

Assessing the Competitiveness of Austrian, Brazilian, Chilean, Colombian, German, Hungarian, Italian, Mexican, Peruvian, Polish, Swedish, and U.S. Regions:

The Transatlantic and Latin American Subnational Innovation Competitiveness Indices (TASICI & LASICI)

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Purpose

- Long-term economic growth depends on subnational innovation ecosystems
- 
- Quantify subnational strengths and weaknesses
 - Targeted policymaking
 - Promote international competitiveness and partnerships



Transatlantic Subnational Innovation Competitiveness Index 2.0

VIKTOR LAZAR, STEPHEN EZELL, AXEL PLÜNNECKE, STEFANO DA EMPOLI, BARBARA KOLM, ANDREAS LARSSON, JAN HAGEMEJER, AND AMANDA JOHANSSON | SEPTEMBER 2023

For policymakers to bolster the global competitiveness of their nations and regions, they first must know where they stand. This report benchmarks the 121 regions of Austria, Germany, Hungary, Italy, Poland, Sweden, and the United States using 13 commonly available indicators of strength in the knowledge economy, globalization, and innovation capacity.



Latin American Subnational Innovation Competitiveness Index

VIKTOR LAZAR, IAN TUFTS, STEPHEN EZELL, CAROLINA AGURTO, ALVARO MONGE, GERMAN LOPEZ, VLADIMIR MACIEL, PABLO EGUIGUREN | SEPTEMBER 2023

The Latin American Subnational Innovation Competitiveness Index ("LASICI") ranks the innovation competitiveness of the 182 regions of Brazil, Chile, Colombia, Mexico, Peru, and the United States on 13 commonly available indicators. The report provides a comparative assessment of these regions' innovation performance and offers policymakers a guide to bolstering the innovation capacity of their nations and regions.

Indicators

Knowledge Economy (31%)

- Highly Educated Population
- Skilled Immigration
- Professional, Technical, Scientific (PTS) Employment
- Manufacturing Labor Productivity

