

**AUSTRALIA** 

**GKI RANK**  GKI SCORE

63.4

WORLD AVERAGE

47.8

#### **COUNTRY PERFORMANCE SUMMARY**

Australia is a leading performer in terms of its knowledge infrastructure. It ranks 17th out of 141 countries in the Global Knowledge Index 2024 and 17th out of the 59 countries with very high human development.

### **AREAS OF STRENGTH**

- Ease of starting a business
- New business density per thousand
- Entrepreneurial employee activity rate
- Inbound mobility rate
- Research institutions prominence

#### **AREAS OF IMPROVEMENT**

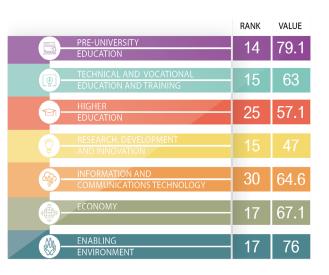
- Ecological footprint per capita
- Trade (% GDP)
- Market concentration
- Tax and contribution rate (% profit)
- Share of students enrolled in postsecondary vocational programmes

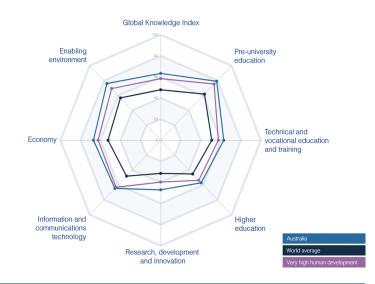
#### **SECTORAL INDICES**

HDI: 0.946

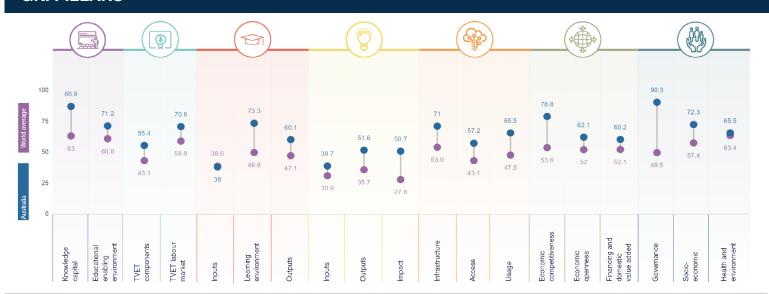
**KEY INDICATORS** 

GDP (US\$ billions): 1,583.832 Population: 26,451,124





#### **GKI PILLARS**





# **AUSTRALIA**

Section		Rank Value	
Enrolment 1 23 66.7 Net enrolment rate in primary education 15 99.4 Net enrolment rate in lower secondary education 15 99.4 Vet enrolment rate in lower secondary education 19 97.7 Net enrolment rate in upper secondary education 19 99.4 Vet enrolment rate in upper secondary education 19 99.4 Vet enrolment rate in upper secondary education 19 99.4 Vet enrolment rate in upper secondary education 17 92.4 Scross intake ratio to the last grade of lower secondary education 17 92.4 Completion rate in upper secondary education 19 10 10 10 10 10 10 10 10 10 10 10 10 10	PRE-UNIVERSITY EDUCATION	14	79.1
Net enrolment rate in primary education   15   99.4	Knowledge capital	2	86.9
Vertication   149   97.7     Vest enrolment rate in lower secondary education   33   93.1     Completion   2   88.5     Vesters of compulsory education in primary and secondary     Completion   71   92.4     Completion   71   92.4     Completion   71   92.4     Completion rate in upper secondary education   71   92.4     Completion rate in upper secondary education   71   92.4     Completion rate in upper secondary education   71   75.6     Completion rate in upper secondary education   71   75.6     Completion rate in proper secondary education   71   75.6     Completion rate   75   75.6     Completion rate   75   75.6     Completion	Enrolment	23	96.7
Note that compuls on the proper secondary education   33   33.	Net enrolment rate in primary education	15	99.4
Completion         2         88.5           Years of compulsory education in primary and secondary         30         84.6           Completion rate in upper secondary education         17         92.4           Gross intake ratio to the last grade of lower secondary education         n/a         n/a           Assessment of 15-year-old students in math, science and reading         9         66.2           Assessment of 15-year-old students in math, science and reading         9         66.2           Exeming-adjusted years of schooling         17         85           Educational enabling environment         49         71.2           Expenditure         42         41.8           Sovernment expenditure on primary education (% GDP)         31         42.2           Government funding per primary student (% GDP per capita)         37         51           Government funding per primary student (% GDP per capita)         37         51           Government funding per primary student (% GDP per capita)         37         51           Government funding per primary student (% GDP per capita)         37         51           Government funding per primary student (% GDP per capita)         37         7           Government funding per primary student (% GDP per capita)         37         7           Gesource	Net enrolment rate in lower secondary education	49	97.7
rears of compulsory education in primary and secondary  29. 84.8  Completion rate in upper secondary education  17. 92.4  Completion rate in upper secondary education  18. 75.8  Completion rate in upper secondary education  19. 62.2  Assessment of 15-year-old students in math, science and reading  9. 62.2  Assessment of 15-year-old students in math, science and reading  9. 62.2  Assessment of 15-year-old students in math, science and reading  9. 62.2  Assessment of 15-year-old students in math, science and reading  9. 62.2  Assessment of 15-year-old students in math, science and reading  9. 62.2  Assessment expenditure on secondary education (% GDP)  31. 42.2  Government expenditure on primary education (% GDP)  31. 42.2  Government expenditure on secondary education (% GDP)  31. 42.2  Government funding per primary student (% GDP per capita)  32. 52.3  Assessment funding per primary student (% GDP per capita)  33. 51.3  Assessment funding per primary education  42. 41.8  Assessment funding per secondary student (% GDP per capita)  43. 62.2  Assessment funding per secondary education  44. 70.1  Assessment funding per secondary education  54. 30.8  Assessment funding per secondary education  55. 40.3  Assessment funding per secondary education  56. 52.3  Assessment funding per secondary education  57. 52.3  Assessment funding per secondary education  58. 52.3  Assessment funding per secondary education  59. 52.3  Completion of children with stimulating home learning environments  40. 70. 70. 70. 70. 70. 70. 70. 70. 70. 7	Net enrolment rate in upper secondary education	33	93.1
