

Has AI turned a corner in education?

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Disclaimer

Any books, authors or Gen AI, mentioned in this presentation are Richard Gilby's personal thoughts and should not be taken as any endorsement by Cambridge University Press & Assessment

Getting started with AI in the Classroom



The world is changing rapidly

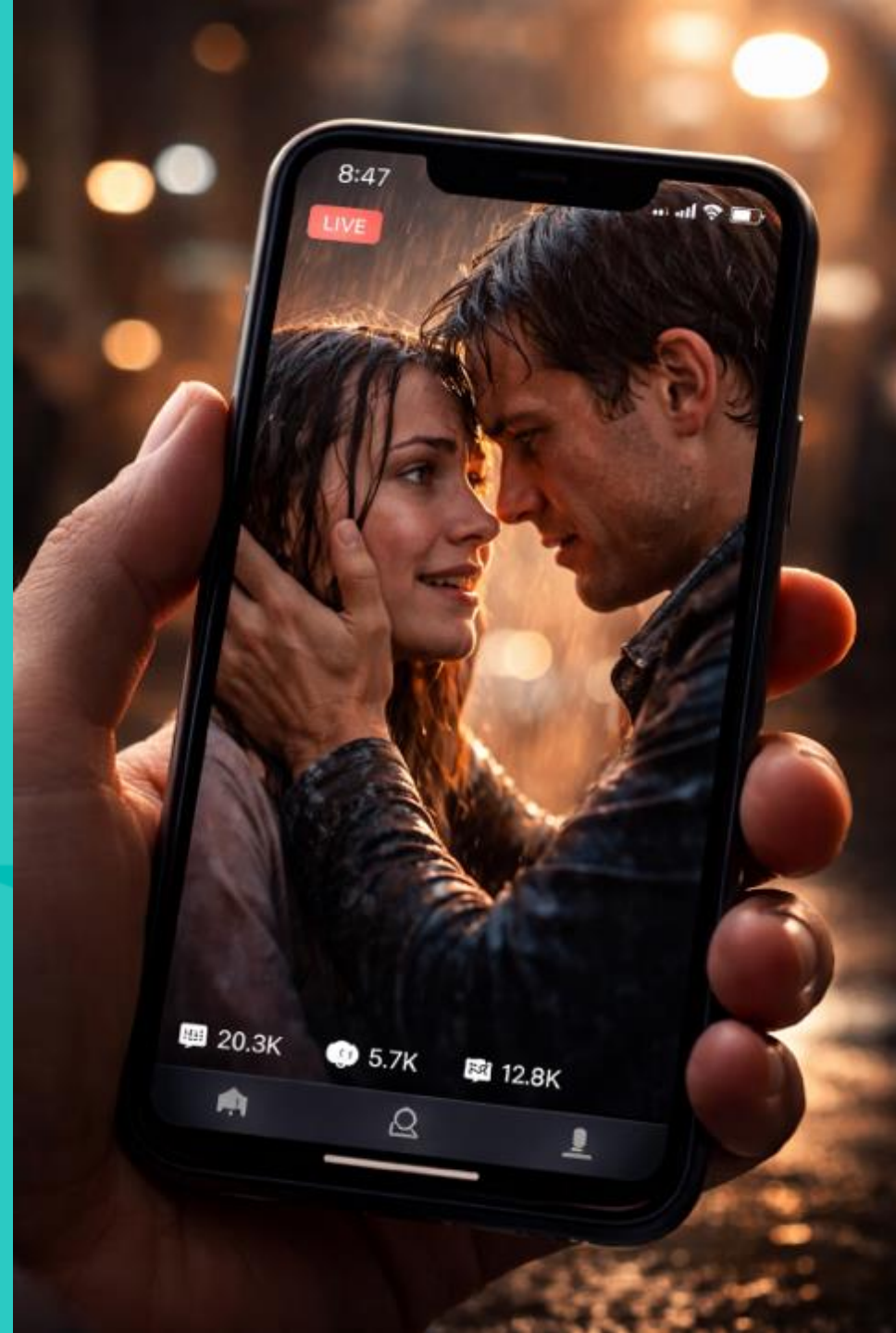
But it always has been

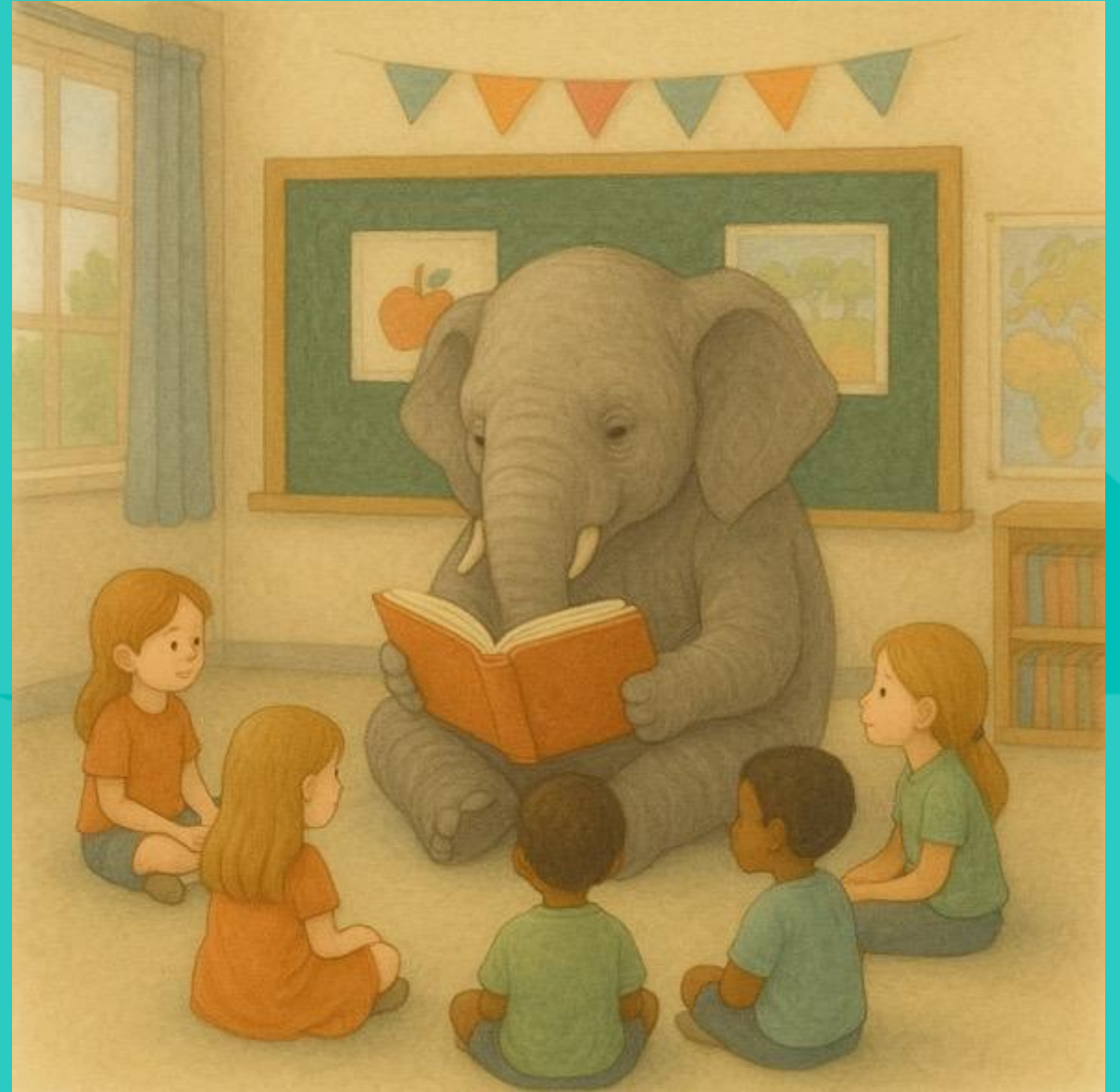


Sesep Bech Bittel
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Please raise your hand if you watch micro-dramas on your phone.

Please raise your hand if you know what micro-dramas are.







