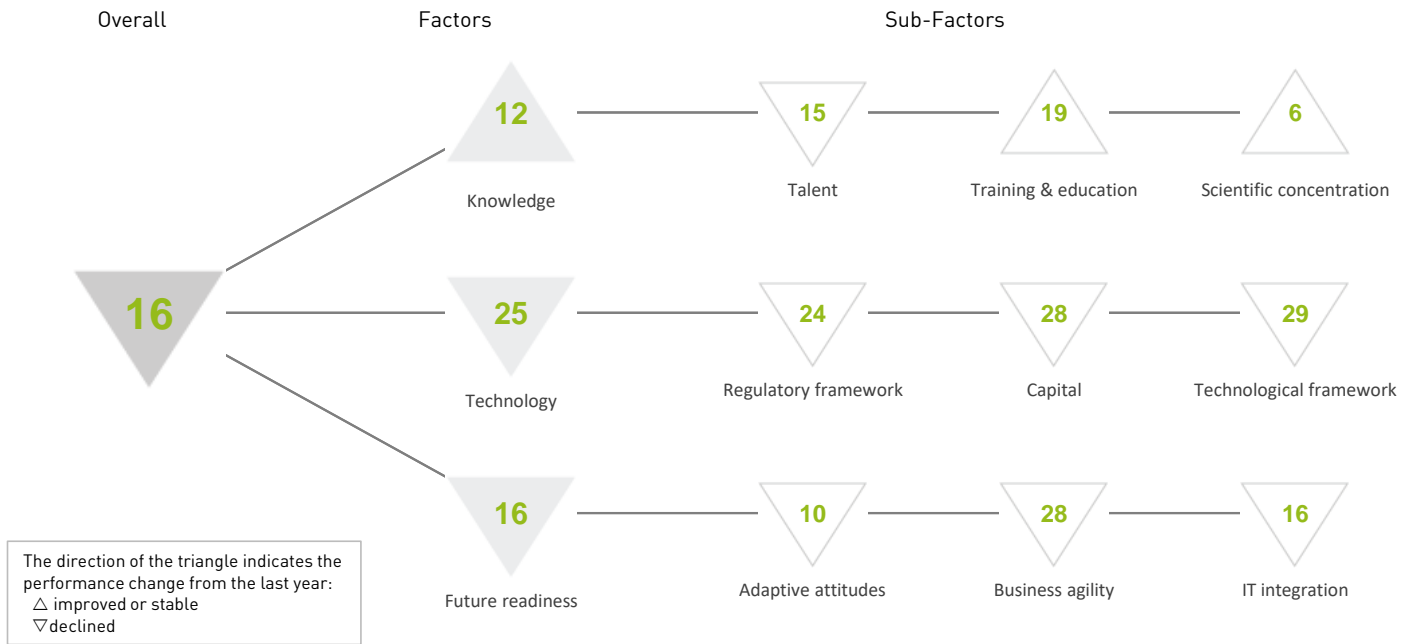


UNITED KINGDOM

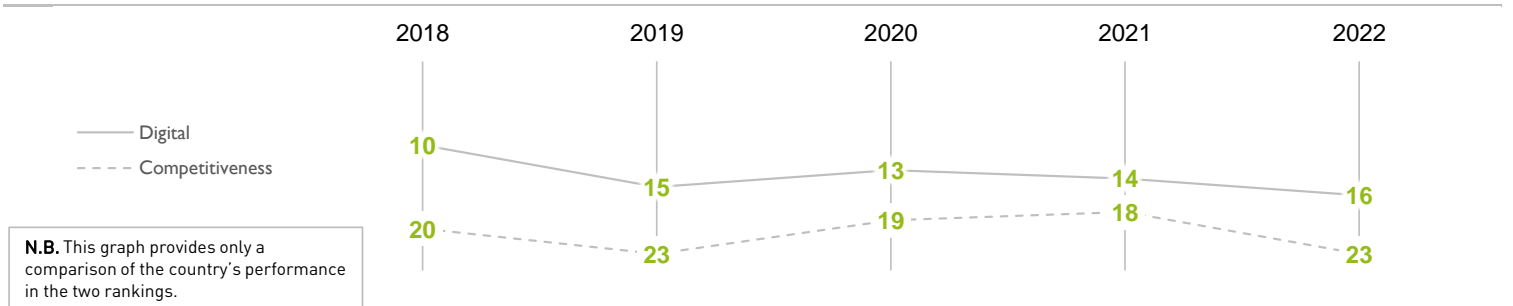
OVERALL PERFORMANCE (63 countries)



OVERALL & FACTORS - 5 years

	2018	2019	2020	2021	2022
OVERALL	10	15	13	14	16
Knowledge	10	14	13	13	12
Technology	13	18	16	17	25
Future readiness	03	13	13	13	16

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (40 countries)



POPULATIONS > 20 MILLION (27 countries)



UNITED KINGDOM

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2018	2019	2020	2021	2022
Talent	09	17	10	11	15
Training & education	20	23	25	26	19
Scientific concentration	08	08	08	07	06

Talent	Rank
Educational assessment PISA - Math	17
International experience	33
Foreign highly-skilled personnel	18
Management of cities	28
Digital/Technological skills	24
▶ Net flow of international students	04

Training & education	Rank
Employee training	37
Total public expenditure on education	22
Higher education achievement	14
Pupil-teacher ratio (tertiary education)	34
Graduates in Sciences	22
Women with degrees	15

Scientific concentration	Rank
Total expenditure on R&D (%)	23
Total R&D personnel per capita	19
Female researchers	24
▶ R&D productivity by publication	06
Scientific and technical employment	07
High-tech patent grants	21
▶ Robots in Education and R&D	06

TECHNOLOGY

Sub-Factors	2018	2019	2020	2021	2022
Regulatory framework	07	18	17	20	24
Capital	17	22	22	18	28
Technological framework	17	18	22	19	29

Regulatory framework	Rank
Starting a business	09
Enforcing contracts	26
Immigration laws	40
Development & application of tech.	27
Scientific research legislation	21
Intellectual property rights	27

Capital	Rank
IT & media stock market capitalization	32
Funding for technological development	21
Banking and financial services	28
Country credit rating	20
Venture capital	20
▷ Investment in Telecommunications	50

Technological framework	Rank
Communications technology	40
Mobile Broadband subscribers	16
Wireless broadband	26
Internet users	36
Internet bandwidth speed	37
High-tech exports (%)	15

FUTURE READINESS

Sub-Factors	2018	2019	2020	2021	2022
Adaptive attitudes	04	10	11	09	10
Business agility	16	26	25	23	28
IT integration	02	14	11	09	16

Adaptive attitudes	Rank
▶ E-Participation	06
▶ Internet retailing	03
Tablet possession	17
▷ Smartphone possession	45
▷ Attitudes toward globalization	45

Business agility	Rank
Opportunities and threats	32
World robots distribution	15
Agility of companies	25
Use of big data and analytics	19
Knowledge transfer	19
▷ Entrepreneurial fear of failure	43

IT integration	Rank
E-Government	07
Public-private partnerships	21
Cyber security	22
Software piracy	10
Government cyber security capacity	22
▷ Privacy protection by law content	46