Completion rate in upper secondary education         17         92.4           Gross intake ratio to the last grade of lower secondary education         n/a         n/a           Dutcomes         11         75.6           Assessment of 15-year-old students in math, science and reading         9         66.2           Learning-adjusted years of schooling         17         85           Educational enabling environment         49         71.2           Expenditure         42         41.8           Government expenditure on secondary education (% GDP)         31         42.2           Government funding per primary student (% GDP) per capita)         37         51           Government funding per secondary student (% GDP) per capita)         37         51           Resources         12         99.7           Pupil-trained teacher ratio in primary education         n/a         n/a           Resources         12         99.7           Pupil-trained teacher ratio in primary education (%)         1         100           Schools with access to computers in secondary education (%)         44         99.5           Scarly learning         52         52.3           Proportion of children who are developmentally on track         n/a         n/a           Proportion o	Completion	2	88.5
Gross intake ratio to the last grade of lower secondary education n/a n/a policy of the last grade of lower secondary education n/a n/a policy of the last grade of lower secondary education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/	Years of compulsory education in primary and secondary	30	84.6
Dutcomes   11   75.6	Completion rate in upper secondary education	17	92.4
Assessment of 15-year-old students in math, science and reading 9 66.2 Learning-adjusted years of schooling 17 85 and a secondary education (% GDP) 31 42.2 considere 42 41.8 Government expenditure on primary education (% GDP) 31 42.2 covernment expenditure on primary education (% GDP) 31 42.2 covernment tunding per primary student (% GDP per capita) 37 51 covernment funding per primary student (% GDP per capita) 37 51 covernment funding per secondary student (% GDP per capita) 54 36 covernment funding per secondary student (% GDP per capita) 54 36 covernment funding per secondary student (% GDP per capita) 54 36 covernment funding per secondary student (% GDP per capita) 54 36 covernment funding per secondary student (% GDP per capita) 55 4 36 covernment funding per secondary student (% GDP per capita) 65 4 36 covernment funding per secondary student (% GDP per capita) 70 covernment funding per secondary student (% GDP per capita) 70 covernment funding per secondary student (% GDP per capita) 70 covernment funding per secondary student (% GDP per capita) 71 covernment funding f	Gross intake ratio to the last grade of lower secondary education	n/a	n/a
Perming-adjusted years of schooling	Outcomes	11	75.6
Educational enabling environment 49 71.2 Expenditure 42 41.8 Government expenditure on primary education (% GDP) 31 42.2 Sovernment expenditure on secondary education (% GDP) 41 38.2 Sovernment expenditure on secondary education (% GDP) 41 38.2 Sovernment funding per primary student (% GDP per capita) 37 51 36 Sessources 12 99.7 19 12 99.7 19 12 12 99.7 19 12 12 12 99.7 19 12 12 12 99.7 19 12 12 12 99.7 19 12 12 12 12 99.7 19 12 12 12 12 99.7 19 12 12 12 99.7 19 12 12 12 12 12 12 12 12 12 12 12 12 12	Assessment of 15-year-old students in math, science and reading	9	66.2
Expenditure 42 41.8 Government expenditure on primary education (% GDP) 31 42.2 Government expenditure on secondary education (% GDP) 41 38.2 Government expenditure on secondary education (% GDP) 41 38.2 Government funding per primary student (% GDP per capita) 57 51 Government funding per secondary student (% GDP per capita) 54 36 Resources 12 99.7 Pupil-trained teacher ratio in primary education 7/a 7/a Pupil-trained teacher ratio in primary education 7/a 7/a Pupil-trained teacher ratio in secondary education 7/a 7/a Schools with access to computers in primary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education (%) 1 100 Schools with access to computers in secondary education 1 100 Schools with access to computers in secondary education 1 100 Schools with access to computers in secondary education 1 100 Schools with access to computers in secondary education 1 100 Schools with access to computers in secondary education 1 100 Schools with access to computers 1 100 Schools with access to	Learning-adjusted years of schooling	17	85
Sovernment expenditure on primary education (% GDP) 31 4.2.2 Sovernment expenditure on secondary education (% GDP) 41 38.2 Sovernment funding per primary student (% GDP per capita) 37 51 Sovernment funding per primary student (% GDP per capita) 54 38 Sesources 12 99.7 Pupil-trained teacher ratio in primary education n/a n/a n/a Pupil-trained teacher ratio in secondary education (%) 1 100 Schools with access to computers in primary education (%) 1 100 Schools with access to computers in secondary education (%) 44 99.5 Schools with access to computers in secondary education (%) 44 99.5 Schools with access to computers in secondary education (%) 44 99.5 Schools with access to computers in secondary education (%) 47 90.5 Schools with access to computers in secondary education (%) 47 90.5 Schools with access to computers in primary education (%) 47 90.5 Schools with access to computers in primary education (%) 48 92.5 Schools with access to computers in secondary education (%) 49 92.5 Schools with access to computers in primary education (%) 40 92.5 Schools with access to computers in primary education (%) 40 92.5 Schools with access to computers in primary education (%) 40 92.5 Schools with access to computers in primary education (%) 90.8 Schools with access to computers (%) 90.8 Schools with access (%) 90.8 Schools w	Educational enabling environment	49	71.2
31   42.2	Expenditure	42	41.8