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From fancy tricks and shortcuts to useful tools

Please raise your hand if you use
Notebook LM from Google



Questionnaire survey in residential Bogota

1. Gender Male Female Other

2. Age 0-15 16-24 25-40 41-65 65+

3. Location San Cristobal

4. Recycling Plastic Paper Glass Organic Other

I recycle all my old clothes

5. What can you say about recycling in Bogota?

Recycling clothes helps poor people in my community

Sources

+ Add sources

Search the web for new sources
Web Fast research

- Select all sources
- q1.jpg
- q10.jpg
- q2.jpg
- q3.jpg
- q4.jpg
- q5.jpg
- q6.jpg
- q7.jpg
- q8.jpg

Chat



Bogota Residential Recycling Survey: San Cristobal Case Study

10 sources

These sources consist of ten completed **questionnaire surveys** regarding the habits and perceptions of **recycling in residential Bogota**. The documents record demographic data such as **gender, age, and location**, specifically featuring residents from **San Cristobal, Tunjuelito, and Puente Aranda**. Participants identified the materials they typically process, including **plastic, paper, glass, and organic waste**, while some noted they do not participate at all. Qualitative feedback reveals a **range of attitudes**, with many viewing the practice as **essential for environmental protection** or community support through garment reuse. Conversely, some respondents expressed frustration, citing a **lack of time, insufficient collection points**, or the belief that the current system is an **inefficient use of effort**. Overall, the collection provides a snapshot of how **urban citizens** engage with and evaluate **waste management initiatives** in their local area.

Save to note [Share] [Like] [Comment]

Start typing... 10 sources [Send]

Studio

- Audio Overview
- Slide deck
- Video Overview
- Mind Map
- Reports
- Flashcards
- Quiz
- Infographic
- Data table

- Bogota Residential Recycling Surve...
10 sources · 22h ago
- Residential Recycling Survey...
10 sources · 22h ago

Add note

Participants hold a variety of views regarding recycling in Bogota, ranging from strong environmental commitment to practical concerns about the system and personal time constraints. Their opinions can be grouped into the following themes:

Environmental and Moral Importance

Several participants emphasize the global and local benefits of recycling. They believe it is **essential for "helping the planet"** ¹ ... and keeping the city of **Bogota clean** ³ . Because of its importance, some respondents feel it is a collective duty, stating that **"everybody should be recycling"** ² ⁴ to **"set a good example for our children"** ⁴ .

The Recycling System in Bogota

Opinions on the city's infrastructure are mixed:

- **Organization:** Some feel the system is **"well organised,"** but argue that it lacks sufficient participation, noting that **"we are not doing enough"** ⁵ and that **"more people"** need to get involved ⁶ .
- **Infrastructure Issues:** In contrast, one participant points out a specific logistical barrier, stating **"there are not enough collection points"** to facilitate the process ⁷ .

Recycling in Residential Bogota: Resident Insights

A Summary of Habits, Materials, and Public Sentiment from Survey Data in San Cristobal, Tunjelito, and Puente Aranda

RECYCLING HABITS & PARTICIPATION

80%

RESIDENT PARTICIPATION RATE

Eight out of ten surveyed residents actively participate in local recycling efforts.



MOST RECYCLED MATERIALS

70%

PLASTIC: Most Recycled



50%

GLASS: Second Most Recycled



PAPER / ORGANIC

} 2 RESIDENTS EACH



SAN CRISTOBAL LEADS ENGAGEMENT

This district represented 60% of the total survey respondents.

RESIDENT SENTIMENT & BARRIERS



“RECYCLING HELPS THE PLANET”

Environmental protection and setting examples for children are primary drivers.



MAJOR BARRIERS: INFRASTRUCTURE & TIME

Residents cited a lack of collection points and time constraints as reasons for not recycling.



SYSTEM VIEWED AS WELL-ORGANISED

Multiple respondents noted the system is well-run but requires higher public engagement.

