

Don't be a number



be a member

Wowos Book Club

Facilitated by Zibuse L Kunene

Presented by Dr Jabu Mtsweni



Don't be a number

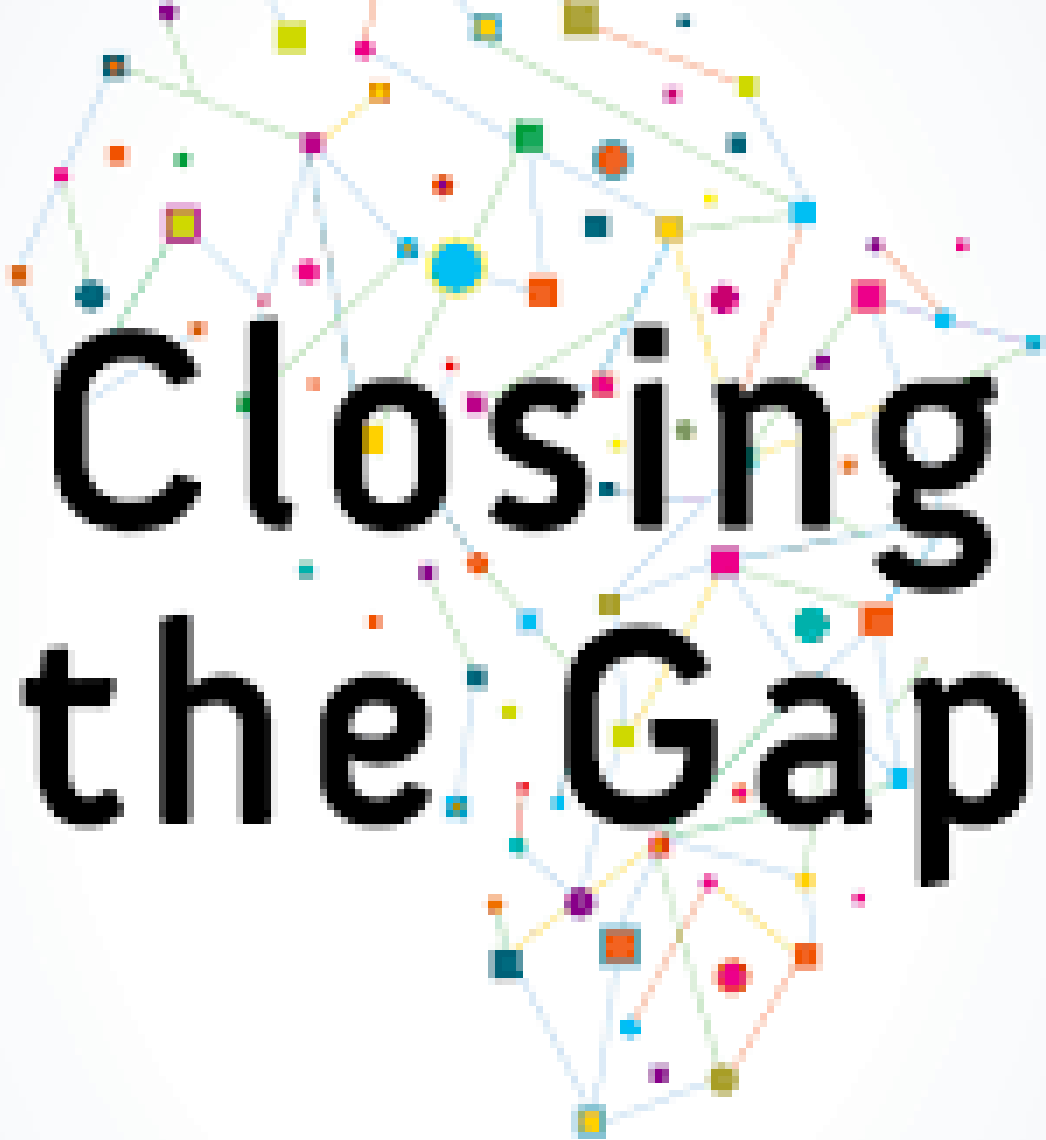


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About tonight's session



Jabu has agreed to share his insights on the book by Professor Tshilidzi Marwala titled CLOSING THE GAP – The Fourth Industrial Revolution in Africa



Agenda

Opening & Welcome by Zibuse

We welcome all the bookworms who have joined us tonight for the 2023 Wowos Book Club Cohort discussion presented by Jabu Mtsweni

Introduction of the Speaker

Dr Jabu Mtsweni is a Reader of Everything + Slow Author + Certified Information & Cybersecurity Leader + Researcher + Data Fanatic + Misinformation Debunker + Teacher + Mentor + Speaker + Runner + Husband & Father with 20 yrs of experience in the ICT sector with over 75+ publications

Insights from the book by Dr JS Mtsweni

Jabu to share his insights in an informal structured manner

Engagements

Comments and questions are invited

Closure by Zibuse

The Fourth Industrial Revolution in Africa

Tshilidzi Marwala



“Those who do not read
or write must not lead,
lest they are going to
lead us into temptation
and deliver us to
poverty”

—

Tshilidzi Marwala

What is the book about?