Sovernment expenditure on secondary education (% GDP) 41 38.2 Sovernment funding per primary student (% GDP per capita) 37 51 Sovernment funding per primary student (% GDP per capita) 54 38 Resources 12 99.7 Pupil-trained teacher ratio in primary education n/a n/a Pupil-trained teacher ratio in secondary education (%) 1 1 100 Schools with access to computers in primary education (%) 44 99.5 Early learning 65 52.3 Gross enrolment ratio in early childhood education (%) 44 99.5 Early learning 65 52.3 Froportion of children who are developmentally on track n/a n/a n/a Pupil-trained teacher ratio in pre-primary education (%) 1 n/a n/a Proportion of children with stimulating home learning environments n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/			
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Sovernment funding per secondary student (% GDP per capita)  Resources  12 99.7  Pupil-trained teacher ratio in primary education  n/a n/a  Pupil-trained teacher ratio in secondary education  n/a n/a  Schools with access to computers in primary education (%)  1 100  Schools with access to computers in secondary education (%)  25 2.3  Gross enrolment ratio in early childhood education  52 52.3  Gross enrolment ratio in early childhood education  53 52.3  Gross enrolment ratio in early childhood education  54 70 70 70 70 70 70 70 70 70 70 70 70 70			51
Persources   12   99.7			
Pupil-trained teacher ratio in primary education n/a n/a n/a n/a n/a n/a n/a n/a n/a n/			
Pupil-trained teacher ratio in secondary education n/a n/a n/a Schools with access to computers in primary education (%) 1 100 Schools with access to computers in secondary education (%) 44 99.5 Early learning 85 52.3 Gross enrolment ratio in early childhood education 52 52.3 Proportion of children who are developmentally on track n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a Pupil-trained teacher ratio in pre-primary education n/a n/a n/a pupil-trained teacher ratio in pre-primary education n/a n/a n/a pupil-trained teacher ratio in pre-primary education n/a n/a n/a pupil-trained teacher ratio in pre-primary education gender parity 48 92 completion rate in upper secondary education, gender parity 7 89.5 completion rate in upper secondary education, location parity 7 89.5 completion rate in upper secondary education, location parity 7 89.5 completion rate in upper secondary education, location parity 89.5 rives offering formal training (%) 16 55.4 continuous training and skilling 22 59.8 crims offering formal training (%) 17 6.5 continuous training and killing 12 59.8 crims offering formal training (%) 17 6.5 continuous training and non-formal education and training 25 44.1 rivet structure 29 58.3 continuous training 17 55.5 continuous training 18 69.4 continuous training 18 69.4 continuous training 18 69.4 continuous training 19 5 69.6 continuous training 1			
Schools with access to computers in primary education (%)  Schools with access to computers in secondary education (%)  Schools with access to computers in secondary education (%)  Schools with access to computers in secondary education (%)  Schools with access to computers in secondary education (%)  Schools with access to computers in secondary education (%)  Schools with access to computers in secondary education (%)  Proportion of children who are developmentally on track (%)  Proportion of children with stimulating home learning environments (%)  Pupil-trained teacher ratio in pre-primary education (%)  Requity and inclusiveness (%)  Completion rate in upper secondary education, gender parity (%)  Completion rate in upper secondary education, wealth parity (%)  Completion rate in upper secondary education, location parity (%)  And (%)  TECHILICAL AND VOCATIONAL EDUCATION AND TRAINING (%)  Continuous training and skilling (%)  Labour force participation rate with short-cycle tertiary education (%)  Participation rate in formal and non-formal education and training (%)  Covernment expenditure on vocational education (%)  Share of students enrolled in secondary vocational programmes (%)  Share of students enrolled in post-secondary vocational programmes (%)  Extent of staff training (%)  Ratio of high-skill TVET occupations earnings to average wage (%)  Ratio of high-skill TVET occupations earnings to average wage (%)  Proportion of skilled production workers (%)  Share of TVET employment (%)  Share of TVET occupations (%)  Share of TVET o			
Schools with access to computers in secondary education (%)  Early learning  Soross enrolment ratio in early childhood education  Proportion of children who are developmentally on track  Proportion of children with stimulating home learning environments  Proportion rate in upper secondary education, gender parity  Proportion rate in upper secondary education, wealth parity  Proportion rate in upper secondary education, location parity  Proportion rate in upper secondary education and parity  Proportion rate in upper secondary education  Proportion rate in upper secondary education and training  Proportion rate in informal and non-formal education and training  Participation rate in formal and non-formal education and training  Proportion of students enrolled in secondary vocational programmes  Proportion of students enrolled in post-secondary vocational programmes  Proportion of students enrolled in post-secondary vocational programmes  Proportion of students enrolled in post-secondary vocational programmes  Proportion of skilled productions earnings to average wage  Proportion of skilled production workers  Proportion of	,		
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Gross enrolment ratio in early childhood education 52 52.3  Proportion of children who are developmentally on track n/a n/a n/a n/a proportion of children with stimulating home learning environments n/a			
Proportion of children who are developmentally on track n/a			
