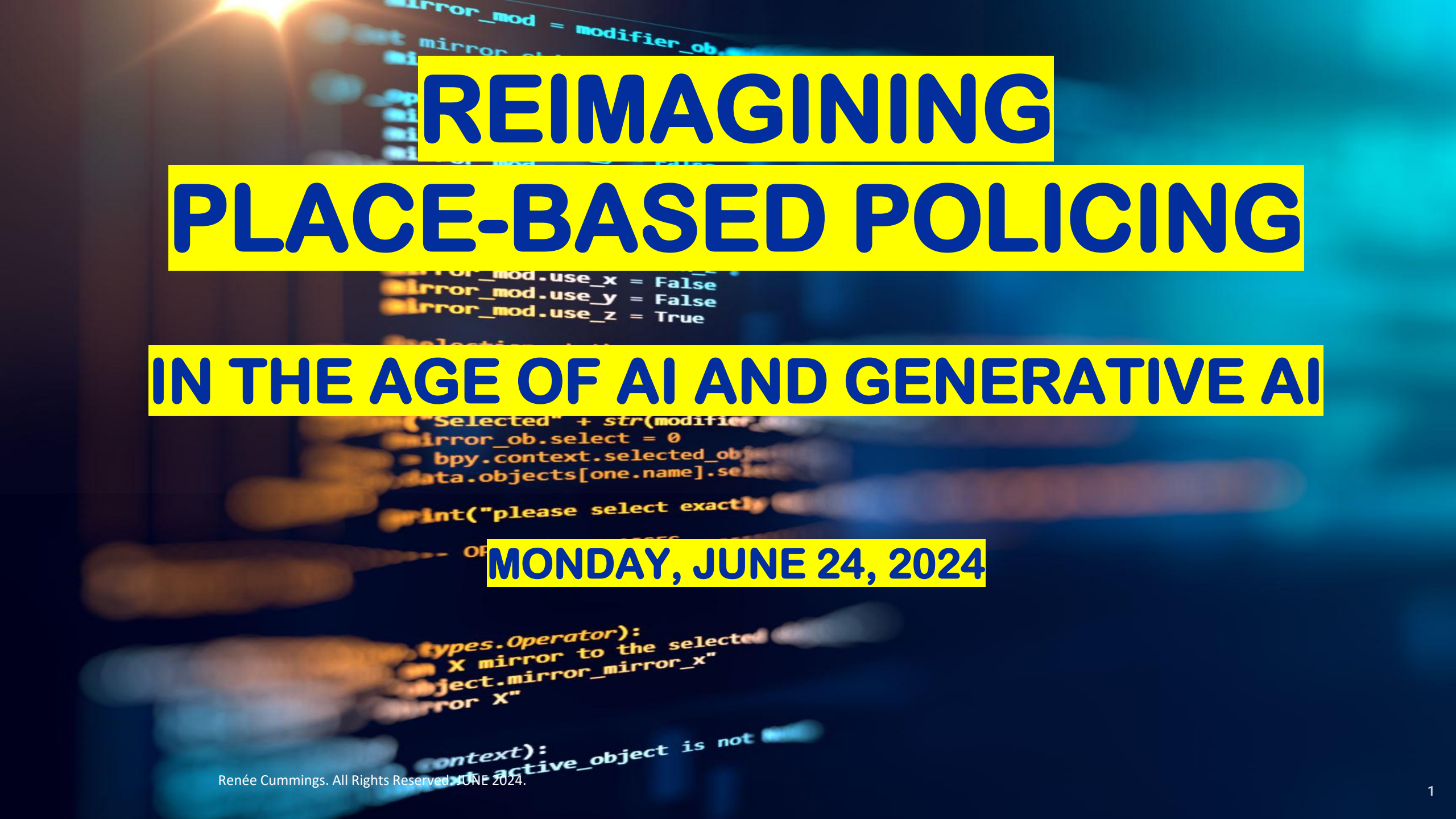

REIMAGINING PLACE-BASED POLICING

IN THE AGE OF AI AND GENERATIVE AI

MONDAY, JUNE 24, 2024

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PLACE-BASED ALGORITHMS CREATE LINKS BETWEEN PLACES| EVENTS| HISTORICAL CRIME RATES

THREE THEORETICAL PERSPECTIVES FOR THE IMPORTANCE OF PLACE IN CRIME PREVENTION:

RATIONAL CHOICE
ROUTINE ACTIVITY THEORY
CRIME PATTERN THEORY

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ENVIRONMENTAL CRIME PREVENTION

