



# KAZAKHSTAN



Population: 18,744,548 | GDP: \$478.6 billion | Language(s): Kazakh, Russian | Unicorns 2009-2018: 1



## What did Kazakhstan do right?

The country's individual marginal tax rate is one of the lowest on the Scorecard at 10 percent, and Kazakhstan does not tax streaming services. The country also has one of the best levels of gender parity among workers ages 25-54.

## What can Kazakhstan do better?

Kazakhstan can increase spending on research and development. The country could also combat corruption and improve its IT infrastructure to boost its resilience, and create welcoming drone policies to promote commercial and recreational use.

## KEY TAKEAWAYS



Credit: Minaras, Wikimedia Commons

Making its Scorecard debut as an Innovation Adopter, Kazakhstan has several unclear federal rules which restrict its ability to nurture innovation.

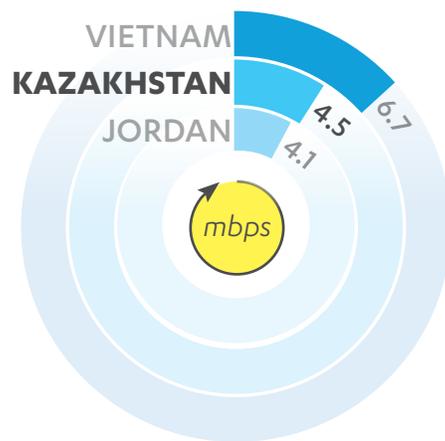
Kazakhstan currently spends only 0.1 percent of its gross domestic product on research and development—one of the lowest shares on the Scorecard. And while the country is resistant to oil shocks, its information technology infrastructure is weak and corruption is high, contributing to a C+ in Resilience.

Kazakh regulators take a muted approach to emerging technologies. Ridesharing is legal and operational, but rules require drivers to register with the government prior to employment. The country's housing rules do not explicitly mention short-term rentals, but its tax code dictates that hosts will be treated as entrepreneurs and must register as such online.

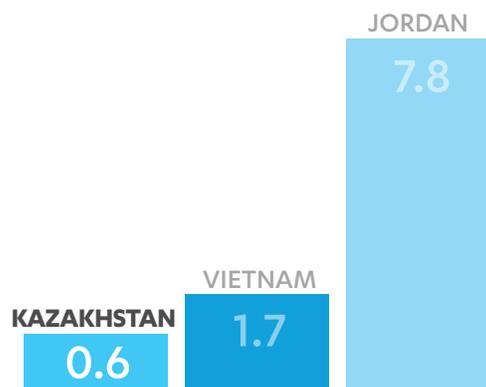
While Kazakhstan permits recreational drones—once operators meet strict licensing requirements—the country's commercial drone sector is non-existent.

Sources: (eLicense) (Ministry of Foreign Affairs) (Zakon)

## Mean Download Speed (Fixed & Mobile)



## Fixed Broadband Cost Per Month



Shown as a percentage of gross monthly income per capita



### Short-Term Rentals

The country's tax code requires short-term rental hosts to register online with their state revenue body as an individual entrepreneur.



### Broadband

The mean download speed of fixed and mobile internet is slow at 4.5 Mbps. The monthly cost of fixed broadband is 0.60 percent of GNI per capita, and prepaid mobile broadband is 0.50 percent of GNI per capita.



### Environment

Air quality nearly meets the WHO's standard, and about 91 percent of the population has access to clean and protected water sources.



### Human Capital

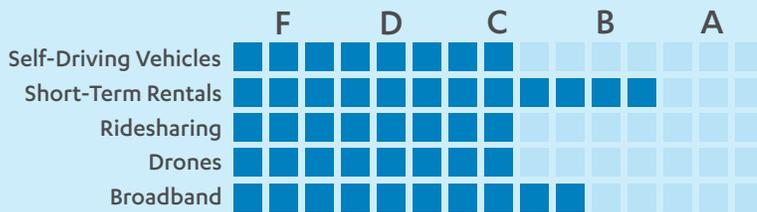
33.6 percent of Kazakhstan's workers are highly skilled, and the country awarded 25.7 percent of its college degrees in STEM fields.



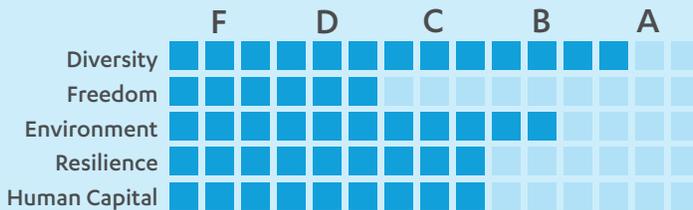
### Resilience

Although Kazakhstan is resistant to oil shocks, its IT infrastructure is weak and corruption is high.

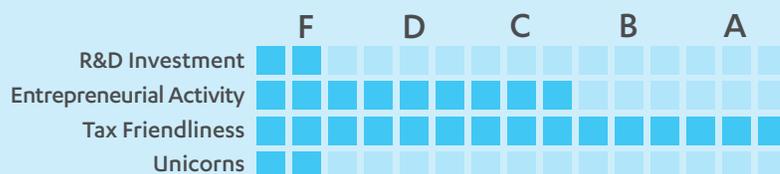
## Technology



## 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)<sup>™</sup> 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<sup>®</sup>, 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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