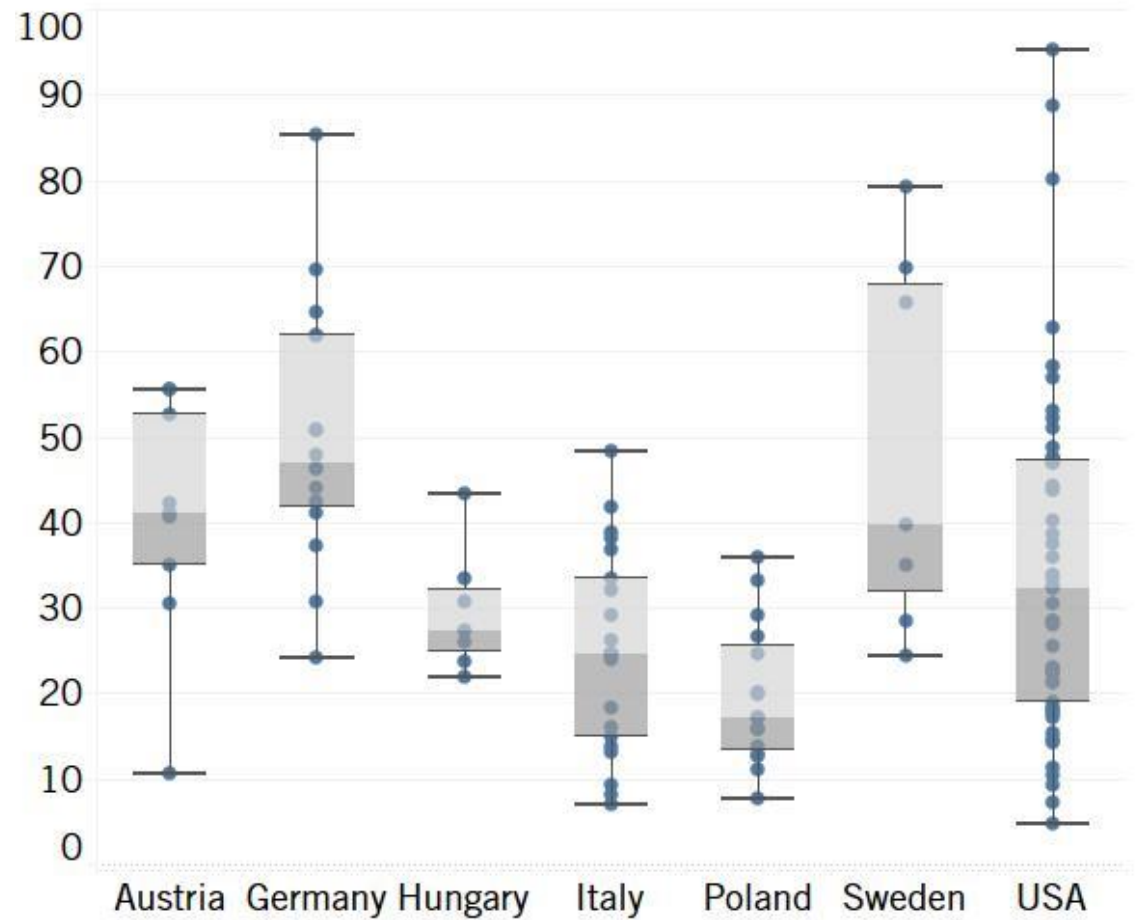
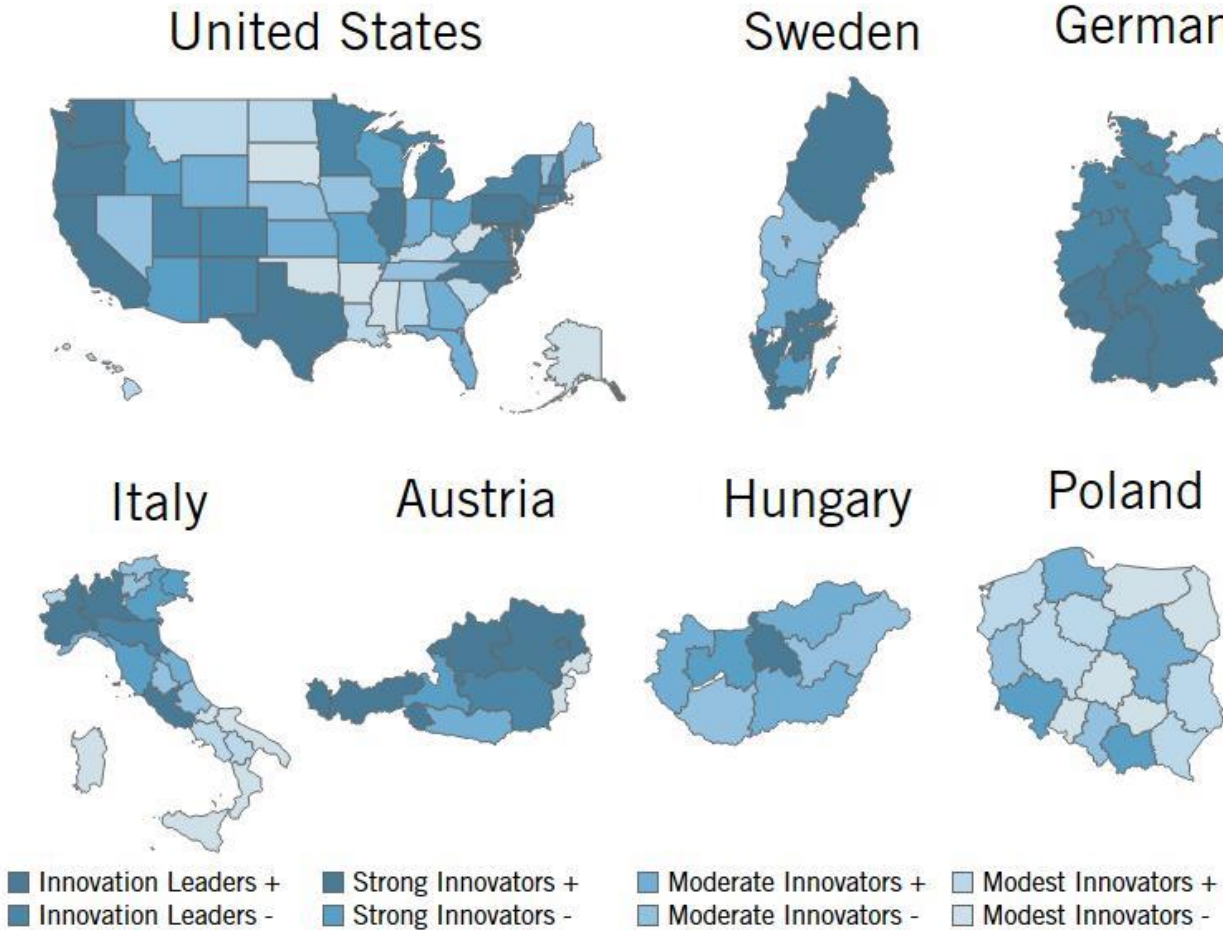
Globalization (13%)