Proportion of children with stimulating home learning environments  1/2 n/4  1/2 n/4  1/3 n/4  1/4 n/4	•		
Pupil-trained teacher ratio in pre-primary education n/a n/a required partity and inclusiveness 30 90.8 90.8 90.8 90.8 90.8 90.8 90.8 90.			
Equity and inclusiveness 30 90.8 Completion rate in upper secondary education, gender parity 48 92 Completion rate in upper secondary education, wealth parity 7 89.5 Completion rate in upper secondary education, location parity 7 89.5 Completion rate in upper secondary education, location parity 7 89.5 Completion rate in upper secondary education, location parity 8 16 83  ITECHNICAL AND VOCATIONAL EDUCATION AND TRAINING 15 63  INVET components 16 55.4 Continuous training and skilling 22 59.8 Firms offering formal training (%) 1/2 175.6 Participation rate in formal and non-formal education and training 25 44.1  INVET structure 29 58.3 Government expenditure on vocational education (%) 46 29.7 Share of students enrolled in secondary vocational programmes 20 45.1 Share of students enrolled in post-secondary vocational programmes 1 100  INVET quality and qualifications 11 47.9 Extent of staff training 18 69.4 Ratio of high-skill TVET occupations earnings to average wage 80 22.7 Ratio of medium-skill TVET occupations earnings to average wage 51 30  INVET labour market 28 70.6 Efficiency of the labour market 12 82.4 Firms constrained with inadequately educated workforce (%) 1/2 1/2  Imployment educational mismatch (%) 43 73.4  Proportion of skilled production workers 1/2  Intemployment rate with vocational education 16 91.4  Post-TVET employment 54 89.5  Manufacturing employment (%) 103 21.1  Equity and inclusiveness 32 84  Enrolment in vocational education, gender parity 62 79			
Completion rate in upper secondary education, gender parity 7 89.5 Completion rate in upper secondary education, wealth parity 7 89.5 Completion rate in upper secondary education, location parity 7 89.5 Completion rate in upper secondary education, location parity 7 89.5 Completion rate in upper secondary education, location parity 8 7 8 8.5 Comment of the components 16 55.4 Continuous training and skilling 2 59.8 Firms offering formal training (%) 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			
Completion rate in upper secondary education, wealth parity         7         89.5           Completion rate in upper secondary education, location parity         n/a         n/a           TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING         15         63           TVET components         16         55.4           Continuous training and skilling         22         59.8           Firms offering formal training (%)         n/a         n/a           Labour force participation rate with short-cycle tertiary education         51         75.6           Participation rate in formal and non-formal education and training         25         44.1           IVET structure         29         58.3           Government expenditure on vocational education (%)         46         29.7           Share of students enrolled in secondary vocational programmes         1         100           TVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         51         30           TVET labour market         12         82.4           Efficiency of the labour market         12         82.4 <tr< td=""><td></td><td></td><td></td></tr<>			
Completion rate in upper secondary education, location parity  ITECHNICAL AND VOCATIONAL EDUCATION AND TRAINING  ITEMS offering formal training (%)  ITEMS offering formal training and informal education and training and training and programmes and pr			
TVET components   16   55.4			
TVET components   16   55.4			
Continuous training and skilling         22         59.8           Firms offering formal training (%)         n/a         n/a           Labour force participation rate with short-cycle tertiary education         51         75.6           Participation rate in formal and non-formal education and training         25         44.1           IVET structure         29         58.3           Government expenditure on vocational education (%)         46         29.7           Share of students enrolled in secondary vocational programmes         20         45.1           Share of students enrolled in post-secondary vocational programmes         1         100           IVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43 </td <td></td> <td></td> <td></td>			
Participation rate with short-cycle tertiary education   51   75.6	TVET components	16	55.4
Labour force participation rate with short-cycle tertiary education         51         75.6           Participation rate in formal and non-formal education and training         25         44.1           TVET structure         29         58.3           Government expenditure on vocational education (%)         46         29.7           Share of students enrolled in secondary vocational programmes         20         45.1           Share of students enrolled in post-secondary vocational programmes         1         100           TVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education	Continuous training and skilling	22	59.8
Participation rate in formal and non-formal education and training 25 44.1  ITVET structure 29 58.3  Government expenditure on vocational education (%) 46 29.7  Share of students enrolled in secondary vocational programmes 20 45.1  Share of students enrolled in post-secondary vocational programmes 1 100  ITVET quality and qualifications 31 47.9  Extent of staff training 18 69.4  Quality of vocational training 15 69.6  Ratio of high-skill TVET occupations earnings to average wage 80 22.7  Ratio of medium-skill TVET occupations earnings to average wage 51 30  ITVET labour market 28 70.6  Efficiency of the labour market 12 82.4  Firms constrained with inadequately educated workforce (%) n/a n/a  Employment educational mismatch (%) 43 73.4  Proportion of skilled production workers n/a n/a  Unemployment rate with vocational education 16 91.4  Post-TVET employment (%) 103 21.1  Equity and inclusiveness 32 84  Enrolment in vocational education, gender parity 62 79	Firms offering formal training (%)	n/a	n/a