1. DEFENSIBLE SPACE
2. SURVEILLANCE
3. TARGET HARDENING
4. NEIGHBORHOOD DESIGN
5. TACTICAL SUPPORT

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THE EVOLUTION OF PROBLEM SOLVING IN POLICING

PROBLEM-ORIENTED POLICING

HOT SPOT POLICING

DATA DRIVEN POLICING

EVIDENCE-BASED POLICING

PREDICTIVE POLICING

INTELLIGENCE-LED POLICING

PRECISION POLICING

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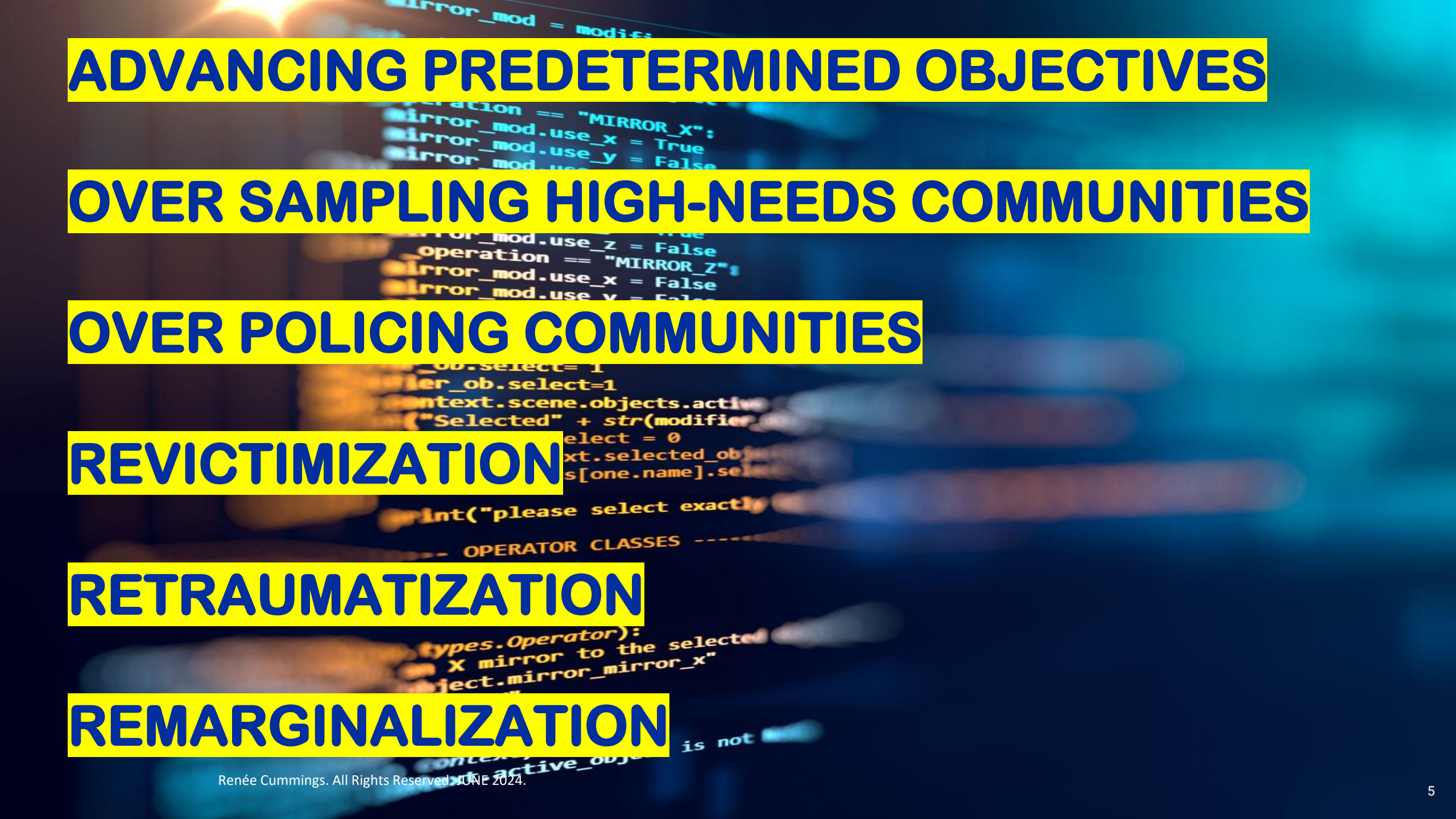

ADVANCING PREDETERMINED OBJECTIVES

OVER SAMPLING HIGH-NEEDS COMMUNITIES

OVER POLICING COMMUNITIES

REVICTIMIZATION

RETRAUMATIZATION

REMARGINALIZATION

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PREDICTIVE POLICING OR REDLINING

