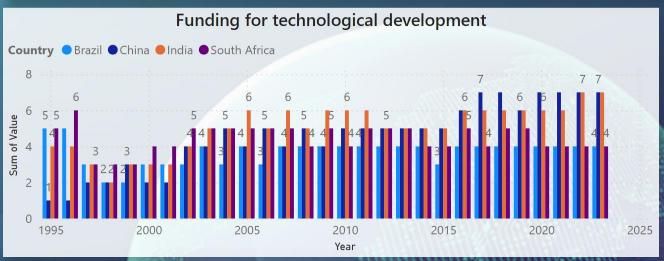
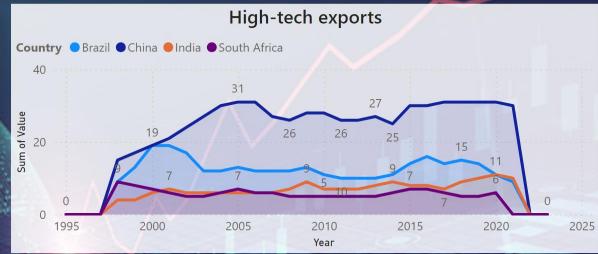
# South Africa's Digital Competitiveness Vs Other BRICS Countries

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# **Digital Competitiveness Economic Factors**



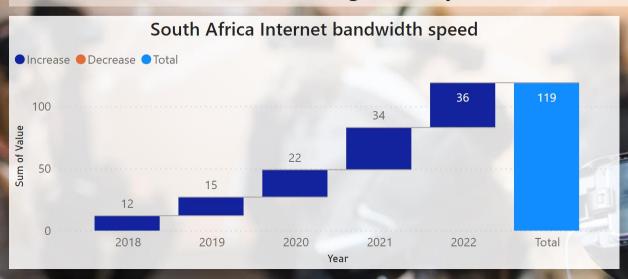




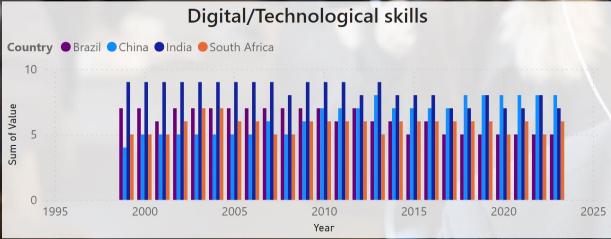


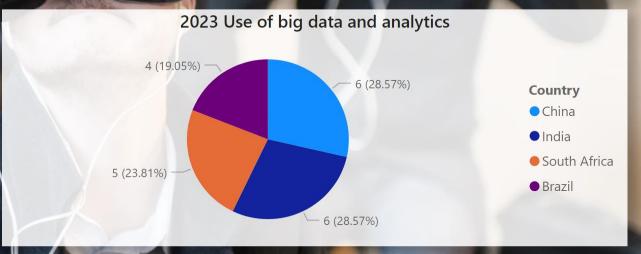
- South Africa funding for technological development has been moving between 6 and 4 matrices. China and India are leading in terms of funding of technological development whilst Brazil trails behind.
- South Africa has not been doing so well in terms of exports of high-tech items because for the past 10 years it has been ranking lower than any country in the BRCIS group. China has been leading by a very high margin compared to other BRICS nations.
- South Africa has been leading in terms of ranking for IT & Media stock market capitalization followed by India.
- GDP per capita for South Africa is lower than that of China and India.

