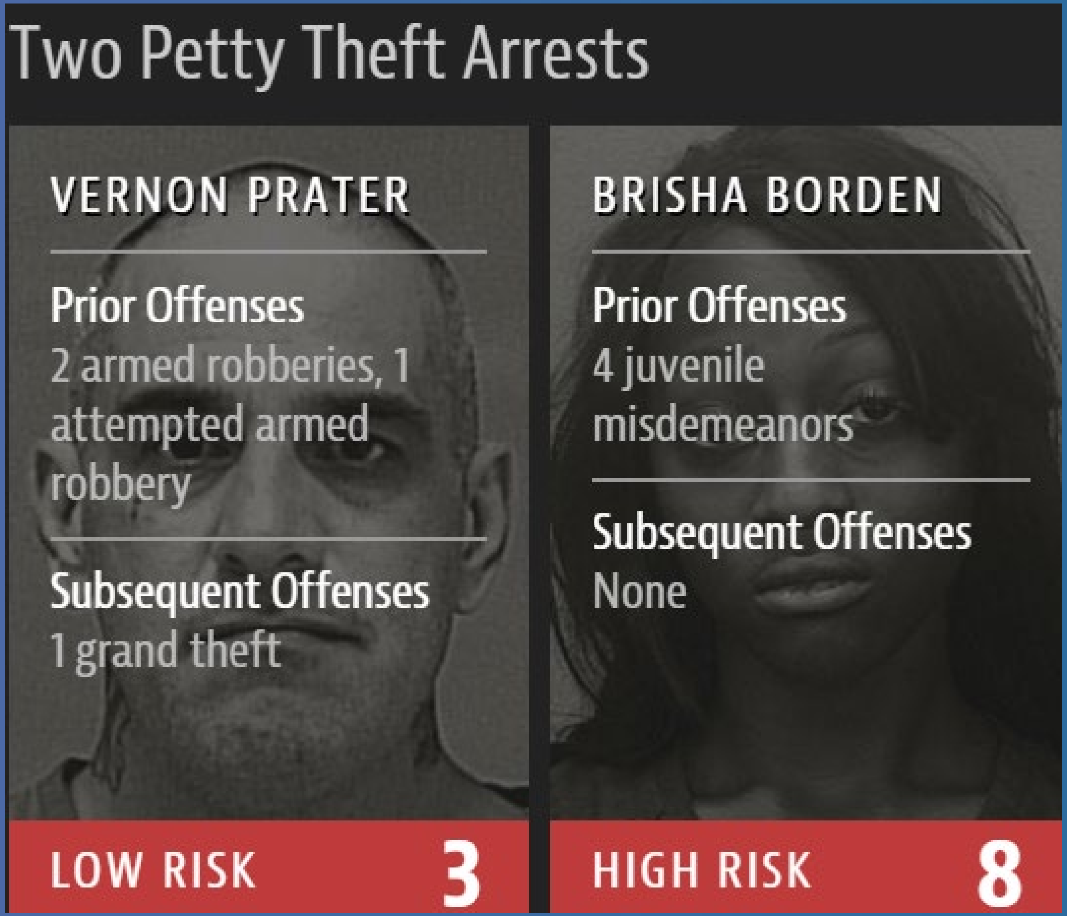
ARTIFICIAL INTELLIGENCE

- POWER
  PROMISE
  POSSIBILITIES
  PROGRESS

- PRIVILEGE
  PREJUDICE
  PEOPLE
  PROTECTION

A TROUBLESOME INHERITANCE
THE HIDDEN EFFECTS OF HISTORICAL DATA



Two Petty Theft Arrests

VERNON PRATER

Prior Offenses
2 armed robberies, 1 attempted armed robbery

Subsequent Offenses
1 grand theft

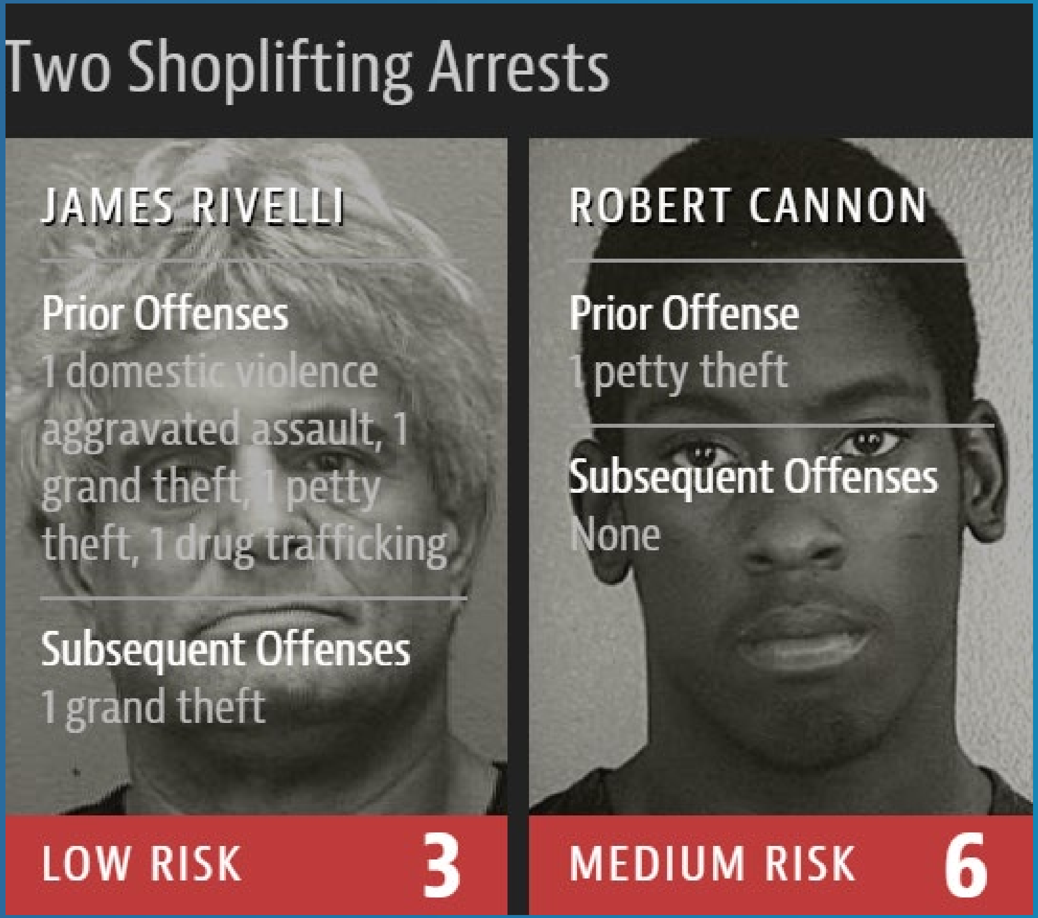
LOW RISK 3

BRISHA BORDEN

Prior Offenses
4 juvenile misdemeanors

Subsequent Offenses
None

HIGH RISK 8



Two Shoplifting Arrests

JAMES RIVELLI

Prior Offenses
1 domestic violence aggravated assault, 1 grand theft, 1 petty theft, 1 drug trafficking

Subsequent Offenses
1 grand theft

LOW RISK 3

ROBERT CANNON

Prior Offense
1 petty theft

Subsequent Offenses
None

MEDIUM RISK 6

Source: https://www.propublica.org/article/machine-bias-risk-assessments-in-criminal-sentencing

ARE WE USING NEW TECHNOLOGIES TO MODERNIZE OLD RACIAL TYPOLOGIES?