TVET structure   29   58.3	_abour force participation rate with short-cycle tertiary education	51	75.6
Government expenditure on vocational education (%)         46         29.7           Share of students enrolled in secondary vocational programmes         20         45.1           Share of students enrolled in post-secondary vocational programmes         1         100           IVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1 <td< td=""><td>Participation rate in formal and non-formal education and training</td><td>25</td><td>44.1</td></td<>	Participation rate in formal and non-formal education and training	25	44.1
Share of students enrolled in secondary vocational programmes         20         45.1           Share of students enrolled in post-secondary vocational programmes         1         100           TVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           proportion of skilled production workers         n/a         n/a           proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocationa	TVET structure	29	58.3
Share of students enrolled in post-secondary vocational programmes         1         100           IVET quality and qualifications         31         47.9           Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Government expenditure on vocational education (%)	46	29.7
TVET quality and qualifications   31   47.9	Share of students enrolled in secondary vocational programmes	20	45.1
Extent of staff training         18         69.4           Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Share of students enrolled in post-secondary vocational programmes	1	100
Quality of vocational training         15         69.6           Ratio of high-skill TVET occupations earnings to average wage         80         22.7           Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	TVET quality and qualifications	31	47.9
Ratio of high-skill TVET occupations earnings to average wage 51 30  IVET labour market 28 70.6  Efficiency of the labour market 12 82.4  Efficiency of the labo	Extent of staff training	18	69.4
Ratio of medium-skill TVET occupations earnings to average wage         51         30           TVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Proportion of skilled production workers         n/a         n/a         n/a           Proportion of skilled production workers         n/a         n/a         s/a           Post-TVET employment rate with vocational education         16         91.4           Post-TVET employment         67         45.3         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Quality of vocational training	15	69.6
IVET labour market         28         70.6           Efficiency of the labour market         12         82.4           Eirims constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Ratio of high-skill TVET occupations earnings to average wage	80	22.7
Efficiency of the labour market         12         82.4           Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Ratio of medium-skill TVET occupations earnings to average wage	51	30
Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	TVET labour market	28	70.6
Firms constrained with inadequately educated workforce (%)         n/a         n/a           Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Efficiency of the labour market	12	82.4
Employment educational mismatch (%)         43         73.4           Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Firms constrained with inadequately educated workforce (%)		
Proportion of skilled production workers         n/a         n/a           Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79			
Unemployment rate with vocational education         16         91.4           Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Employment educational mismatch (%)		
Post-TVET employment         67         45.3           Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79		n/a	n/a
Share of TVET occupations         28         69.5           Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Proportion of skilled production workers		
Manufacturing employment (%)         103         21.1           Equity and inclusiveness         32         84           Enrolment in vocational education, gender parity         62         79	Proportion of skilled production workers  Jnemployment rate with vocational education	16	91.4
Equity and inclusiveness 32 84 Enrolment in vocational education, gender parity 62 79	Proportion of skilled production workers  Unemployment rate with vocational education  Post-TVET employment	16 67	91.4 45.3
Enrolment in vocational education, gender parity 62 79	Proportion of skilled production workers  Unemployment rate with vocational education  Post-TVET employment  Share of TVET occupations	16 67 28	91.4 45.3 69.5
	Proportion of skilled production workers  Unemployment rate with vocational education  Post-TVET employment  Share of TVET occupations  Manufacturing employment (%)	16 67 28 103	91.4 45.3 69.5 21.1
	Employment educational mismatch (%)  Proportion of skilled production workers  Unemployment rate with vocational education  Post-TVET employment  Share of TVET occupations  Manufacturing employment (%)  Equity and inclusiveness	16 67 28 103 32	91.4 45.3 69.5 21.1 84