# **Digital Competitiveness Technological & Environment Factors**



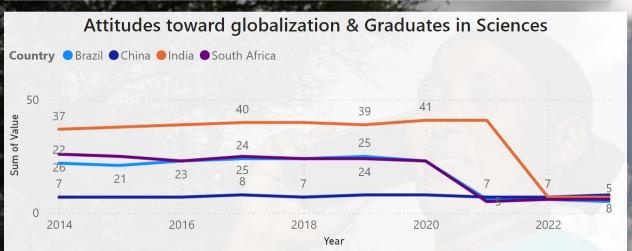


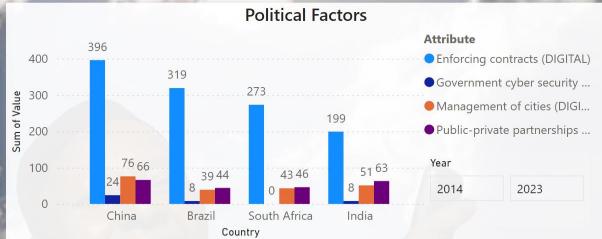


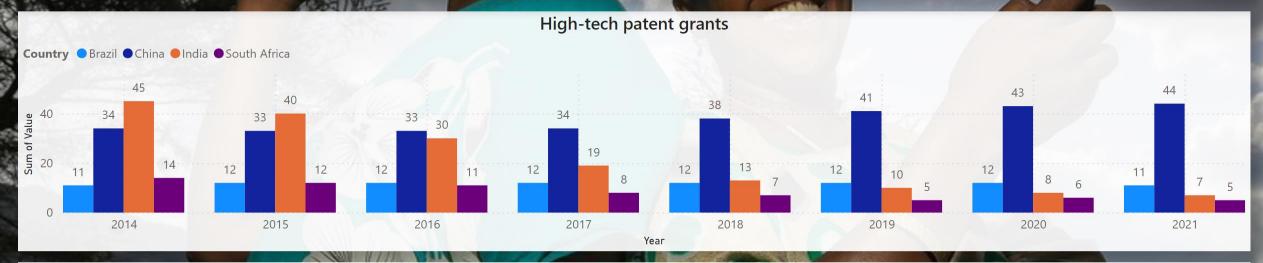


- South Africa Internet bandwidth speed has been growing over the years which is essential for efficient digital communication and online services. However the rate is behind that of China and India.
- South Africa's level of digital/Technological skills available in the country has not had any significant changes and falls behind that of China and India.
- · Use of big data and analytics for South Africa is higher than that of Brazil and lower than China and India.
- In terms Agility of companies and knowledge transfer, matrices haven seen a significant jump in 2016 and **South Africa** matric is higher than that of **Brazil** in 2023 but lower than that of **China** and **India**.

# **Digital Competitiveness Social & Political Factors**







- South Africa's matric for attitude towards globalization & graduates in science was higher between 2013 and 2021. It was higher than China but lower than India.
- · Analysis of Political factors for the past 10 years show that South Africa still has a long way to go to catch up to China and India.
- Use of big data and analytics for **South Africa** is higher than that of **Brazil** and lower than **China** and **India**.
- Analysis of **South Africa**'s matric for high-tech patent grants shows a downward trend from 2014 whish **China** shows an upward trend. **India** also shows a downward trend while **Brazil** does not have significant changes.

# South Africa Digital Competitiveness Ranking vs other BRICS countries

Time R	lang
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2014

2015

2016

2017

2018

2019

2020

2021

2022

2023

Economic	<b>Factors</b>	Ranking
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Country ▼	Funding for technological development	GDP per capita	High-tech exports	IT & media stock market capitalization	
South Africa	3	4	4	1	
India	2	3	3	2	<u>,</u>
China	1	2	1	3	,
Brazil	4	1	2	4	

### Technological & Environment Ranking

Country	Agility of companies	Digital/Technological skills	Internet bandwidth speed	Use of big data and analytics
5 11 161				
South Africa	4	3	4	3
India	2	1	3	2
China	1	2	1	1
Brazil	3	4	2	4

### Social & Political Ranking

Country ▼	Attitudes toward globalization	Government cyber security capacity	High-tech patent grants	Management of cities
South Africa	4	4	4	3
India	2	2	2	2
China	1	1	1	1
Brazil	3	3	3	4

• **South Africa**'s digital competitiveness compared to other BRICS countries, shows both strengths and weaknesses. Economically, it faces challenges due to lower funding for technological development and high-tech exports. Technologically, its bandwidth speed and digital skills are improving but lag behind larger BRICS nations. In terms of economic factors it ranks third on an average. South Africa ranks 4th place in terms of technology, environment, social and political factors.

### South Africa Digital Competitiveness Ranking

**VS BRICS Countries** 

IT & media stock market capitalization

1

**Graduates in Sciences** 

3

Knowledge transfer

3

Management of cities

3

Agility of companies

4

Attitudes toward globalization

4

Digital/Technological skills

4

GDP per capita

4

Government cyber security capacity

4

**High-tech exports** 

4

High-tech patent grants

2