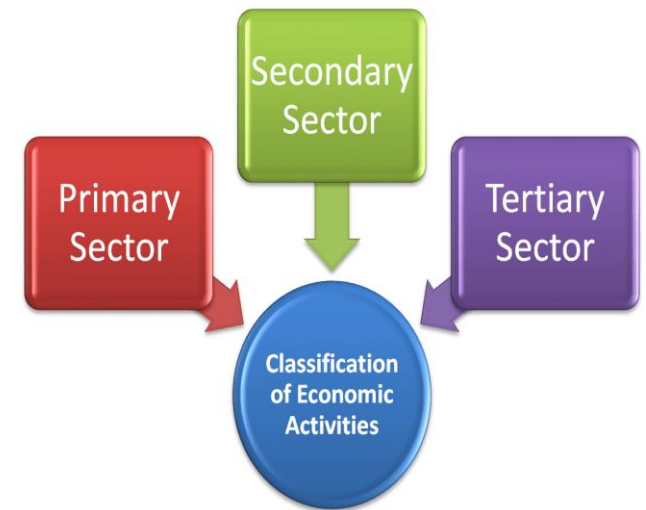
None Technical



But 4IR



In Everything



The Fourth Industrial Revolution in Africa
Tshilidzi Marwala
Vice-chancellor and principal of the University
of Johannesburg; Deputy Chair of the South African Presidential
Commission on 4IR

2023

Closing
the Gap

What is the book about?

Closing
the Gap

Closing
the Gap

The Fourth Industrial Revolution
Tshilidzi Marwala



“ While many have argued that the 4IR is an abstract concept, it is apparent that it is not an era that is in the future, but rather our current reality, pervading our daily lives” -

Tshilidzi Marwala

Review of the Book

Size

It is a 233 pages non-fiction book. And took me about 3 weeks or so to read

Style

Simple English. Nicely structured into four parts. Chapters have an average of ± 10 pages

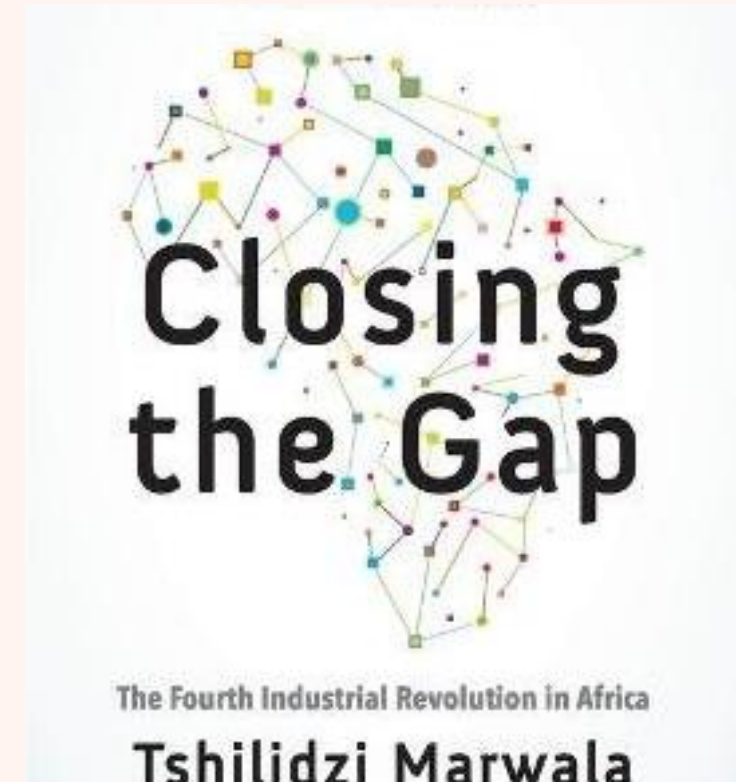
Audience

The book can be a good read for academics, researchers, business practitioners, leaders, technologists, educators, politicians, and many others