CRIMINAL VS. CRIMINOGENIC

HISTORICAL DATA HARMS

AUTOMATE THE STATUS QUO

AMPLIFY DISCRIMINATION

CODIFY BIAS

PERPETUATE SYSTEMIC RACISM

REPEAT PAST PREJUDICES

DEEPLY DESTRUCTIVE

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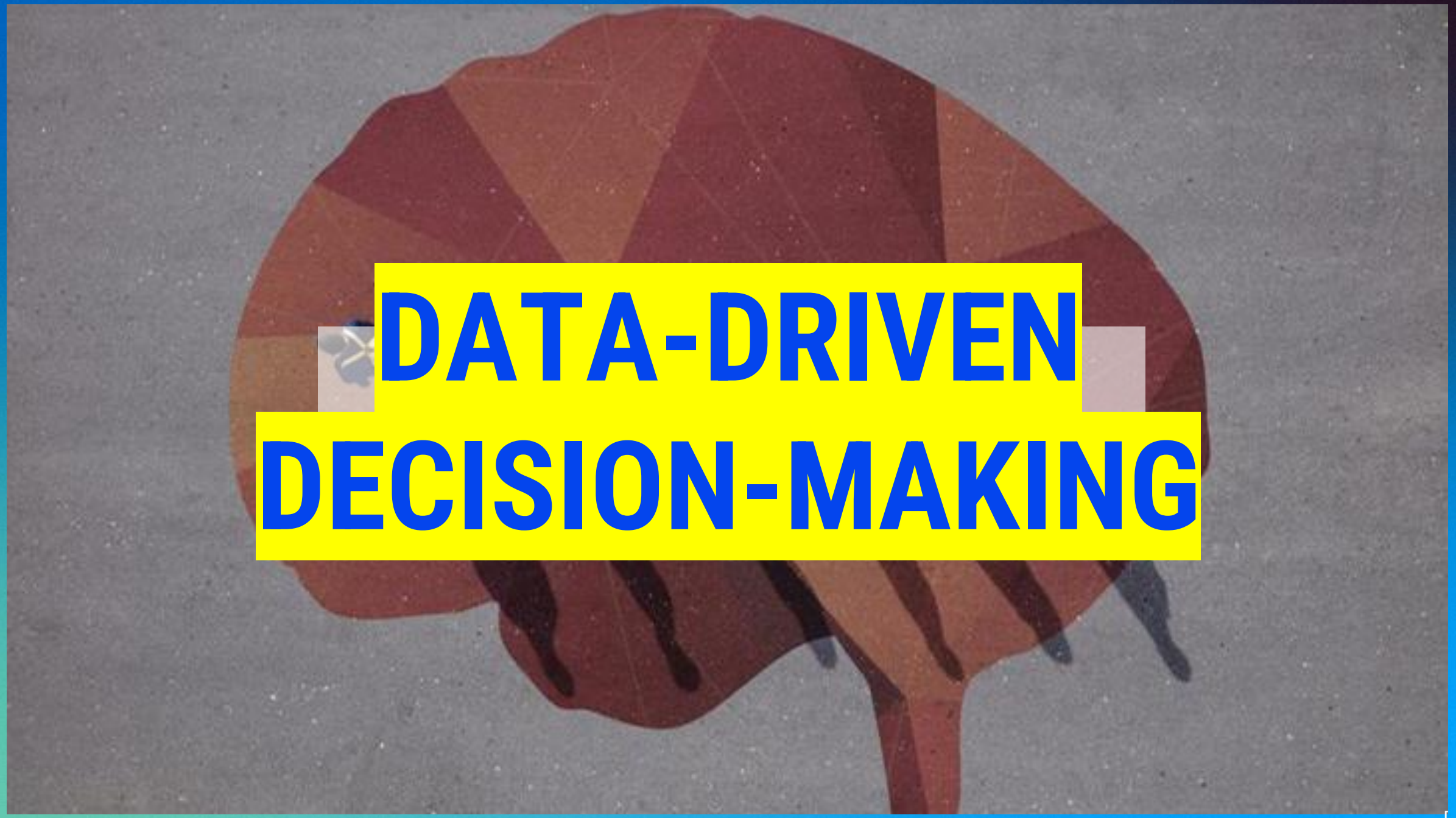
DATA-DRIVEN
DECISION-MAKING

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ALGORITHMIC DECISION-MAKING
DATA-DRIVEN DECISION-MAKING
RISK ASSESSMENT TOOLS

UNEVENNESS AND INEQUALITIES
RACIAL DISPARITIES
ECONOMIC DISPARITIES
SYSTEMIC RACISM
DISPARATE IMPACTS

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DATA GOVERNANCE

BLUEPRINT FOR AN AI BILL OF RIGHTS

OCTOBER 2022

1. THE RIGHT TO SAFE AND EFFECTIVE SYSTEMS

2. PROTECTION FROM ALGORITHMIC DISCRIMINATION

3. THE RIGHT TO DATA PRIVACY

4. NOTIFICATION OF USAGE, EXPLANATION OF IMPLICATIONS

5. ABILITY TO OPT OUT AND CHOOSE HUMAN ALTERNATIVES WHEN APPROPRIATE

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US PRESIDENTIAL EXECUTIVE ORDER OCTOBER 2023

