



FINLAND



Population: 5,537,364 | GDP: \$242 billion | Language(s): Finnish, Swedish | Unicorns 2009-2018: 1



What did Finland do right?

In addition to earning high scores in Freedom and Resilience, the country boasts high-quality infrastructure and produced one unicorn in the past 10 years. Also, ridesharing companies operate under basic requirements for drivers, and short-term rentals are allowed without regulations.

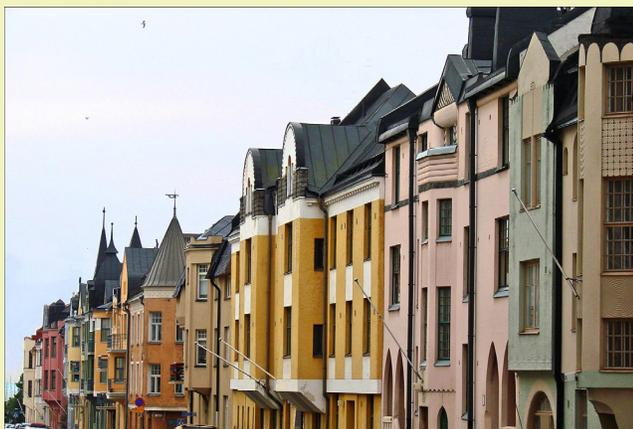


What can Finland do better?

Finland can develop consistent drone rules across all levels of government and decrease its top individual tax rate, which dropped its Tax Friendliness grade from a B to a C-.

KEY TAKEAWAYS

Finland is an Innovation Champion for the second consecutive year, promoting a range of emerging technologies.



Credit: Jean-Pierre Dalbera, Flickr

Finnish traffic laws allow for registered self-driving vehicle (SDV) testing, and the country's traffic authority actively lauds the potential benefits of the technology.

While many countries require a driver to be present behind the wheel of an SDV, Finland allows drivers to control self-driving vehicles remotely, from nearby locations.

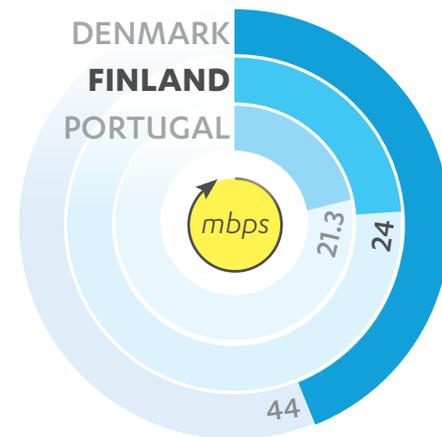
Knocking down other barriers to progress, Finland has joined other countries in relaxing traditional taxi licensing requirements and extending softer rules to ridesharing services to better integrate them into the national transportation system.

When it comes to drones, however, Finnish regulators take a more restrictive approach. The country lacks designated drone testing areas, requires hefty insurance for all commercial drones over 20 kilograms (approximately 44 pounds) and mandates that all individual drone operators register with the government.

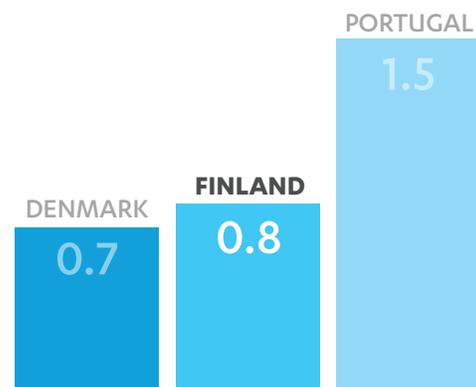
Finland also subjects online streaming services such as Netflix to a value-added tax.

Sources: (TRAFI) (The Guardian) (LVM)

Mean Download Speed (Fixed & Mobile)



Fixed Broadband Cost Per Month



Shown as a percentage of gross monthly income per capita



Broadband

The mean download speed of fixed and mobile internet is fast at 24 Mbps. The monthly cost of fixed broadband is 0.80 percent of GNI per capita and mobile broadband is 0.20 percent of GNI per capita.



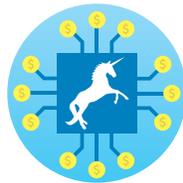
R&D Investment

The country spends 2.7 percent of its GDP on research and development.



Self-Driving Vehicles

Testing of self-driving vehicles is permitted with a human backup driver behind the wheel. Finland's overall grade improved to an A from a C in 2018.



Unicorns

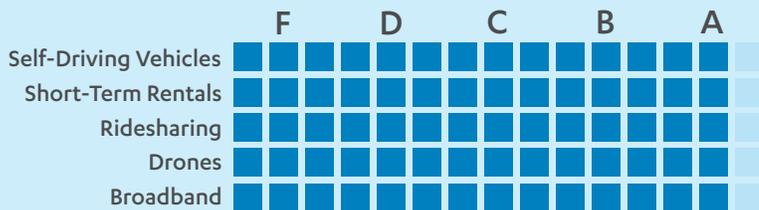
The country produced one unicorn between 2009 and 2018.



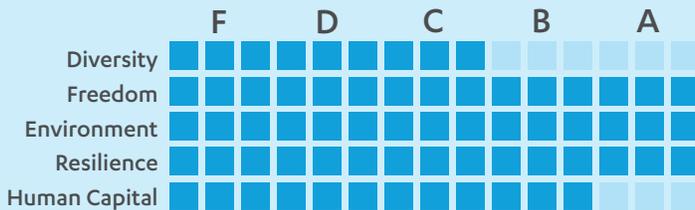
Human Capital

45.4 percent of Finland's workers are highly skilled, a slight increase from 45 percent in 2018, and the country awarded 33.3 percent of its college degrees in STEM fields, an increase from 27.5 percent in 2018.

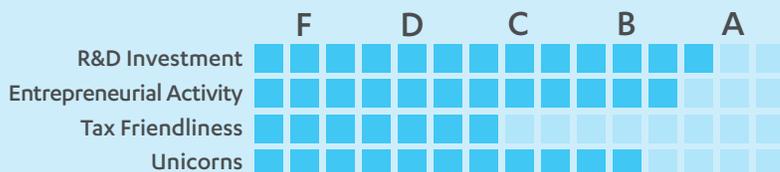
Technology



Society



Economy



ABOUT THE SCORECARD

With the 2019 International Innovation Scorecard, the Consumer Technology Association expands the report in breadth and depth, adding 23 new countries and two new categories. In this second edition, we evaluate 61 countries and the European Union across 28 indicators to determine whether they stifle progress or fuel the fires of innovation.

Each country on the Scorecard ranks in one of four tiers: Innovation Champions excel in almost all areas, followed by Innovation Leaders, which earn high scores in most. Behind the Leaders are Innovation Adopters, which promote innovation in some areas but not others. Finally, Modest Innovators may support innovation in one or more areas, but they show the greatest room for improvement.

ABOUT CTA

The Consumer Technology Association (CTA)[™] is the preeminent trade organization representing the \$398 billion U.S. consumer technology industry, which supports more than 15 million jobs. CTA serves over 2,200 companies, ranging from the startups and small businesses that make up 80 percent of its membership to some of the world's best-known brands. CTA also owns and produces CES[®], the world's premier gathering for consumer technology and the innovators who turn today's dreams into tomorrow's realities. Profits from CES are reinvested into CTA's industry services.

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