SURVEILLANCE
THE RIGHT TO KNOW
EXPRESSION
ASSEMBLY
MOVEMENT
PRIVACY
THE RIGHT TO BE FORGOTTEN

THE COMPUTER SAYS IT IS YOU!

FALSE ARREST
FALSE IMPRISONMENT
4TH AMENDMENT VIOLATION
THE RIGHT TO BE PROTECTED FROM UNREASONABLE SEIZURE
PRIVACY
CIVIL RIGHTS

CREATING NEW STORIES PERPETRATING OLD STEREOTYPES

POWER
CONTROL
EXPLOITATION
MONETIZATION
MONOPOLIZATION
OPPRESSION
WEAPONIZATION

```
irror_mod = modifier_ob.
t mirror object to mirror_
irror_mod.mirror_object =
peration == "MIRROR_X":
irror_mod.use_x = True
irror_mod.use_y = False
irror_mod.use_z = False
 operation == "MIRROR_Y":
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selection at the end -add
_ob.select= 1
er_ob.select=1
ntext.scene.objects.active
("Selected" + str(modifier
irror_ob.select = 0
 bpy.context.selected_obj
ata.objects[one.name].sel

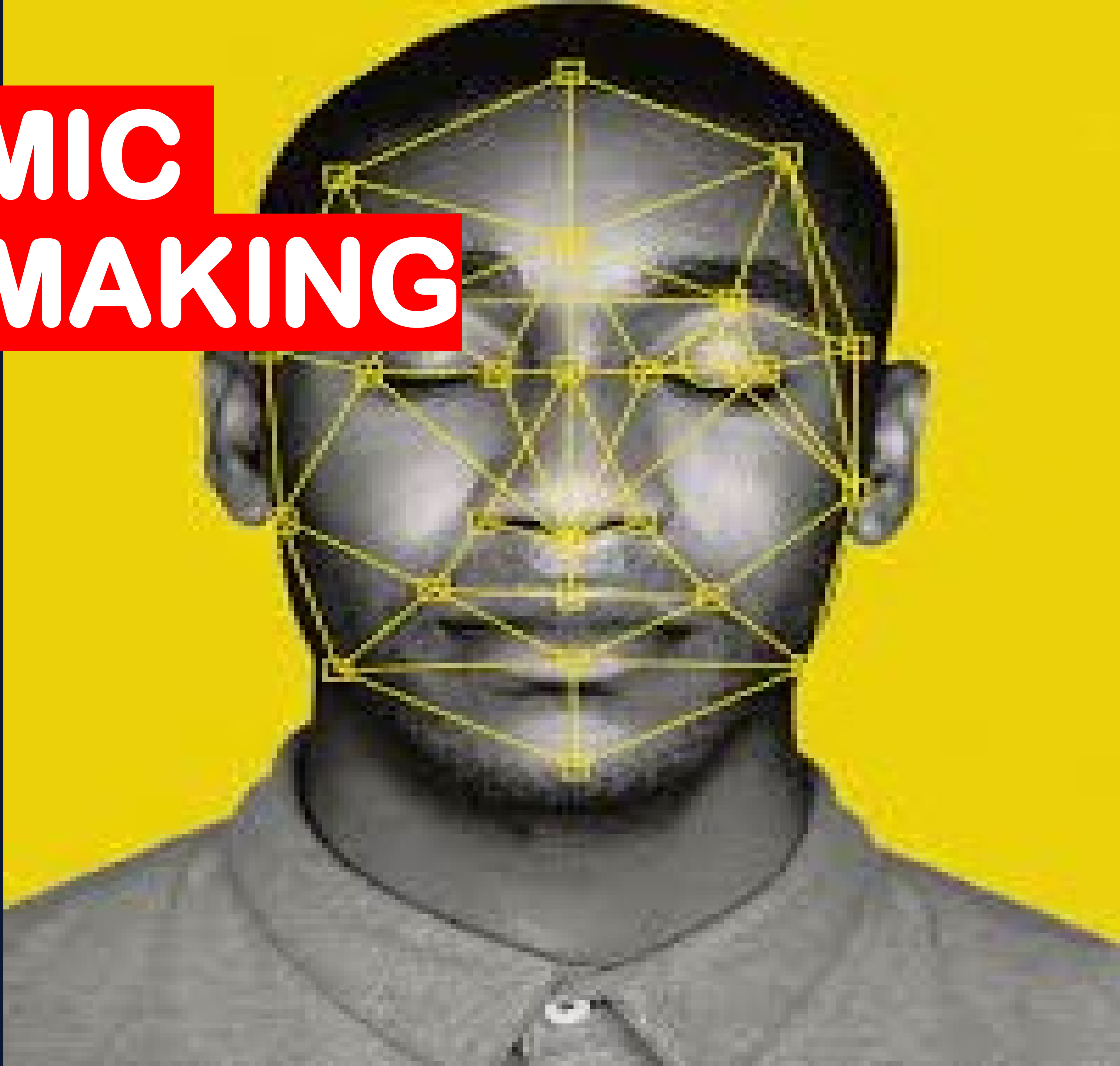
int("please select exactly

- OPERATOR CLASSES ----

types.Operator):
 X mirror to the selected
ject.mirror_mirror_x"
rror X"

ontext):
xt.active_object is not
```