Mismanaged plastic waste per capita, 2019

Our World
in Data

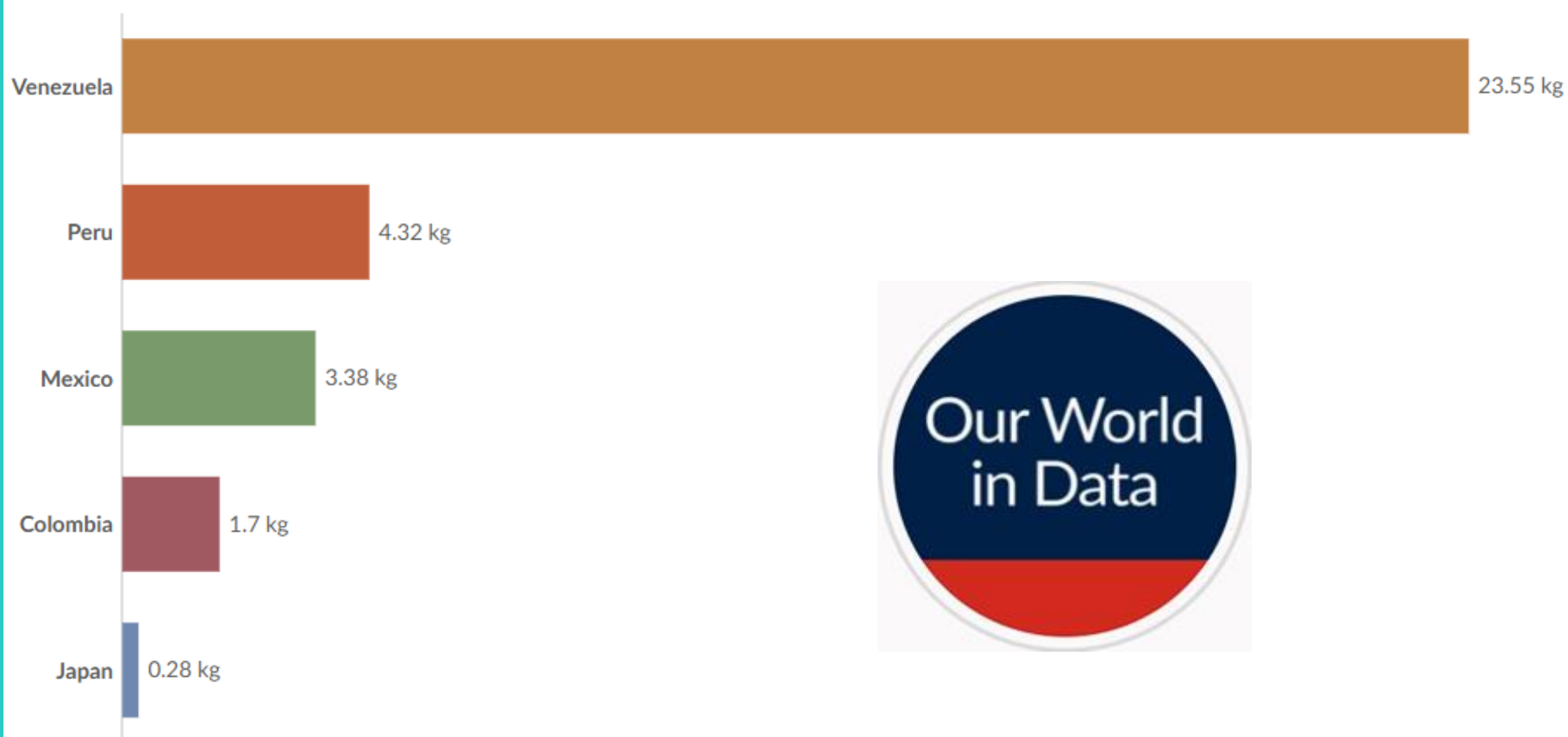
Mismanaged plastic waste is waste that is not recycled, incinerated, or kept in sealed landfills. It includes materials burned in open pits, dumped into seas or open waters, or disposed of in unsanitary landfills and dumpsites.

Table

Map

Chart

Edit countries and regions



Data source: Meijer et al. (2021). - [Learn more about this data](#)
OurWorldinData.org/plastic-pollution | CC BY

Download

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Measuring the real world

Vegetation transects and quadrat sampling



What you've got overall

A classic combination:

- **Crabgrass** → upright, grassy invader
- **Spurge** → low, carpet-forming broadleaf weed

They often appear together because:

- Both thrive in **thin or stressed lawn areas**
- Both spread quickly across **bare soil patches**





Good question—and we can make a **reasonably accurate visual estimate** from the image.

What I'm seeing

- The **spurge** (small, dense, dark green oval leaves) forms a **continuous mat** across most of the frame
- The **crabgrass** (long, lighter green blades) appears in **distinct clumps** scattered throughout

Estimated coverage

- Spurge: ~65–75%
- Crabgrass: ~25–35%

How I'm judging it

- Spurge fills most of the **background layer**, especially bottom and right areas
- Crabgrass is more **patchy and upright**, mainly concentrated in the central and upper zones
- Even where crabgrass is present, spurge is often still underneath it

Early years bug hunt

Use audio inputs or audio to text to request identification of species.