	Rank	Value
HIGHER EDUCATION	25	57.1
Inputs	74	38
Expenditure	64	26.5
Government expenditure per tertiary student	35	18.6
Teaching staff compensation (% tertiary expenditure)	56	34.4
Enrolment	17	49.4
Enrolment in bachelor's or equivalent level (%)	10	43.7
Enrolment in master's, doctoral or equivalent (%)	27	55.1
Resources	n/a	n/a
Pupil-teacher ratio in tertiary education	n/a	n/a
Researchers in higher education (%)	n/a	n/a
Learning environment	8	73.3
•	_	
Diversity and academic freedom	15	73.3
Teachers in tertiary education, gender parity	n/a	n/a
Inbound mobility rate	7	56.8
Academic freedom	24	89.8
Equity and inclusiveness	n/a	n/a
Gross attendance ratio for tertiary education, gender parity	n/a	n/a
Gross attendance ratio for tertiary education, wealth parity	n/a	n/a
Gross attendance ratio for tertiary education, location parity	n/a	n/a
Outputs	18	60.1
Attainment	29	46.9
Educational attainment rate, bachelor's or equivalent	15	58.5
Educational attainment rate, master's or equivalent	45	34
Educational attainment rate, masters or equivalent	19	48.2
Equicational attainment rate, doctoral or equivalent  Employment	31	85.8
		78.7
Labour force participation rate with advanced education	56	
Unemployment rate with advanced education	23	92.9
Impact	36	47.5
University-industry collaboration in R&D	12	68
Citable documents per R&D personnel in higher education	42	27
RESEARCH, DEVELOPMENT AND INNOVATION		
Inputs	34	38.7
Inputs of R&D institutions	37	39.7
GERD (% GDP)	20	32.8
GERD per researcher	n/a	n/a
Researchers per thousand labour force	n/a	n/a
Tertiary graduates from STEM programmes (%)	85	46.6
Inputs of RDI in business enterprises	70	22.7
GERD performed by business enterprises (%)	21	22.7
GERD financed by business enterprises (%)	n/a	n/a
Researchers in business enterprises (%)	n/a	n/a
Firms that spend on R&D (%)	n/a	n/a
	13	52.8
High-skilled employment (%)	10	73.1
Intellectual property payments (% total trade)	42	22.6
State of cluster development	22	62.5
Outputs	15	51.6
Outside of DRD institutions	6	63.6
Outputs of R&D institutions		
Average documents per researcher	n/a	n/a
Average documents per researcher	n/a	n/a
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP)	n/a 12	n/a 67.9
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises	n/a 12 40 32	n/a 67.9 59.2 38.1
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)	n/a 12 40 32 33	n/a 67.9 59.2 38.1 27.6
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)	n/a 12 40 32 33 44	n/a 67.9 59.2 38.1 27.6 63.3
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP)	n/a 12 40 32 33 44 29	n/a 67.9 59.2 38.1 27.6 63.3 23.4
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%)	n/a 12 40 32 33 44 29 n/a	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation	n/a 12 40 32 33 44 29 n/a 40	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP)	n/a 112 40 32 33 44 29 n/a 40 32	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation	n/a 12 40 32 33 44 29 n/a 40	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP)	n/a 112 40 32 33 44 29 n/a 40 32	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)	n/a 12 40 32 33 44 29 n/a 40 32 61	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)	n/a 12 40 32 33 44 29 n/a 40 32 61	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31
Average documents per researcher Citations per document Resident patent applications (per 100 billion GDP) Outputs of RDI in business enterprises Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP) PCT applications (per 100 billion GDP) Firms producing new products and services (%) Outputs of societal innovation Trademark applications (per 100 billion GDP) Cultural goods exports (% exports) Printing and publishing output (% manufactured output) Impact	n/a 12 40 32 33 44 29 n/a 40 32 61 22	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Ouality  Research institutions prominence	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Quality  Research institutions prominence  Growth of innovative companies	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7 43.9 69.3 60.4
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Quality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)	n/a 112 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Quality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Ouality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28	n/a 67.9 59.2 38.1 27.6 63.3 23.4 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5 37.3
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Quality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Ouality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28	n/a 67.9 59.2 38.1 27.6 63.3 23.4 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5 37.3
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade)  Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Ouality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)  Linkages  GERD financed from abroad (%)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28 18 n/a	n/a 67.9 59.2 38.1 27.6 63.3 23.4 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5 37.3 n/a
Average documents per researcher  Citations per document  Resident patent applications (per 100 billion GDP)  Outputs of RDI in business enterprises  Intellectual property receipts (% total trade) Industrial design applications (per 100 billion GDP)  PCT applications (per 100 billion GDP)  Firms producing new products and services (%)  Outputs of societal innovation  Trademark applications (per 100 billion GDP)  Cultural goods exports (% exports)  Printing and publishing output (% manufactured output)  Impact  Ouality  Research institutions prominence  Growth of innovative companies  ISO 9001 quality certificates (per billion GDP)  ISO 14001 environmental certificates (per billion GDP)  Linkages  GERD financed from abroad (%)  Joint ventures per strategic alliance deals (per billion GDP)	n/a 12 40 32 33 44 29 n/a 40 32 61 22 3 14 8 19 39 28 18 n/a 13	n/a 67.9 59.2 38.1 27.6 63.3 23.4 n/a 41 23.8 68.3 31 50.7 43.9 69.3 60.4 19.5 26.5 37.3 n/a 53.1