SEIZING THE PROMISE
MANAGING THE RISKS
SAFETY| SECURITY| PRIVACY| TRUST
ADVANCING EQUITY
RIGHTS | COMPENSATION
PROMOTING INNOVATION
ADVANCING AMERICAN LEADERSHIP IN AI

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FEDERAL OMB MEMO MARCH 2024

ESTABLISHES BASELINE PROTECTIONS FOR CIVIL RIGHTS AND SAFETY FEDERAL AGENCIES MUST MEET IN THEIR USE OF AI

BUILDS ON THE 2023 EXECUTIVE ORDER ACCOUNTABLE | TRANSPARENT AI USE PUBLIC'S RIGHT TO KNOW

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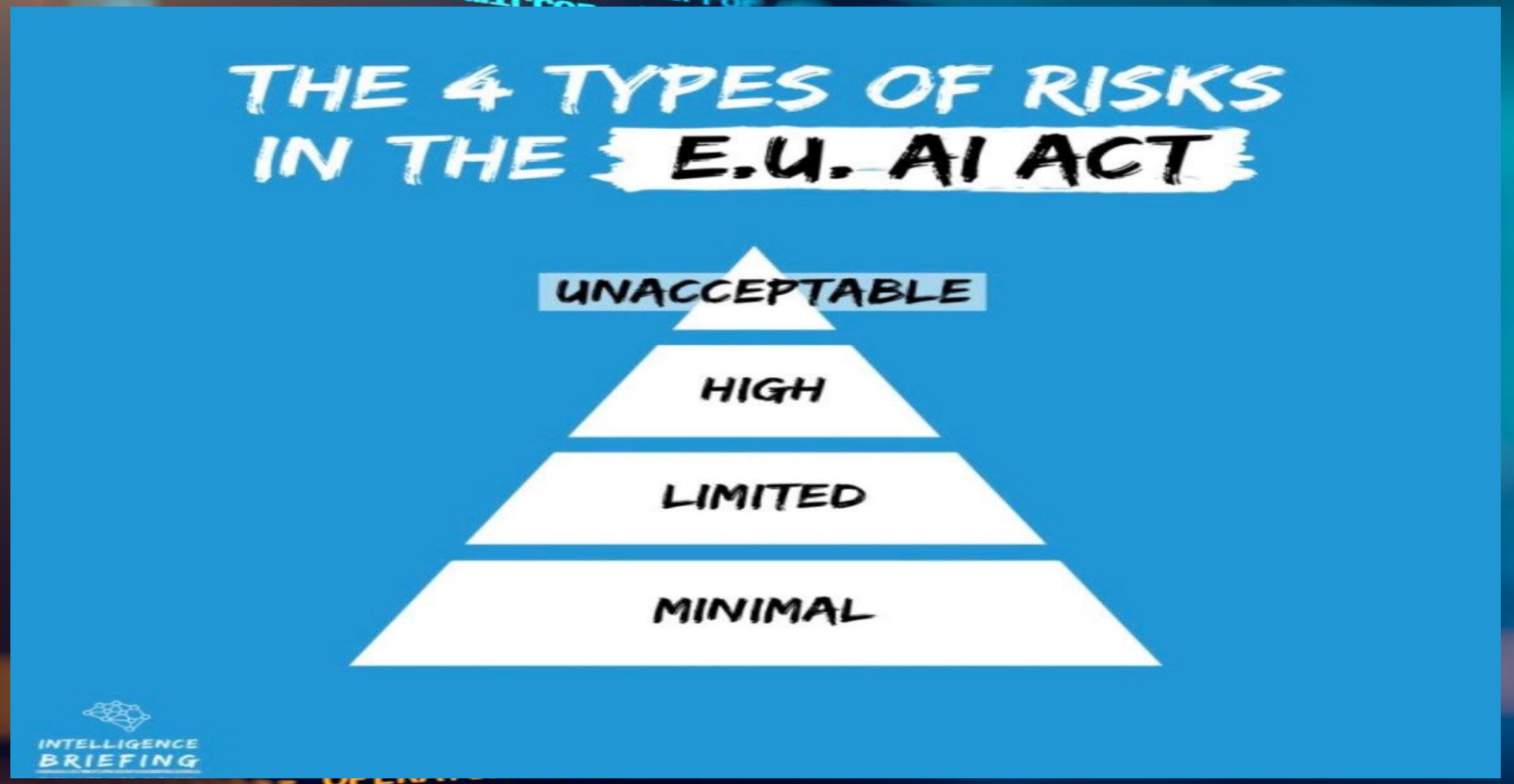