Text to audio to respond to the students





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Some reading

The AI School Handbook

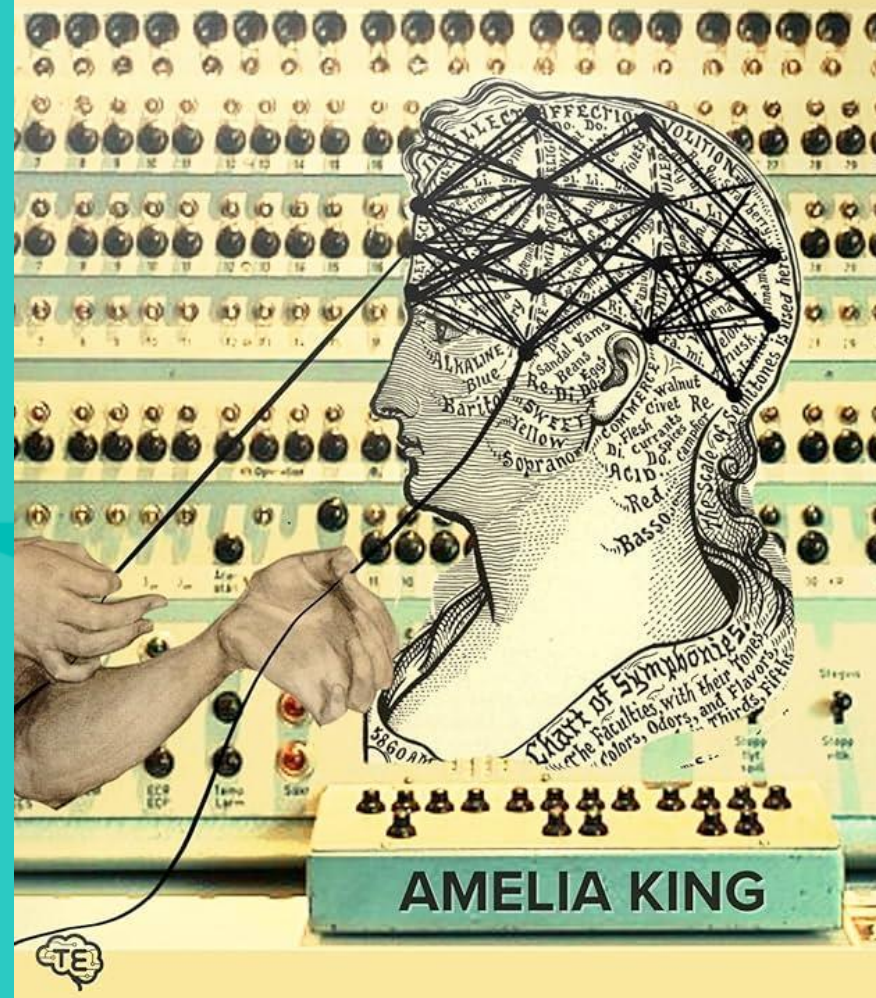


The definitive (for now) guide to AI in K12 schools - Volume I

Gabriel Rshaid

"A must-read for teachers, leaders, and anyone keen to get past the hype and focus on what really matters."
Al Kingsley MBE, author 'The Awkward Questions in Education', 'My Secret EdTech Diary'

THINKING with AI



Getting started with AI in the Classroom



Can we trust Gen AI to always tell us the truth?

Of course we can!

Here is a short video of me exploring Bogota yesterday.





Thank you!

Any questions?

A teal shield-shaped graphic with a white center, containing the text "Ready for the world". The shield is set against a background of teal and dark teal curved shapes.

**Ready
for the
world**

Thinking in Systems

A Primer

Donella H. Meadows

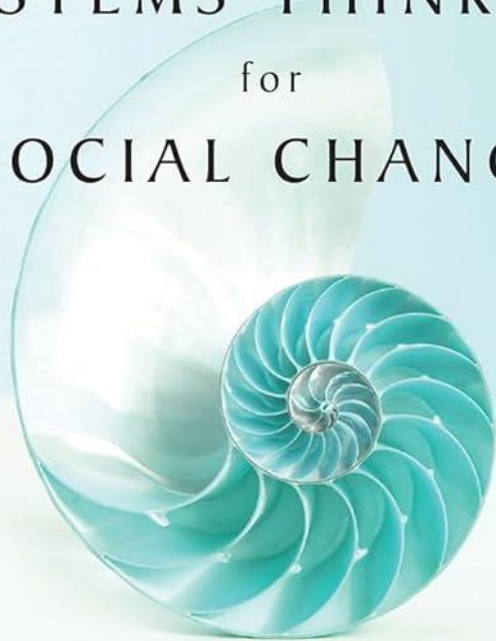
*Edited by Diana Wright,
Sustainability Institute*



