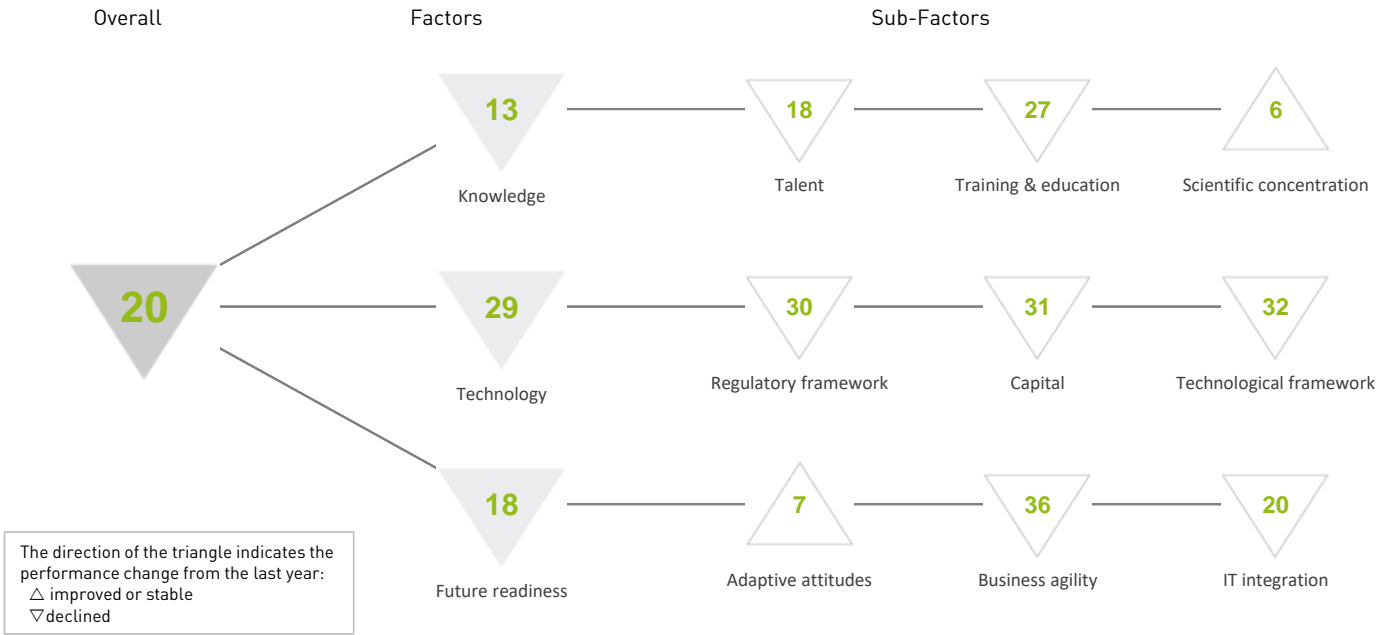


UNITED KINGDOM

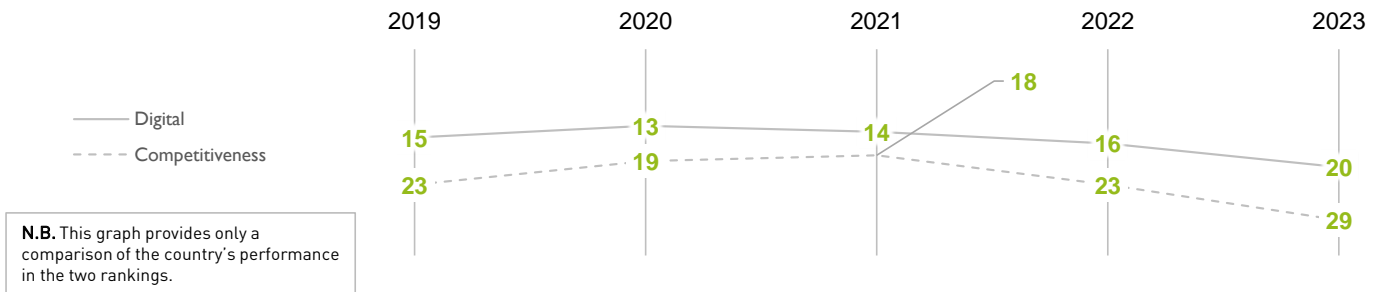
OVERALL PERFORMANCE (64 countries)



OVERALL & FACTORS - 5 years

	2019	2020	2021	2022	2023
OVERALL	15	13	14	16	20
Knowledge	14	13	13	12	13
Technology	18	16	17	25	29
Future readiness	13	13	13	16	18

COMPETITIVENESS & DIGITAL RANKINGS



PEER GROUPS RANKINGS

EUROPE - MIDDLE EAST - AFRICA (41 countries)



POPULATIONS > 20 MILLION (27 countries)



UNITED KINGDOM

▶ Overall Top Strengths

▷ Overall Top Weaknesses

KNOWLEDGE

Sub-Factors	2019	2020	2021	2022	2023
Talent	17	10	11	15	18
Training & education	23	25	26	19	27
Scientific concentration	08	08	07	06	06

Talent	Rank	Training & education	Rank	Scientific concentration	Rank
Educational assessment PISA - Math	17	▷ Employee training	50	Total expenditure on R&D (%)	12
International experience	37	Total public expenditure on education	21	Total R&D personnel per capita	23
Foreign highly skilled personnel	28	Higher education achievement	14	Female researchers	25
Management of cities	34	Pupil-teacher ratio (tertiary education)	28	R&D productivity by publication	11
Digital/Technological skills	26	Graduates in Sciences	35	▶ Scientific and technical employment	07
▶ Net flow of international students	03	Women with degrees	15	High-tech patent grants	16
				▶ Robots in Education and R&D	08

TECHNOLOGY

Sub-Factors	2019	2020	2021	2022	2023
Regulatory framework	18	17	20	24	30
Capital	22	22	18	28	31
Technological framework	18	22	19	29	32

Regulatory framework	Rank	Capital	Rank	Technological framework	Rank
Starting a business	09	IT & media stock market capitalization	33	Communications technology	36
Enforcing contracts	26	Funding for technological development	25	Mobile broadband subscribers	32
▷ Immigration laws	52	Banking and financial services	31	Wireless broadband	24
Development & application of tech.	28	Country credit rating	21	Internet users	37
Scientific research legislation	23	Venture capital	15	Internet bandwidth speed	38
Intellectual property rights	21	▷ Investment in Telecommunications	48	High-tech exports (%)	13

FUTURE READINESS

Sub-Factors	2019	2020	2021	2022	2023
Adaptive attitudes	10	11	09	10	07
Business agility	26	25	23	28	36
IT integration	14	11	09	16	20

Adaptive attitudes	Rank	Business agility	Rank	IT integration	Rank
▶ E-Participation	06	▷ Opportunities and threats	46	E-Government	11
▶ Internet retailing	03	World robots distribution	15	Public-private partnerships	28
Tablet possession	14	Agility of companies	46	Cyber security	30
Smartphone possession	46	Use of big data and analytics	24	Software piracy	10
Attitudes toward globalization	44	Knowledge transfer	13	Government cyber security capacity	23
		Entrepreneurial fear of failure	44	▷ Privacy protection by law content	46