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ECONOMY PROFILE

# SOUTH AFRICA



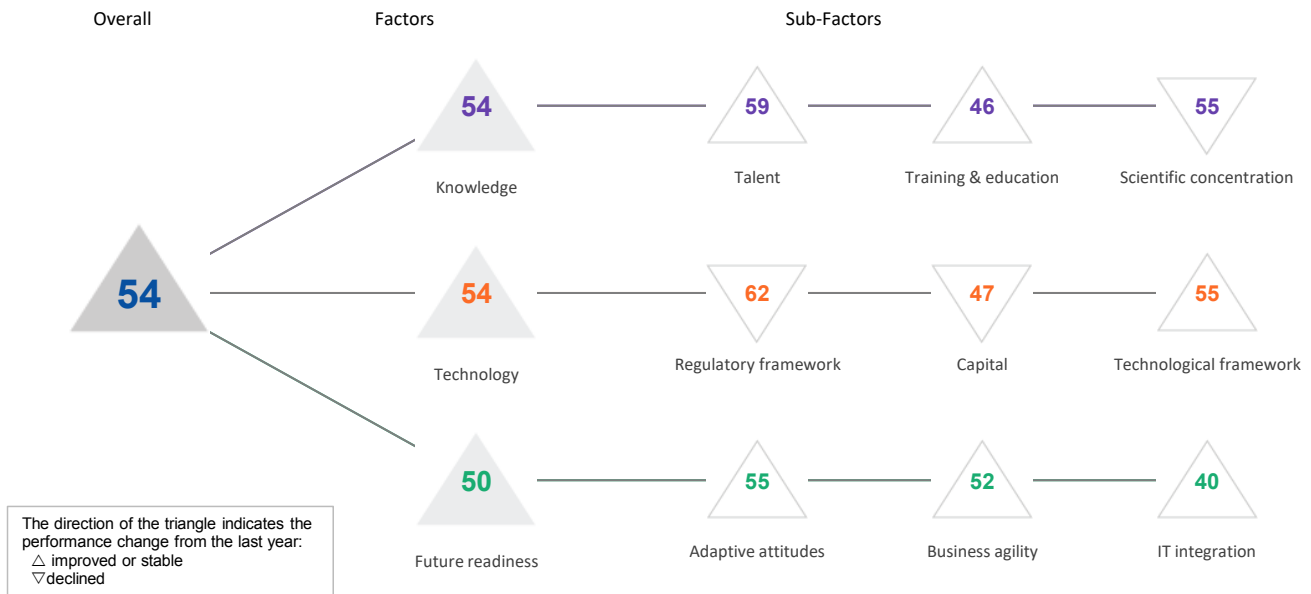
IMD World Digital  
Competitiveness Ranking  
2024

**IMD** / World Competitiveness  
Center

# SOUTH AFRICA

## DIGITAL TRENDS - OVERALL

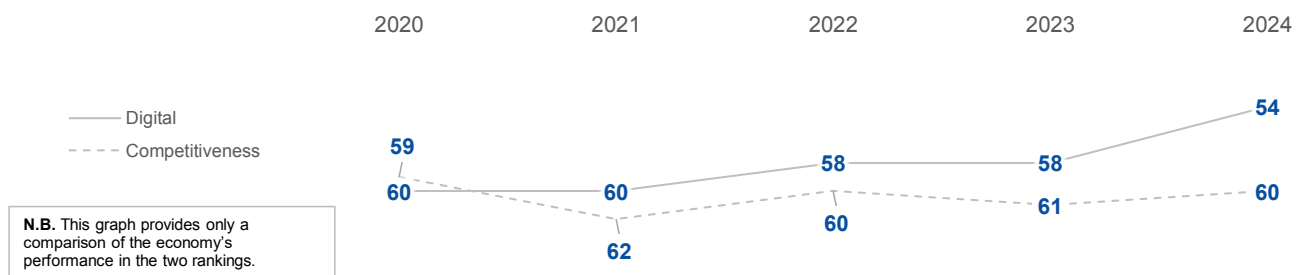
### OVERALL PERFORMANCE (67 economies)



### OVERALL & FACTORS - 5 years

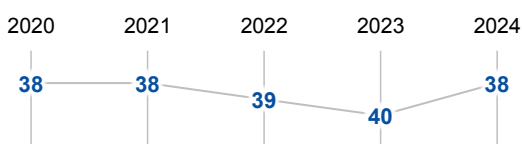
	2020	2021	2022	2023	2024
OVERALL	60	60	58	58	54
Knowledge	60	62	54	58	54
Technology	55	59	58	59	54
Future readiness	57	59	59	56	50

### COMPETITIVENESS & DIGITAL RANKINGS

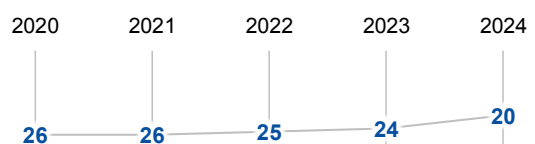


### PEER GROUPS RANKINGS

#### EUROPE - MIDDLE EAST - AFRICA (43 economies)



#### POPULATIONS > 20 MILLION (30 economies)



# SOUTH AFRICA

## FACTORS BREAKDOWN - STRENGTHS AND WEAKNESSES

► Overall Top Strengths

► Overall Top Weaknesses

### KNOWLEDGE

Sub-Factors	2020	2021	2022	2023	2024
Talent	59	58	57	60	59
Training & education	60	62	50	49	46
Scientific concentration	53	53	53	53	55

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	-	Employee training	46	Total expenditure on R&D (%)	49
International experience	35	► Total public expenditure on education	02	Total R&D personnel per capita	54
Foreign highly skilled personnel	48	▷ Higher education achievement	61	► Female researchers	13
▷ Management of cities	66	Pupil-teacher ratio (tertiary education)	42	R&D productivity by publication	21
Digital/Technological skills	52	Graduates in Sciences	56	Scientific and technical employment	-
Net flow of international students	38	Women with degrees	57	High-tech patent grants	54
		Computer science education index	45	Robots in Education and R&D	45
				AI articles	55

### TECHNOLOGY

Sub-Factors	2020	2021	2022	2023	2024
Regulatory framework	56	59	53	56	62
Capital	32	36	51	45	47
Technological framework	57	61	60	61	55

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
▷ Starting a business	61	► IT & media stock market capitalization	07	Communications technology	52
Enforcing contracts	52	Funding for technological development	57	Mobile broadband subscribers	47
▷ Immigration laws	65	Banking and financial services	55	Wireless broadband	42
Development & application of tech.	60	Country credit rating	58	Internet users	60
Scientific research legislation	44	Venture capital	58	▷ Internet bandwidth speed	61
Intellectual property rights	48	► Investment in Telecommunications	12	High-tech exports (%)	55
AI policies passed into law	39			Secure internet servers	37

### FUTURE READINESS

Sub-Factors	2020	2021	2022	2023	2024
Adaptive attitudes	59	59	57	57	55
Business agility	58	59	57	54	52
IT integration	50	55	55	56	40

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
E-Participation	24	Opportunities and threats	34	E-Government	36
Internet retailing	57	World robots distribution	32	Public-private partnerships	55
Tablet possession	55	Agility of companies	44	Cyber security	53
Smartphone possession	38	Use of big data and analytics	31	Software piracy	20
Attitudes toward globalization	44	Knowledge transfer	45	Government cyber security capacity	52
Flexibility and adaptability	41	Entrepreneurial fear of failure	50	► Privacy protection by law exists	13

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we develop leaders and organizations that  
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inclusive world.

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