ALGORITHMIC DECISION-MAKING



AGENCY
AUTONOMY
SELF-ACTUALIZATION
SELF-DETERMINATION
SELF-IDENTITY
DEMOCRACY

ALGORITHMIC DECISION-MAKING

UNEVENESS AND INEQUALITIES

RACIAL DISPARITIES
ECONOMIC DISPARITIES
MARGINALIZATION
SYSTEMIC RACISM

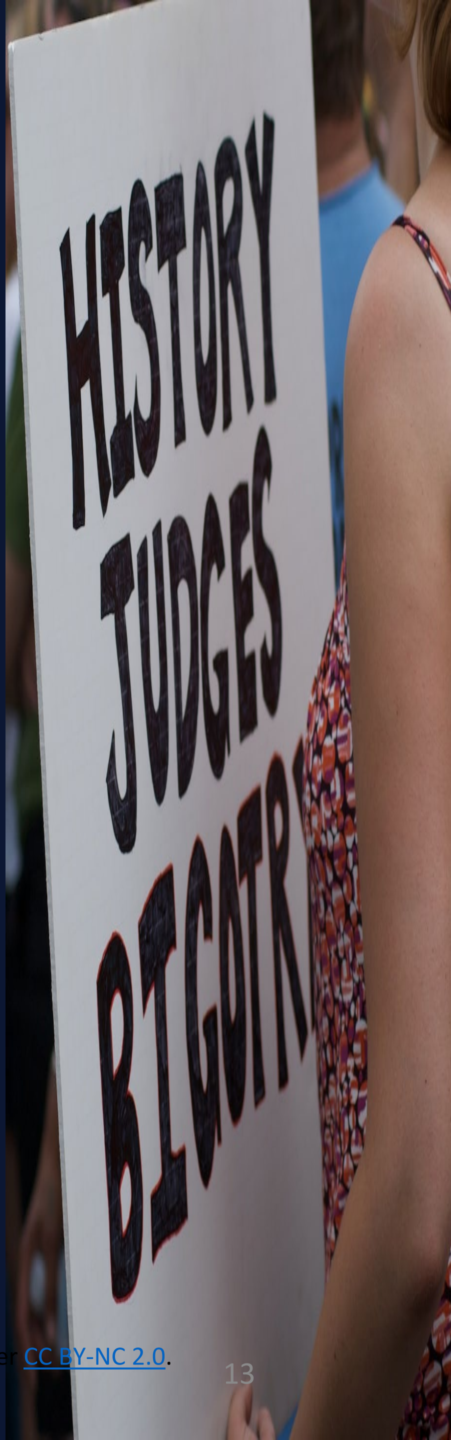
PALE MALE BIAS

UP TO 77.4% SUBJECTS IN A MAINSTREAM DATA SET
ARE MALE

UP TO 94.6% ARE LIGHTER SKIN MALES

HISTORICAL DATA HARMS

AUTOMATE THE STATUS QUO
AMPLIFY DISCRIMINATION
CODIFY BIAS
DEEPLY DESTRUCTIVE
REPEAT PAST PREJUDICES



"History judges bigotry" by Paul Schreiber is licensed under CC BY-NC 2.0.