EU AI ACT APRIL 2024

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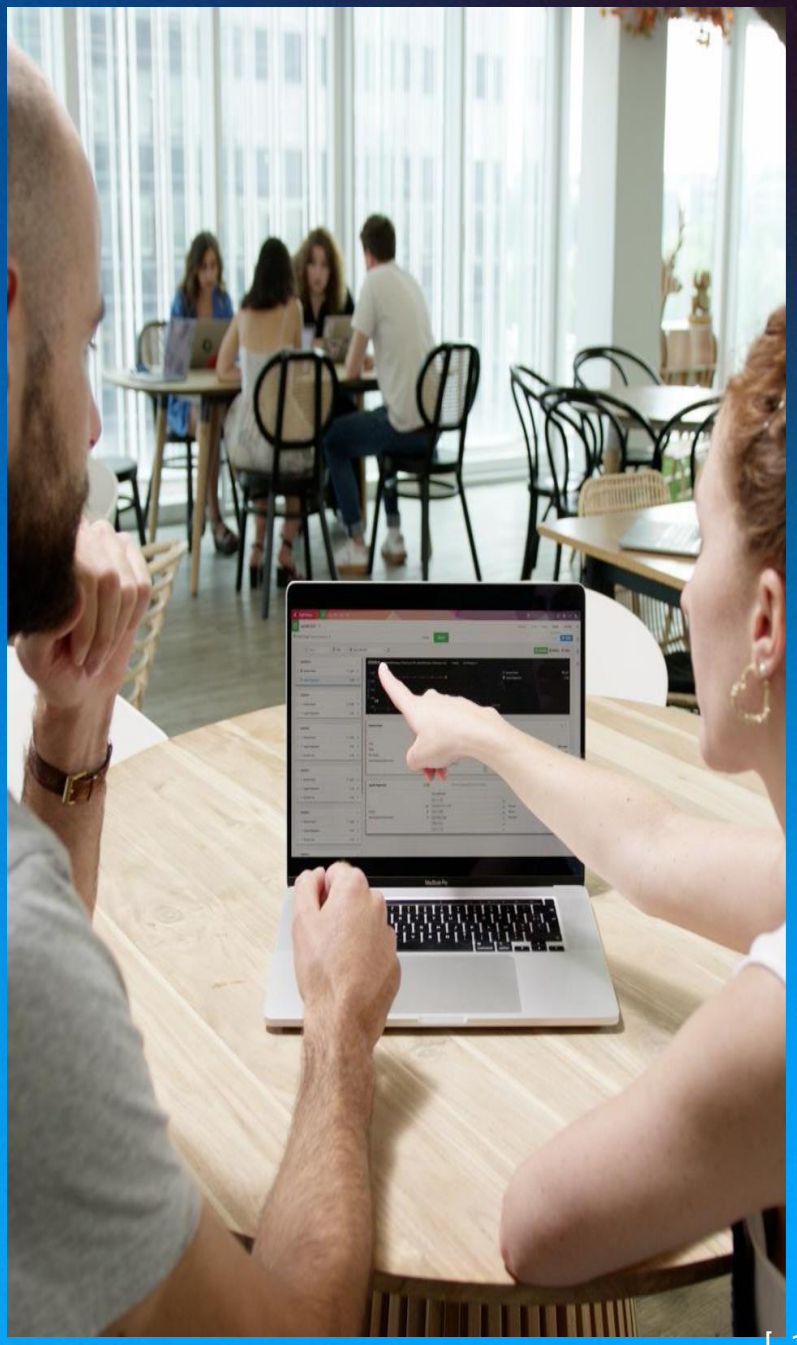
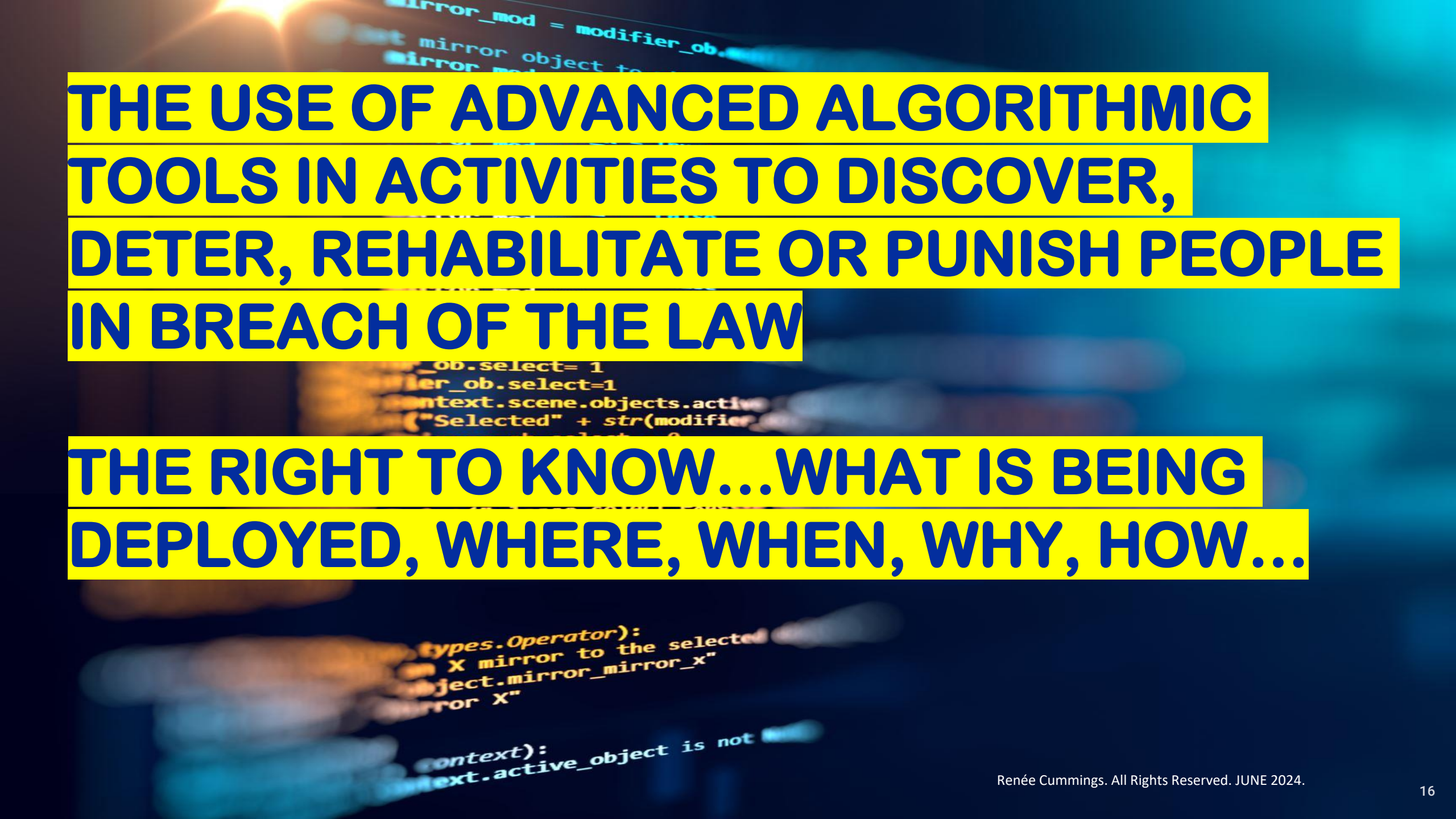
DUTY TO WARN





