UNITED KINGDOM

GII 2020 rank

4

Output rank	Input rank	Income	Region	Population (mn)	GDP, PPP$	GDP per capita, PPP$	GII 2019 rank
3	6	High	EUR	67.5	3,131.2	40,881.3	5

		Score/Value	Rank	
	INSTITUTIONS	**86.1**	**16**	
1.1	**Political environment**	**77.8**	**25**	◇
1.1.1	Political and operational stability*	73.2	49	○ ◇
1.1.2	Government effectiveness*	80.1	21	
1.2	**Regulatory environment**	**93.1**	**8**	
1.2.1	Regulatory quality*	88.3	9	
1.2.2	Rule of law*	89.4	15	
1.2.3	Cost of redundancy dismissal, salary weeks	9.3	25	
1.3	**Business environment**	**87.4**	**12**	
1.3.1	Ease of starting a business*	94.6	17	
1.3.2	Ease of resolving insolvency*	80.3	13	
	HUMAN CAPITAL & RESEARCH	**58.0**	**10**	
2.1	**Education**	**55.2**	**35**	
2.1.1	Expenditure on education, % GDP	5.5	22	
2.1.2	Government funding/pupil, secondary, % GDP/cap	21.2	44	○
2.1.3	School life expectancy, years	17.5	16	
2.1.4	PISA scales in reading, maths, & science	503.5	12	
2.1.5	Pupil-teacher ratio, secondary	16.6	79	○ ◇
2.2	**Tertiary education**	**51.3**	**15**	
2.2.1	Tertiary enrolment, % gross	60.0	46	○
2.2.2	Graduates in science & engineering, %	26.3	31	
2.2.3	Tertiary inbound mobility, %	17.9	8	◆
2.3	**Research & development (R&D)**	**67.6**	**9**	
2.3.1	Researchers, FTE/mn pop	4,603.3	20	
2.3.2	Gross expenditure on R&D, % GDP	1.7	21	
2.3.3	Global R&D companies, avg. exp. top 3, mn $US	84.8	8	
2.3.4	QS university ranking, average score top 3*	95.7	2	● ◆
	INFRASTRUCTURE	**60.3**	**6**	●
3.1	**Information & communication technologies (ICTs)**	**93.6**	**1**	● ◆
3.1.1	ICT access*	91.5	4	● ◆
3.1.2	ICT use*	86.5	6	●
3.1.3	Government's online service*	97.9	4	●
3.1.4	E-participation*	98.3	5	
3.2	**General infrastructure**	**33.1**	**38**	◇
3.2.1	Electricity output, kWh/mn pop	4,986.0	42	○
3.2.2	Logistics performance*	89.9	9	
3.2.3	Gross capital formation, % GDP	16.4	117	○ ◇
3.3	**Ecological sustainability**	**54.2**	**14**	◆
3.3.1	GDP/unit of energy use	14.9	13	
3.3.2	Environmental performance*	81.3	4	●
3.3.3	ISO 14001 environmental certificates/bn PPP$ GDP	4.2	22	
	MARKET SOPHISTICATION	**74.4**	**5**	● ◆
4.1	**Credit**	**68.1**	**8**	
4.1.1	Ease of getting credit*	75.0	34	
4.1.2	Domestic credit to private sector, % GDP	136.2	14	
4.1.3	Microfinance gross loans, % GDP	n/a	n/a	
4.2	**Investment**	**73.9**	**5**	● ◆
4.2.1	Ease of protecting minority investors*	84.0	7	◆
4.2.2	Market capitalization, % GDP	n/a	n/a	
4.2.3	Venture capital deals/bn PPP$ GDP	0.4	9	
4.3	**Trade, competition, and market scale**	**81.3**	**4**	●
4.3.1	Applied tariff rate, weighted avg., %	1.7	22	○
4.3.2	Intensity of local competition†	79.9	9	
4.3.3	Domestic market scale, bn PPP$	3,131.2	9	