## **AUSTRALIA**

	Rank	Valu
INFORMATION AND COMMUNICATIONS TECHNOLOGY	30	64.6
Infrastructure	26	71
Coverage	8	80.6
3G/4G mobile network coverage (% population)	36	99.4
Secure Internet servers per 1 million population	18	84.2
Investment in telecommunication services (% GDP)	8	58.2
Quality	43	40.7
Mobile upload and download speeds	20	36
Fixed-broadband upload and download speeds	74	18.1
Fixed-broadband subscriptions by speed per hundred people	33	67.9
Affordability	30	91.6
Fixed broadband basket (% GNI per capita)	39	76.8
Mobile broadband basket (% GNI per capita)	25	98
Internet and telephony competition	1	100
Access	32	57.2
Subscriptions	25	71.4
Active mobile-broadband subscriptions per hundred inhabitants	19	62.1
International Internet bandwidth per user	80	55.2
Households with Internet access at home (%)	12	97
Skills and employment	36	43
Individuals with standard ICT skills (%)	n/a	n/a
Tertiary graduates from ICT programmes (%)	38	35.8
ICT employment (%)	31	50.2
Usage	29	65.5
Services	27	65.5
Government online services	13	92.2
Fixed broadband Internet traffic per subscription	23	49.6
Mobile broadband Internet traffic per subscription	48	25.8
internet users (%)	22	94.3
Outcomes	26	65.6
ICT PCT patent applications (per 100 billion GDP)	27	65
E-participation	20	86.3
Internet activities by individuals (%)		78.4
internet activities by individuals (70)	19	
	19 72	32.8
Trade in digitally deliverable services (% total trade)		
Trade in digitally deliverable services (% total trade)	72	32.8
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness	72	32.8 67.1
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment	72 17 2	32.8 67.1 78.8
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)	72 17 2 9 62	32.8 67.1 78.8 67.9 40.7
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance	72 17 2 9 62	32.8 67.1 78.8 67.9 40.7 67.5
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity	72 17 2 9 62 17	32.8 67.1 78.8 67.9 40.7 67.5 70.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control	72 17 2 9 62 17 17 8	32.8 67.1 78.8 67.9 40.7 67.5 70.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility	72 17 2 9 62 17 17 8	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business	72 17 2 9 62 17 17 8 3 6	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business	72 17 2 9 62 17 17 8	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate	72 17 2 9 62 17 17 8 3 6	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate	72 17 2 9 62 17 17 8 3 6	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency	72 17 2 9 62 17 17 8 3 6 14	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness	72 17 2 9 62 17 17 8 3 6 14 5	32.8 67.1 78.8 67.9 40.7 67.5 70.3 89.7 96.6 89.9 72.3 100
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification	72 17 2 9 62 17 17 8 3 6 14 5 1	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)	72 17 2 9 62 17 17 8 3 6 14 5 1	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)	72 17 2 9 62 17 17 8 3 6 14 5 1 3 8	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration	72 17 2 9 62 17 17 8 3 6 14 5 1 1 38 106 115 52	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6
Frade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Fransport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Frade and diversification  Frade (% GDP)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Peroduct concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  ECONOMIC openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 666	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  ECONOMIC openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 100
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  ECONOMIC openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 666	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 100