THE USE OF ADVANCED ALGORITHMIC TOOLS IN ACTIVITIES TO DISCOVER, DETER, REHABILITATE OR PUNISH PEOPLE IN BREACH OF THE LAW

THE RIGHT TO KNOW…WHAT IS BEING DEPLOYED, WHERE, WHEN, WHY, HOW…

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DUTY OF CARE

HOW TECH WILL BE EMPLOYED AND DEPLOYED

LIMITATIONS

PROTECTIONS AND SAFEGUARDS IN PLACE

OVERSIGHT MECHANISMS GOVERNING USE

ETHICAL FRAMEWORKS FOR TRAINING

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CREATING NEW TECHNOLOGY PERPETRATING OLD STEREOTYPES THE ATROCITY OF THE BLACK BOX

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A TROUBLESOME INHERITANCE
THE HIDDEN EFFECTS OF HISTORICAL DATA

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

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ETHICAL CONCERNS
SURVEILLANCE TECHNOLOGY

MISIDENTIFICATION
WRONGFUL ARREST
FREEDOM OF EXPRESSION
FREEDOM OF MOVEMENT
FREEDOM OF ASSEMBLY
THE RIGHT TO BE FORGOTTEN
PRIVACY

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Eight Months Pregnant and Arrested After False Facial Recognition Match

Porcha Woodruff thought the police who showed up at her door to arrest her for carjacking were joking. She is the first woman known to be wrongfully accused as a result of facial recognition technology.

Share full article | 1.5K | Read in app

CNN BUSINESS Live TV

A false facial recognition match sent this innocent Black man to jail

Story & Video by John General and Jon Sarlin, CNN Business

Updated 12:23 PM EDT, Thu April 29, 2021

Paterson, NJ – In February 2019, Nijeer Parks walked into the Woodbridge Police Department to clear his name.