**Personal
recommendation**

"An elegant and cogent guide to what works."
—PETER SENGE, author of *The Fifth Discipline*

SYSTEMS THINKING
for
SOCIAL CHANGE



A Practical Guide to Solving Complex Problems,
Avoiding Unintended Consequences,
and Achieving Lasting Results

DAVID PETER STROH

Personal
recommendation

Systems Thinking
in the
Public Sector

the failure of the reform regime...
and a manifesto for a better way

John Seddon

Personal recommendation

"IF YOU BUY ONLY ONE BOOK ON CLIMATE CHANGE...
THIS SHOULD BE THE BOOK." —*NATIONAL REVIEW*

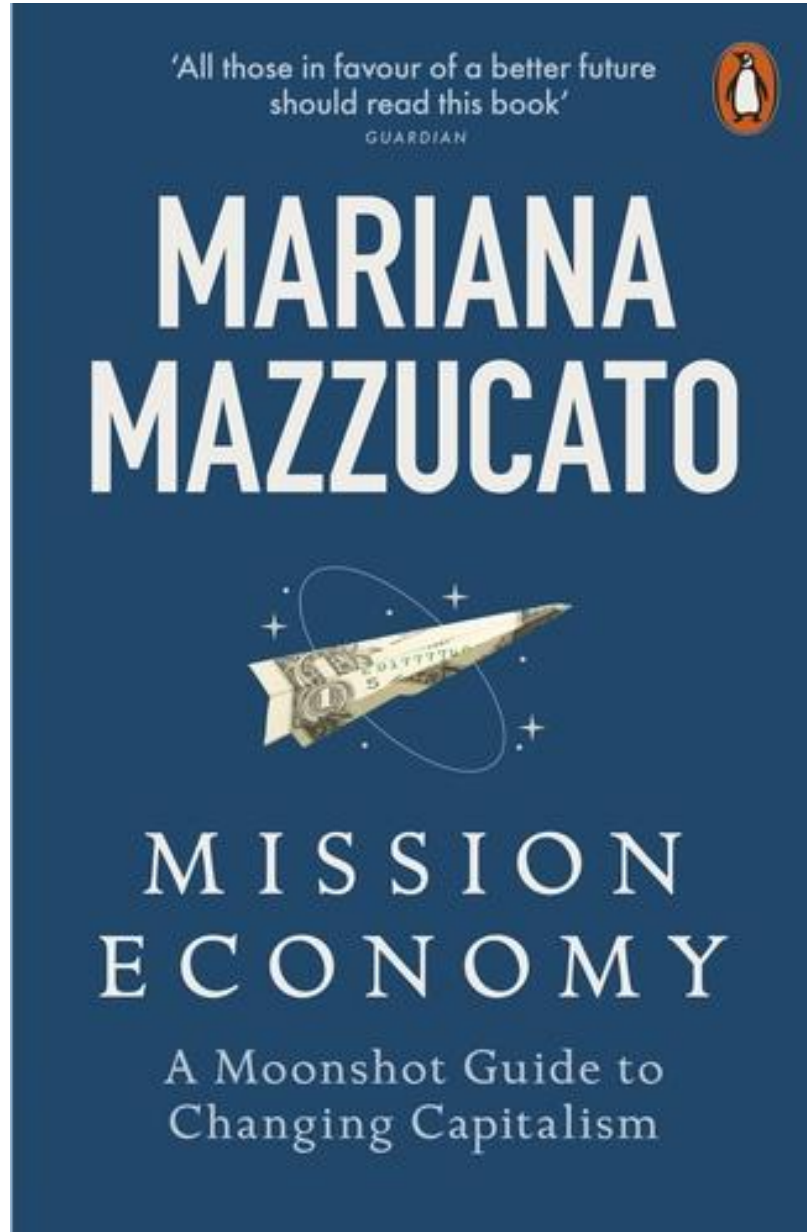
FALSE ALARM

HOW CLIMATE CHANGE
PANIC COSTS US TRILLIONS,
HURTS THE POOR, AND
FAILS TO FIX THE PLANET

BJORN LOMBORG

UPDATED EDITION

Personal
recommendation



**Personal
recommendation**