DATA TRAUMA

DATA TRAUMA IS WHAT HAPPENS TO YOU AND WHAT HAPPENS INSIDE YOU

DIFFERENT COMMUNITIES EXPERIENCE DATA DIFFERENTLY

DATA DON'T HAVE THE LUXURY OF HISTORICAL AMNESIA

Scenes from the Tuskegee Syphilis Study
Credit: Finding your Roots

DATA TRAUMA

PAST DECISIONS TRAPPED IN THE MEMORY OF DATA

RESOLVING SOME BIG SOCIAL QUESTIONS BUT OPENING BIG SOCIAL WOUNDS

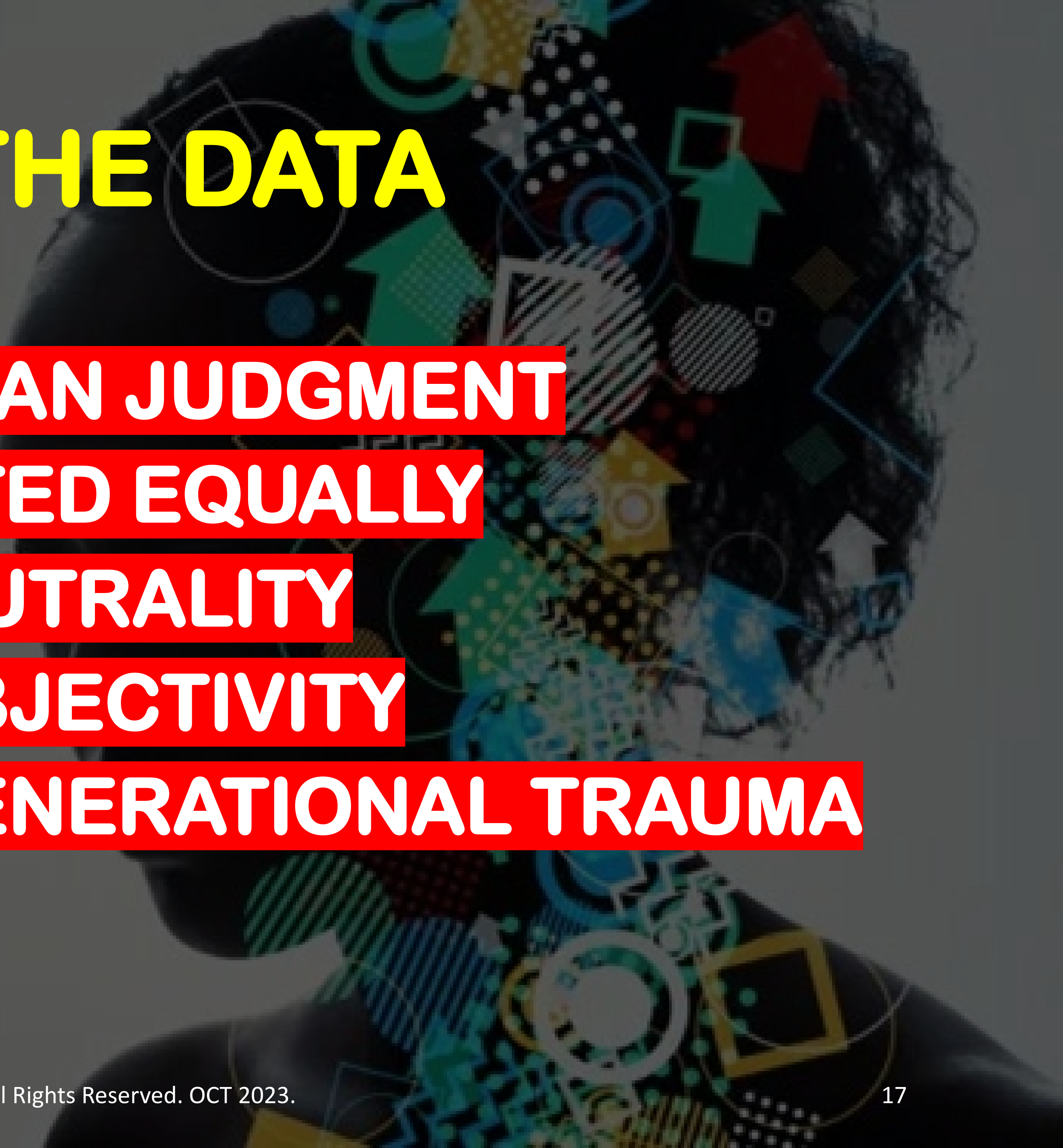
DATA SUFFUSED WITH CULTURAL MEANING INDEPENDENT OF ITS COMPUTATIONAL MEANING

Scenes from the Tuskegee Syphilis Study