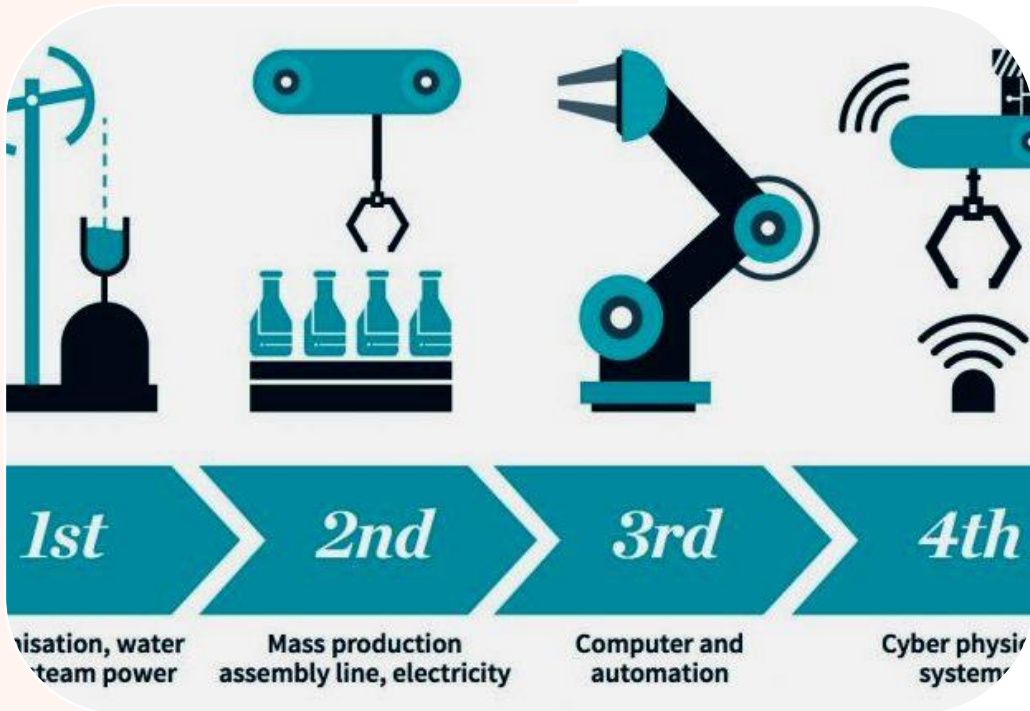
Topics

The book deals with four areas in the context of 4IR

1. Industry
2. Data
3. Business
4. Society



IR Gap



Cyber + physical + biological + tech

- South Africa & Africa has always been behind in industrial revolutions (1IR)
- The impact of segregation, cheap labor and apartheid in creating the gap (2IR)
- 70 years later, Africa still does not have an industry that can produce a home-grown computer (3IR)
- Concerns about job losses (over 6m in RSA by 2025) due to 4IR adoption
- AI is one key element that will drive 4IR in Africa
- But Africa is already falling behind in 4IR.
- South Africa playing a challenging game to catch-up

4IR in Data

Data is the new oil!