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THE ETHICAL CONCERNS

DISCRIMINATION

MARGINALIZATION

PROFILING

VICTIMIZATION

WEAPONIZATION

INTERGENERATIONAL TRAUMA

INSTITUTIONAL BETRAYAL

HISTORICAL DATASETS

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INTERROGATE THE DATA

NEVER FREE OF HUMAN JUDGMENT

ALL DATA NOT CREATED EQUAL

APPEARANCE OF NEUTRALITY

PRESUMPTION OF OBJECTIVITY

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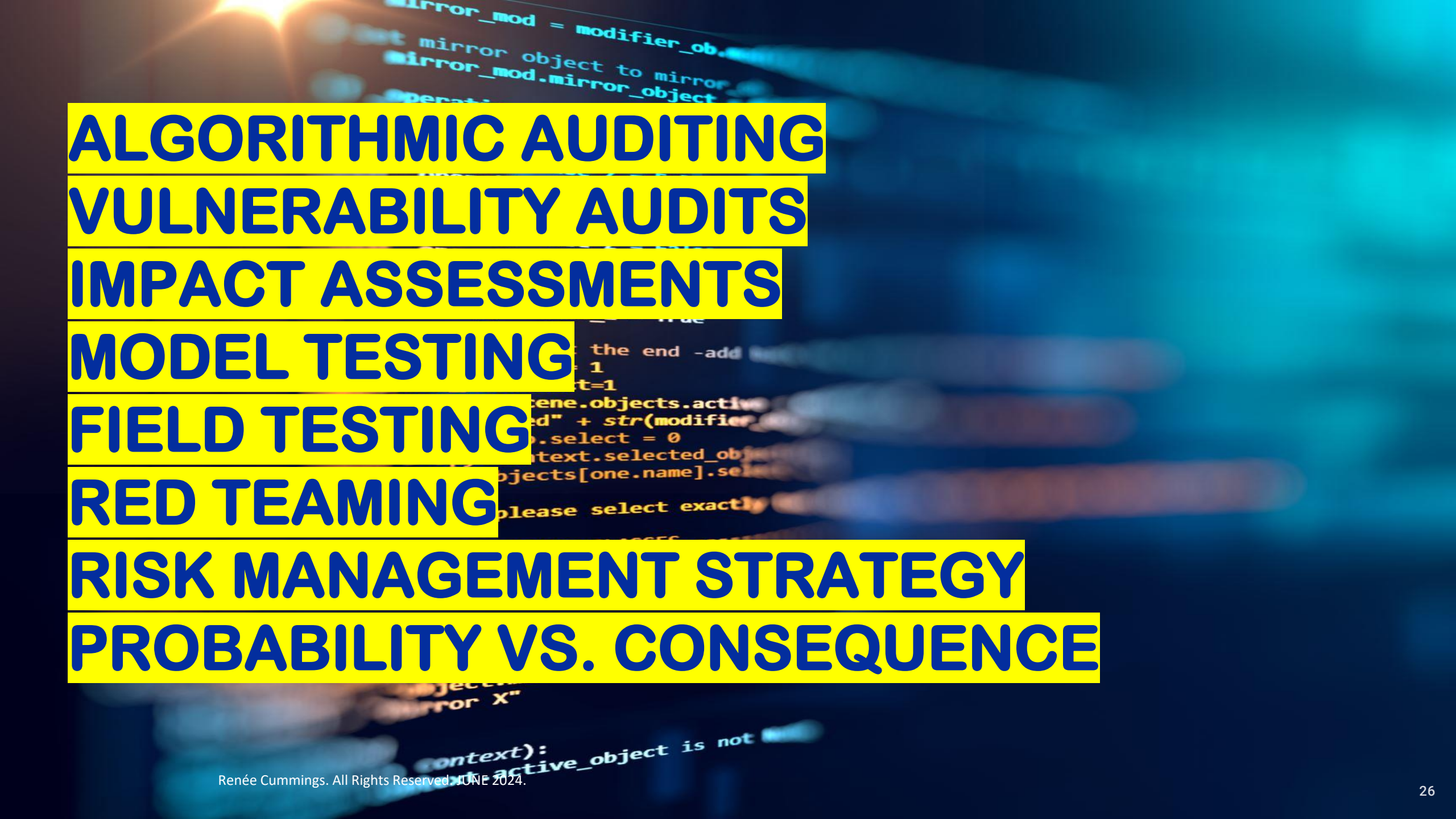

