

Digital competitiveness profile

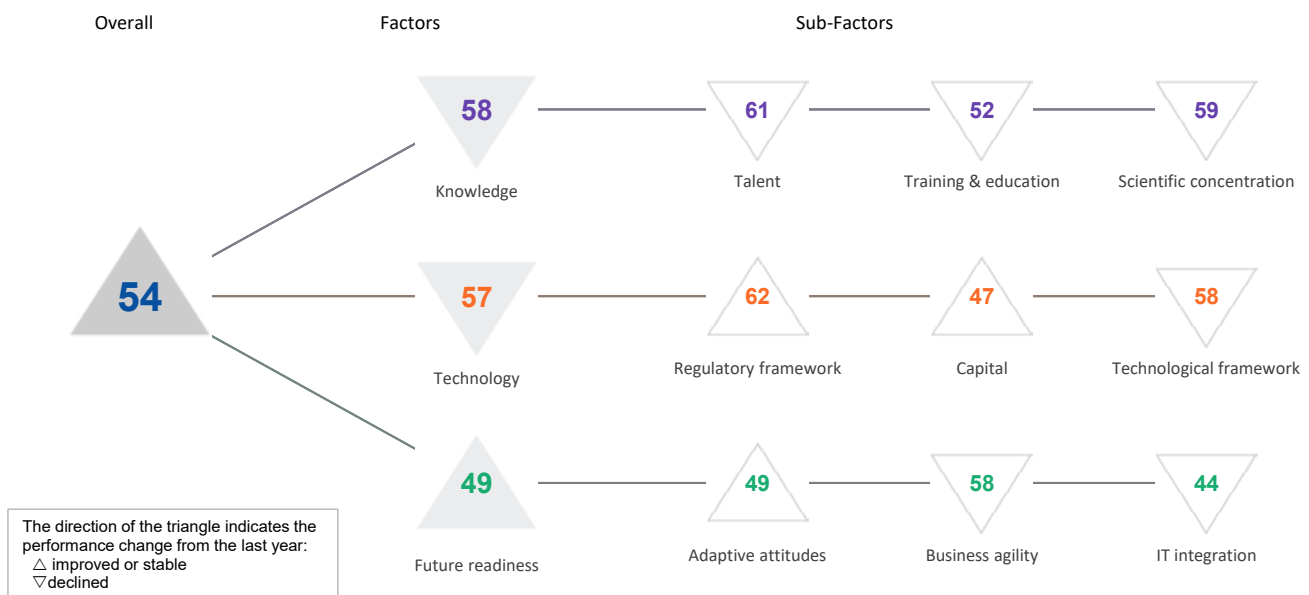
# SOUTH AFRICA



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## DIGITAL TRENDS - OVERALL

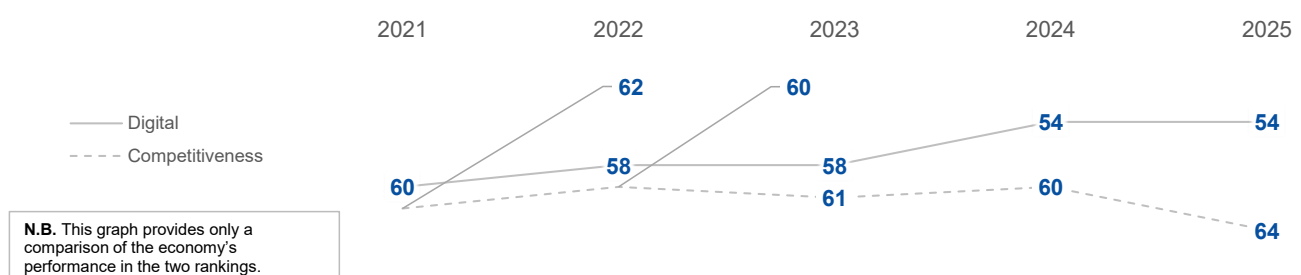
### OVERALL PERFORMANCE (69 economies)



### OVERALL & FACTORS - 5 years

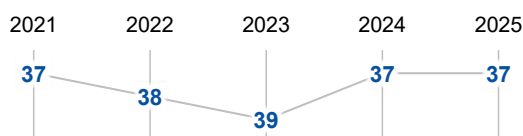
	2021	2022	2023	2024	2025
OVERALL	60	58	58	54	54
Knowledge	62	54	58	54	58
Technology	59	58	59	54	57
Future readiness	59	59	56	50	49

### COMPETITIVENESS & DIGITAL RANKINGS

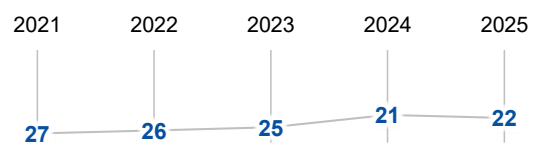


### PEER GROUPS RANKINGS

#### EUROPE - MIDDLE EAST - AFRICA (45 economies)



#### POPULATIONS > 20 MILLION (32 economies)



# SOUTH AFRICA

## FACTORS BREAKDOWN - STRENGTHS AND WEAKNESSES

► Overall Top Strengths

► Overall Top Weaknesses

### KNOWLEDGE

Sub-Factors	2021	2022	2023	2024	2025
Talent	58	57	60	59	61
Training & education	62	50	49	46	52
Scientific concentration	53	53	53	55	59

Talent	Rank
Educational assessment PISA - Math	-
International experience	56
► Management of cities	67
► Digital/Technological skills	67
Foreign highly skilled personnel	49
Net flow of international students	39
► Female researchers	14
Scientific and technical employment	-

Training & education	Rank
Employee training	58
► Total public expenditure on education	02
► Higher education achievement	62
Pupil-teacher ratio (tertiary education)	40
Graduates in Sciences	55
Women with degrees	57
Computer science education index	41

Scientific concentration	Rank
Total expenditure on R&D (%)	48
Total R&D personnel per capita	54
R&D productivity by publication	21
High-tech patent grants	50
AI-related patent publications	48
Robots in Education and R&D	47
AI articles	52

### TECHNOLOGY

Sub-Factors	2021	2022	2023	2024	2025
Regulatory framework	59	53	56	62	62
Capital	36	51	45	47	47
Technological framework	61	60	61	55	58

Regulatory framework	Rank
Starting a business	62
Enforcing contracts	54
► Immigration laws	66
Development & application of tech.	56
Scientific research legislation	41
Intellectual property rights	46
AI policies passed into law	44

Capital	Rank
► IT & media stock market capitalization	07
Funding for technological development	59
Banking and financial services	56
Country credit rating	58
Venture capital	61
► Investment in Telecommunications	06
AI private investment	42

Technological framework	Rank
Communications technology	61
Mobile broadband subscribers	50
Wireless broadband	39
Internet users	62
Internet bandwidth speed	62
High-tech exports (%)	57
Secure internet servers	38

### FUTURE READINESS

Sub-Factors	2021	2022	2023	2024	2025
Adaptive attitudes	59	57	57	55	49
Business agility	59	57	54	52	58
IT integration	55	55	56	40	44

Adaptive attitudes	Rank
E-Participation	24
Internet retailing	57
Tablet possession	42
Smartphone possession	35
Attitudes toward globalization	49
Flexibility and adaptability	58

Business agility	Rank
Opportunities and threats	50
World robots distribution	33
Agility of companies	56
Use of big data and analytics	34
Knowledge transfer	48
Entrepreneurial fear of failure	48

IT integration	Rank
E-Government	35
► Public-private partnerships	63
Cyber security	57
► Software piracy	19
Government cyber security capacity	52
Privacy protection by law exists	27



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