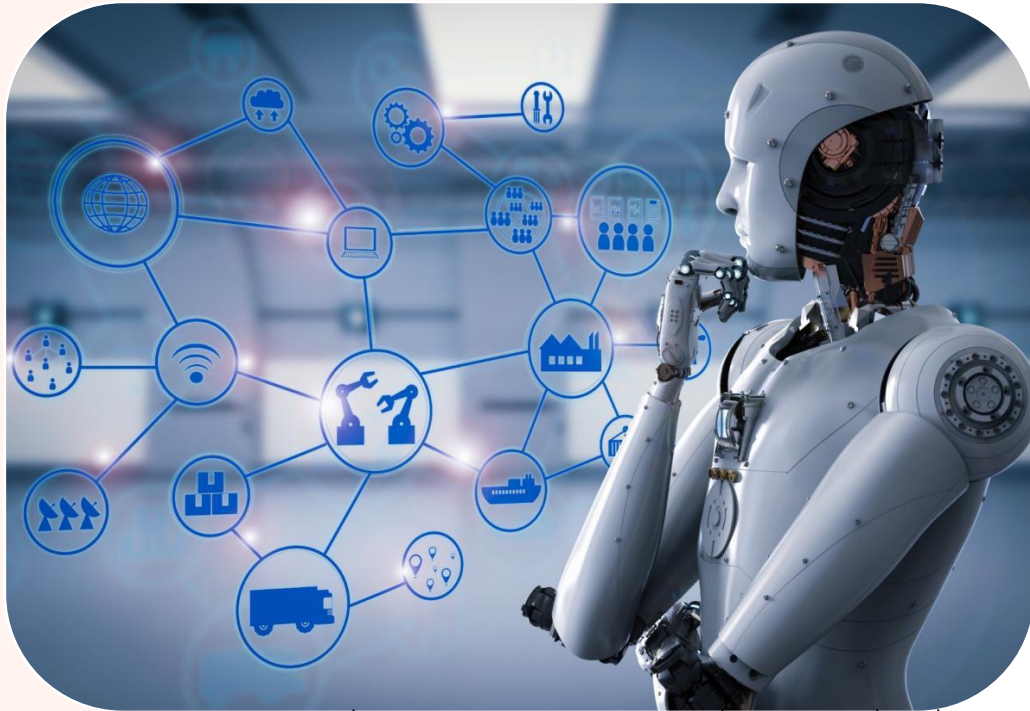


Data privacy – heritage – security- social media & 5G

- Data is the new currency
- Africa not collecting or keeping its data
- We are not having data on our history
- Data privacy is becoming an issue in 4IR
- The urban legend of African people exchanging their land using mirrors
- Digital heritage – parliament fire & UCT fire

4IR in Business

- 4IR in the financial sector a [+] for Africa
- 4IR may accelerate socio-economic development through right leadership
- 4IR may reduce banking operating costs by 22% - look at Bank Zero
- 4IR Robots and Taxation (Tax Collection)
- 4IR in detecting fraud and irregular activities (e.g., Steinhoff)
- Africa needs to prepare the workforce



Economics– Banking – Taxation – Trade & Leadership



“ 4IR leadership requires innovation, learning analytics, agility, a global mindset, cultural tolerance, diversity and ability to manage conflict. And we should train leaders that understand politics, economics and technology” –

Tshilidzi Marwala

4IR in Society

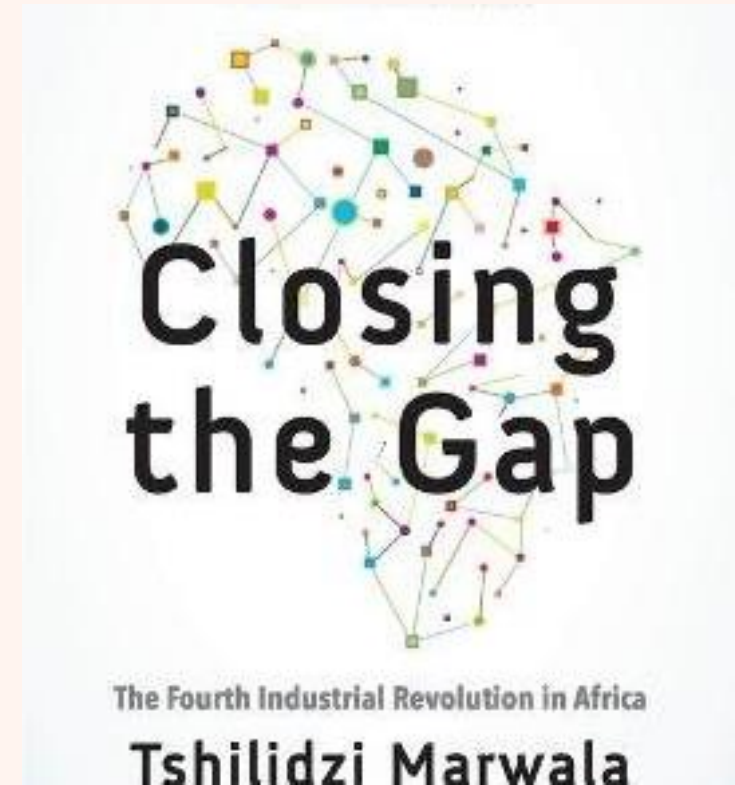
- 4IR comes with social change
- 4IR and “Bantu” Languages
- Gap in technologies by the west on our languages (e.g., Google Translate)
- 4IR (AI) bias against African languages
- AI Ethics and Values– social impact of 4IR
- 4IR and Democracy
- 4IR and Movies (predict next big thing)
- 4IR and the gig economy & sport



Languages– Ethics – Democracy – Movies & Sport

Verdict on the Book

8/10



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MUSIC

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Thank you
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