		Score/Value	Rank	
	BUSINESS SOPHISTICATION	**51.0**	**19**	
5.1	**Knowledge workers**	**59.6**	**16**	
5.1.1	Knowledge-intensive employment, %	49.2	7	
5.1.2	Firms offering formal training, %	n/a	n/a	
5.1.3	GERD performed by business, % GDP	1.2	18	
5.1.4	GERD financed by business, %	51.8	25	
5.1.5	Females employed w/advanced degrees, %	23.4	16	
5.2	**Innovation linkages**	**51.0**	**14**	
5.2.1	University/industry research collaboration†	69.0	11	
5.2.2	State of cluster development†	65.9	14	
5.2.3	GERD financed by abroad, % GDP	0.3	12	
5.2.4	JV-strategic alliance deals/bn PPP$ GDP	0.2	16	
5.2.5	Patent families 2+ offices/bn PPP$ GDP	2.3	17	
5.3	**Knowledge absorption**	**42.5**	**27**	
5.3.1	Intellectual property payments, % total trade	1.5	21	
5.3.2	High-tech imports, % total trade	11.5	21	
5.3.3	ICT services imports, % total trade	1.9	31	
5.3.4	FDI net inflows, % GDP	5.9	20	
5.3.5	Research talent, % in business enterprise	40.6	33	○ ◇
	KNOWLEDGE & TECHNOLOGY OUTPUTS	**54.4**	**9**	
6.1	**Knowledge creation**	**66.2**	**6**	●
6.1.1	Patents by origin/bn PPP$ GDP	6.1	15	
6.1.2	PCT patents by origin/bn PPP$ GDP	1.8	18	
6.1.3	Utility models by origin/bn PPP$ GDP	n/a	n/a	
6.1.4	Scientific & technical articles/bn PPP$ GDP	25.2	15	
6.1.5	Citable documents H-index	100.0	1	● ◆
6.2	**Knowledge impact**	**45.3**	**10**	
6.2.1	Growth rate of PPP$ GDP/worker, %	0.4	79	○
6.2.2	New businesses/th pop. 15-64	15.6	8	◆
6.2.3	Computer software spending, % GDP	0.0	4	●
6.2.4	ISO 9001 quality certificates/bn PPP$ GDP	9.7	28	
6.2.5	High- and medium-high-tech manufacturing, %	42.8	18	
6.3	**Knowledge diffusion**	**51.8**	**11**	
6.3.1	Intellectual property receipts, % total trade	2.5	8	
6.3.2	High-tech net exports, % total trade	8.8	20	
6.3.3	ICT services exports, % total trade	3.3	27	
6.3.4	FDI net outflows, % GDP	2.8	23	
	CREATIVE OUTPUTS	**52.7**	**5**	●
7.1	**Intangible assets**	**53.9**	**9**	
7.1.1	Trademarks by origin/bn PPP$ GDP	56.9	41	
7.1.2	Global brand value, top 5,000, % GDP	167.2	6	●
7.1.3	Industrial designs by origin/bn PPP$ GDP	9.5	13	
7.1.4	ICTs & organizational model creation†	79.1	6	●
7.2	**Creative goods and services**	**41.6**	**10**	
7.2.1	Cultural & creative services exports, % total trade	2.1	6	● ◆
7.2.2	National feature films/mn pop. 15-69	6.2	36	○
7.2.3	Entertainment & Media market/th pop. 15-69	63.4	8	
7.2.4	Printing and other media, % manufacturing	1.9	17	
7.2.5	Creative goods exports, % total trade	2.9	20	
7.3	**Online creativity**	**61.6**	**10**	
7.3.1	Generic top-level domains (TLDs)/th pop. 15-69	60.3	11	
7.3.2	Country-code TLDs/th pop. 15-69	77.6	7	
7.3.3	Wikipedia edits/mn pop. 15-69	84.9	15	
7.3.4	Mobile app creation/bn PPP$ GDP	24.3	22	

NOTES: ● indicates a strength; ○ a weakness; ◆ a strength relative to the other top 25-ranked GII economies; ◇ a weakness relative to the other top 25-ranked GII economies; * an