Credit: Finding your Roots

INSTITUTIONAL BETRAYAL

- DATA BIAS
- DATA DISCRIMINATION
- DATA MARGINALIZATION
- DATA PROFILING
- DATA VICTIMIZATION

INTERROGATE THE DATA



NEVER FREE OF HUMAN JUDGMENT

ALL DATA NOT CREATED EQUALLY

APPEARANCE OF NEUTRALITY

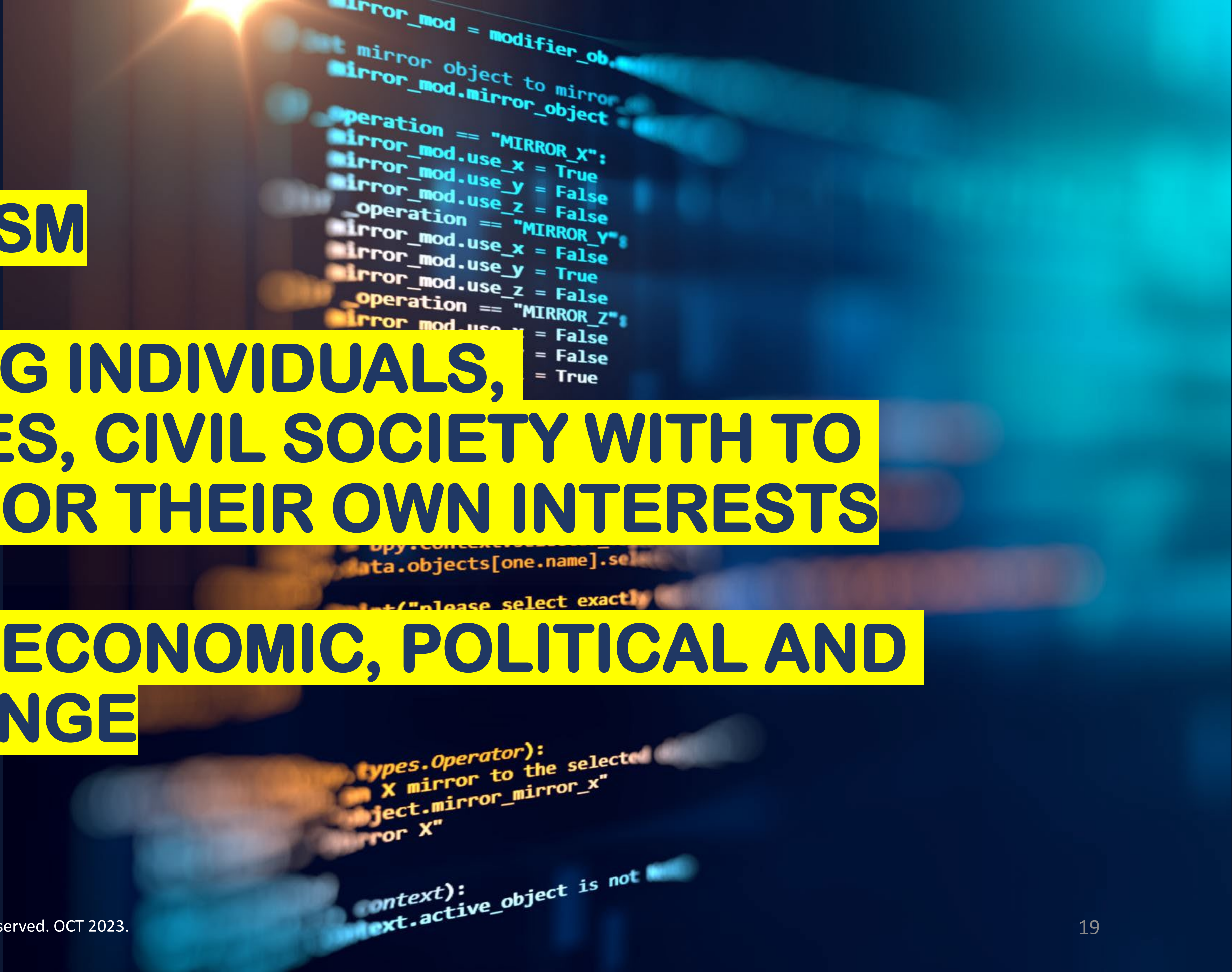
PRESUMPTION OF OBJECTIVITY

MEMORY OF INTERGENERATIONAL TRAUMA

DATA ACTIVISM

USING DATA TO CHALLENGE THE STATUS QUO AND ADVOCATE FOR CHANGE

GREATER EQUITY, ACCOUNTABILITY AND TRANSPARENCY IN DECISION-MAKING



DATA ACTIVISM