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DUE DILIGENCE

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DUE PROCESS

WHEN YOUR ACCUSER IS AN ALGORITHM

CIVIL LIBERTIES
CIVIL RIGHTS
HUMAN RIGHTS
ALGORITHMIC RIGHTS

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DATA RIGHTS

DATA ACTIVISM

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DATA JUSTICE

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DATA EQUITY

ETHICALLY ALIGNED DATA PIPELINE

COLLECTION

ANALYSIS

STORAGE

PRESENTATION

SHARING

REUSE

DISPOSAL

AFTERLIFE

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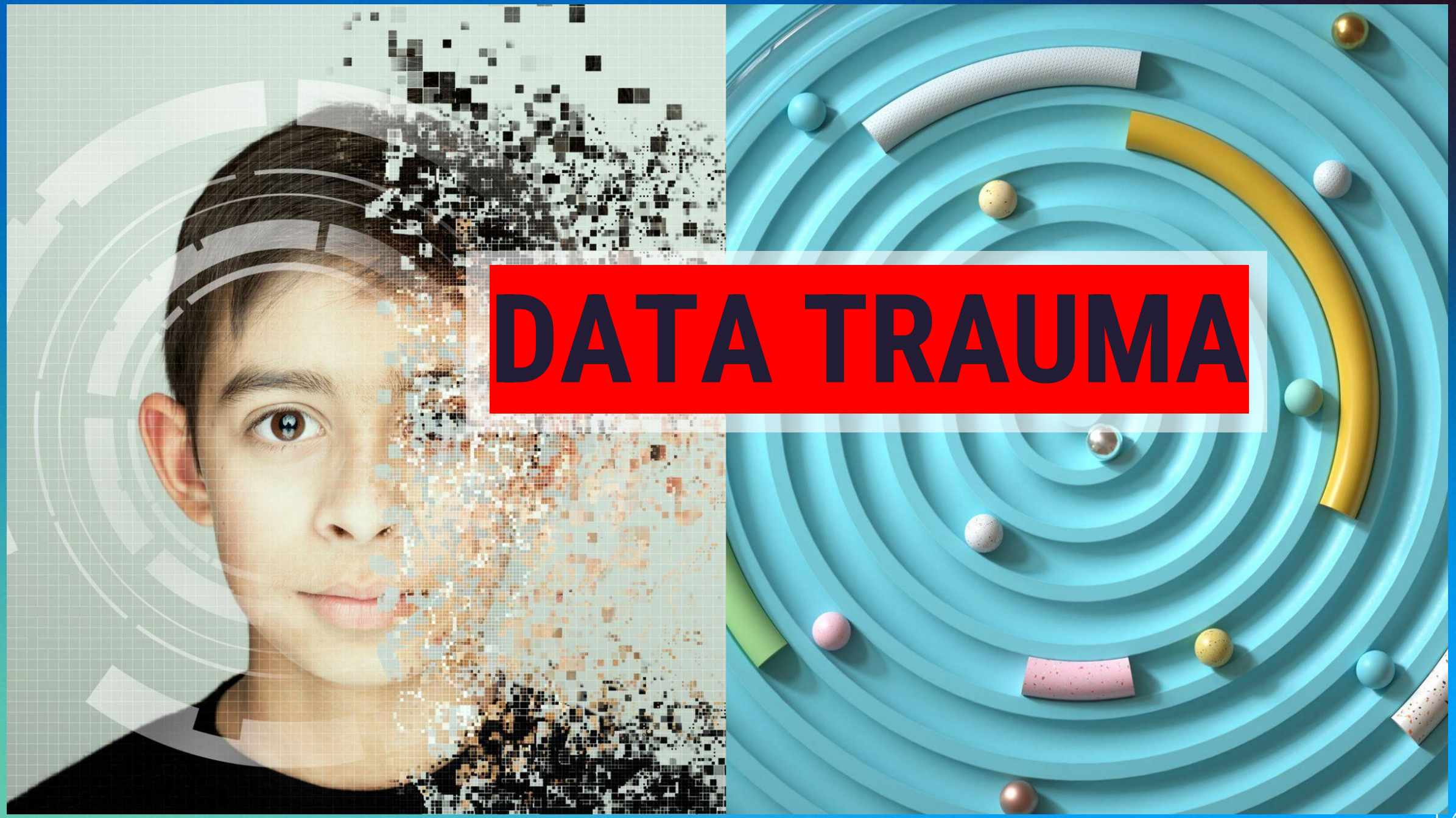
DATA TRAUMA

TRANSMISSION OF INTERGENERATIONAL TRAUMA

MULTIGENERATIONAL DATA DAMAGES

HISTORICAL DATA HARMS

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REIMAGINING PUBLIC PROBLEM SOLVING

COMMUNITY-CENTERED INNOVATIONS IN PUBLIC SAFETY

HOW DO WE ACHIEVE TRANSPARENCY, MEANINGFUL PUBLIC PARTICIPATION AND COMMUNITY COLLABORATION

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PUBLIC INTEREST TECH

INCLUDE NOT EXCLUDE

EMPOWER NOT DISEMPOWER

LIBERATE NOT OPPRESS

ADVANCE PUBLIC INTEREST

GENERATE PUBLIC BENEFIT

REGULATE TO PROTECT

JUSTICE AT THE CORE

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A RADICAL REIMAGINING REQUIRED

REAL TIME REBRANDING

POLICE POLICY

POLICE PRACTICE

PUBLIC SAFETY

QUALITY OF LIFE

TECH| TOOL| “TOYS”

TRACK| TRACE| TRAUMATIZE| TERRORIZE

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DO NO HARM