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 1 29	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 100 40.6 100 60.2
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 40.6 100 60.2 65.2
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  ECONOMIC openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)  MSME financing gap (% GDP)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 60.2 65.2 51.5
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)  MSME financing gap (% GDP)  Tax and contribution rate (% profit)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34 11 n/a	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 100 40.6 100 60.2 65.2 51.5 n/a
Trade in digitally deliverable services (% total trade)  ECONOMY  ECONOMY  ECONOMIC competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)  MSME financing gap (% GDP)  Tax and contribution rate (% profit)  Bank non-performing loans (%)	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34 11 n/a 110 8	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6 100 60.2 65.2 51.5 n/a 47 97
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)  MSME financing gap (% GDP)  Tax and contribution rate (% profit)  Bank non-performing loans (%)  Domestic value added	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34 11 n/a 110 8 42	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6 100 60.2 65.2 51.5 n/a 47 97 55.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment  Gross fixed capital formation (% GDP)  Logistics performance  Transport productive capacity  Building quality control  Business agility  Ease of starting a business  Insolvency recovery rate  Entrepreneurial employee activity rate  Extent of corporate transparency  Economic openness  Trade and diversification  Trade (% GDP)  High-technology trade (% total trade)  Product concentration  Market concentration  Market concentration  Financial openness  Chinn-Ito financial openness  Chinn-Ito financial openness  Foreign direct investment, net inflows (% GDP)  Debt dynamics  Financing and domestic value added  Financing and taxes  Domestic credit to private sector (% GDP)  MSME financing gap (% GDP)  Tax and contribution rate (% profit)  Bank non-performing loans (%)  Domestic value added  Medium- and high-tech activities value added	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34 11 n/a 110 8 42 48	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6 100 60.2 65.2 51.5 n/a 47 97 55.3 31.3
Trade in digitally deliverable services (% total trade)  ECONOMY  Economic competitiveness  Infrastructure investment	72 17 2 9 62 17 17 8 3 6 14 5 1 38 106 115 52 92 109 14 1 66 1 29 34 11 n/a 110 8 42	32.8 67.1 78.8 67.9 40.7 67.5 70.3 93.3 89.7 96.6 89.9 72.3 100 62.1 44.1 8.3 21.3 68.6 78.1 80.2 100 40.6 100 60.2 65.2 51.5 n/a 47 97 55.3

	Rank	Rank Value	
ENABLING ENVIRONMENT	17	76	
Governance	9	90.3	
Political environment	12	87.4	
Peace and stability	13	81.6	
Voice and accountability	14	93.2	
Quality of institutions	12	93.1	
Rule of law	15	91	
Control of corruption	11	95.3	
Government effectiveness	13	92.9	
Socio-economic	25	72.3	
Gender equity	22	82	
Female-to-male ratio in parliament	33	61.3	
Female-to-male labour force participation	36	85.9	
Female-to-male ratio in Internet usage	51	99	
Social inclusion	20	90.3	
Social protection coverage (% population)	28	93.8	
Adult literacy rate	n/a	n/a	
Youth not in employment, education or training (%)	22	86.7	
Standard of living	56	44.5	
Poverty headcount ratio (% population)	n/a	n/a	
GDP per capita	18	44.5	
Health and environment	59	65.5	
Health	9	91.6	
Universal health coverage	9	86.8	
Healthy life expectancy (years)	12	89.5	
Under-five mortality rate	25	98.4	
Environmental performance	129	39.4	
Renewable energy consumption (%)	104	12.8	
Ecological footprint per capita	123	52.5	
Natural hazard exposure	103	53	

<sup>\*</sup> All values are normalized to a scale from 0 (worst) to 100 (best).