EMPOWERING INDIVIDUALS, COMMUNITIES, CIVIL SOCIETY WITH TO ADVOCATE FOR THEIR OWN INTERESTS

ADVANCING ECONOMIC, POLITICAL AND SOCIAL CHANGE

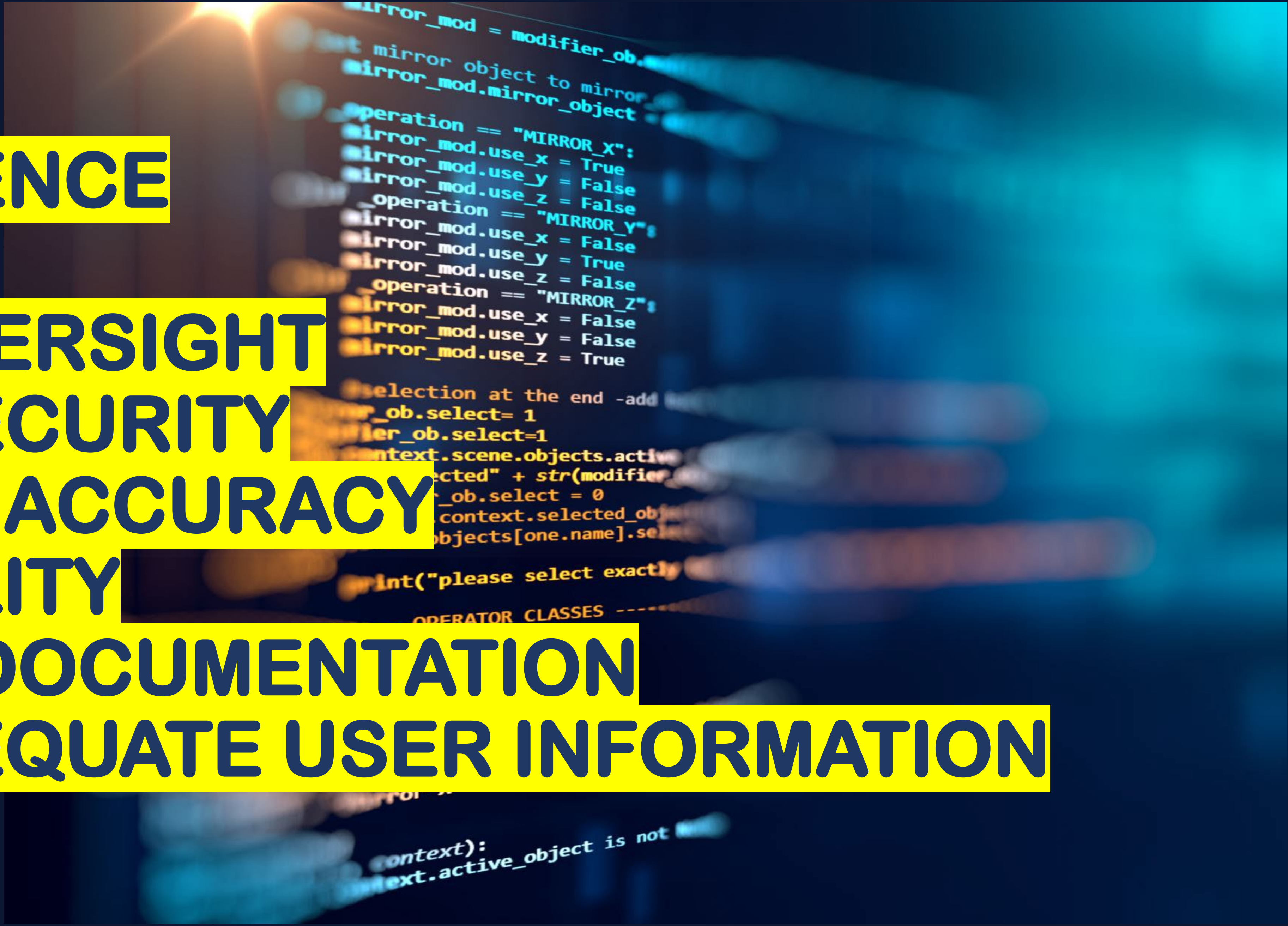
DATA ACTIVISM

RAISE PUBLIC AWARNESS
ENHANCE PUBLIC INFORMATION
IMPROVE PUBLIC EDUCATION

MAKING DATA MORE ACCESSIBLE, UNDERSTANDABLE, USEABLE

DATA ACTIVISM

PROMOTING, JUSTICE, EQUITY, DIVERSITY, INCLUSION, REPRESENTATION, VISIBILITY, VOICE, ACCESSIBILITY



DUE DILIGENCE

HUMAN OVERSIGHT
ROBUST SECURITY
RIGOROUS ACCURACY
TRACEABILITY
DETAILED DOCUMENTATION
CLEAR ADEQUATE USER INFORMATION

DUTY OF CARE

ETHICS
COMPLIANCE
OVERSIGHT
REGULATION
GOVERNANCE
ENFORCEMENT

```
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- OPERATOR CLASSES ----

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DUE PROCESS

DATA RIGHTS
CIVIL RIGHTS
HUMAN RIGHTS
DATA JUSTICE
ALGORITHMIC JUSTICE

RISKS
RIGHTS
RESPONSIBILITIES
REWARDS

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THANK YOU FOR THE PRIVILEGE OF YOUR TIME

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