- High-Tech Exports
- Inward Foreign Direct Investment

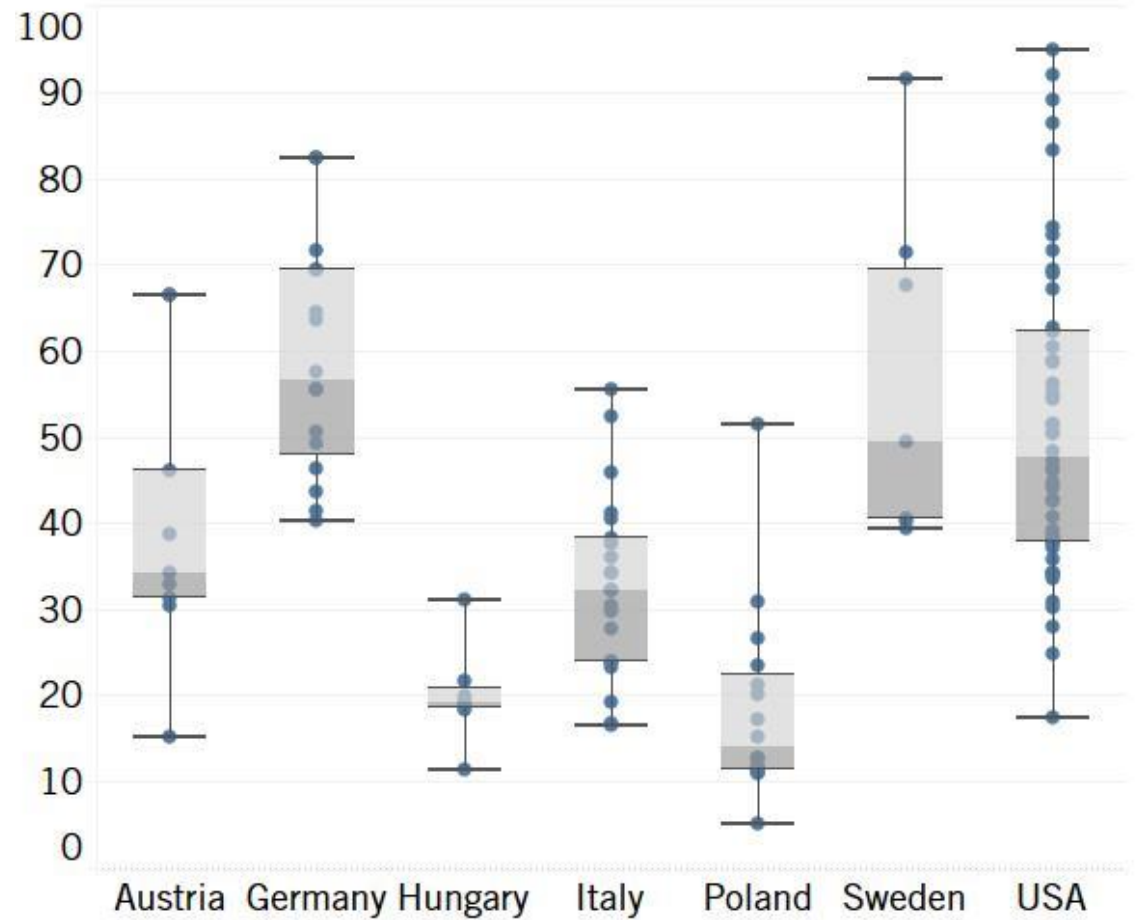
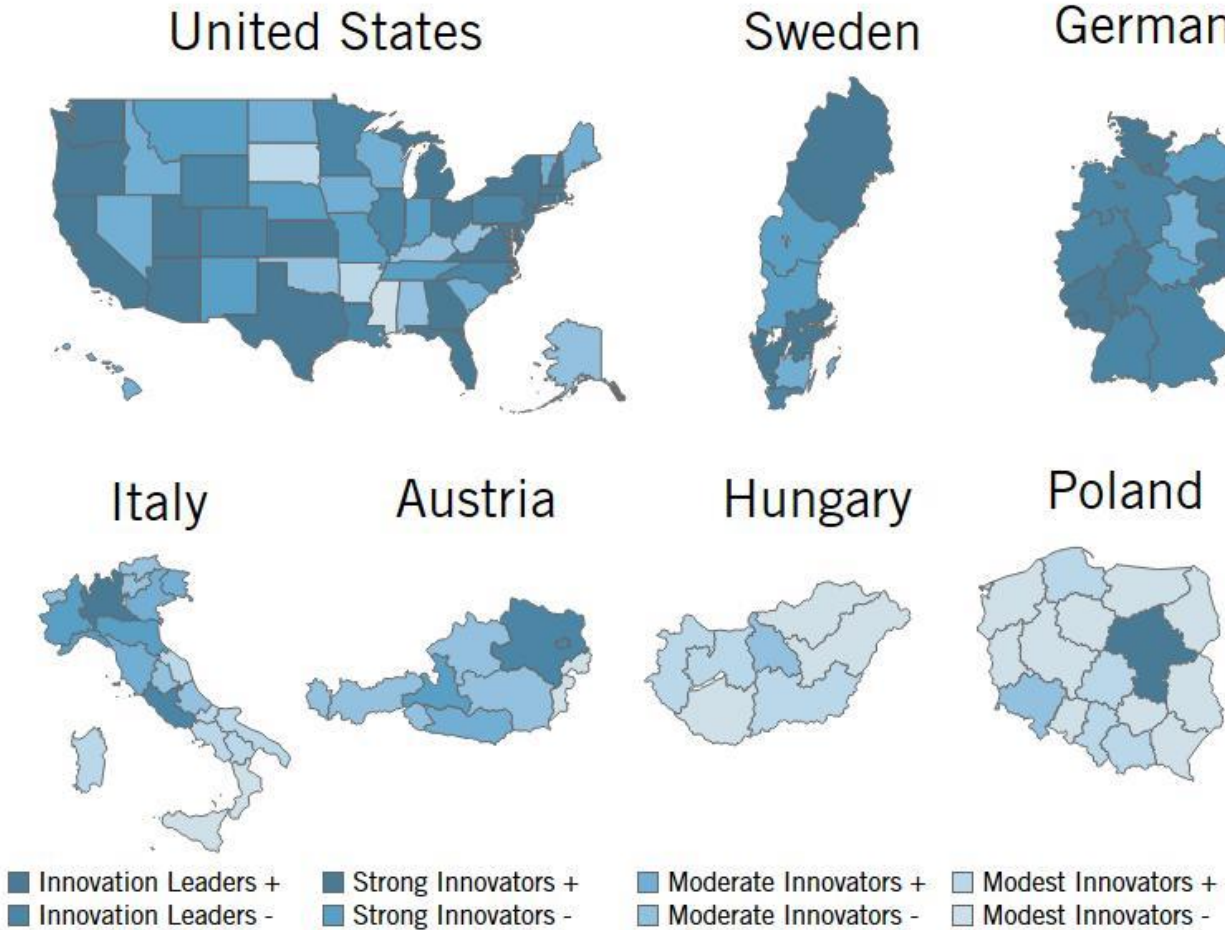
Innovation Capacity (56%)

- Broadband Access
- R&D Intensity
- R&D Personnel
- Patent Applications
- Business Creation
- Carbon Efficiency
- Venture Capital

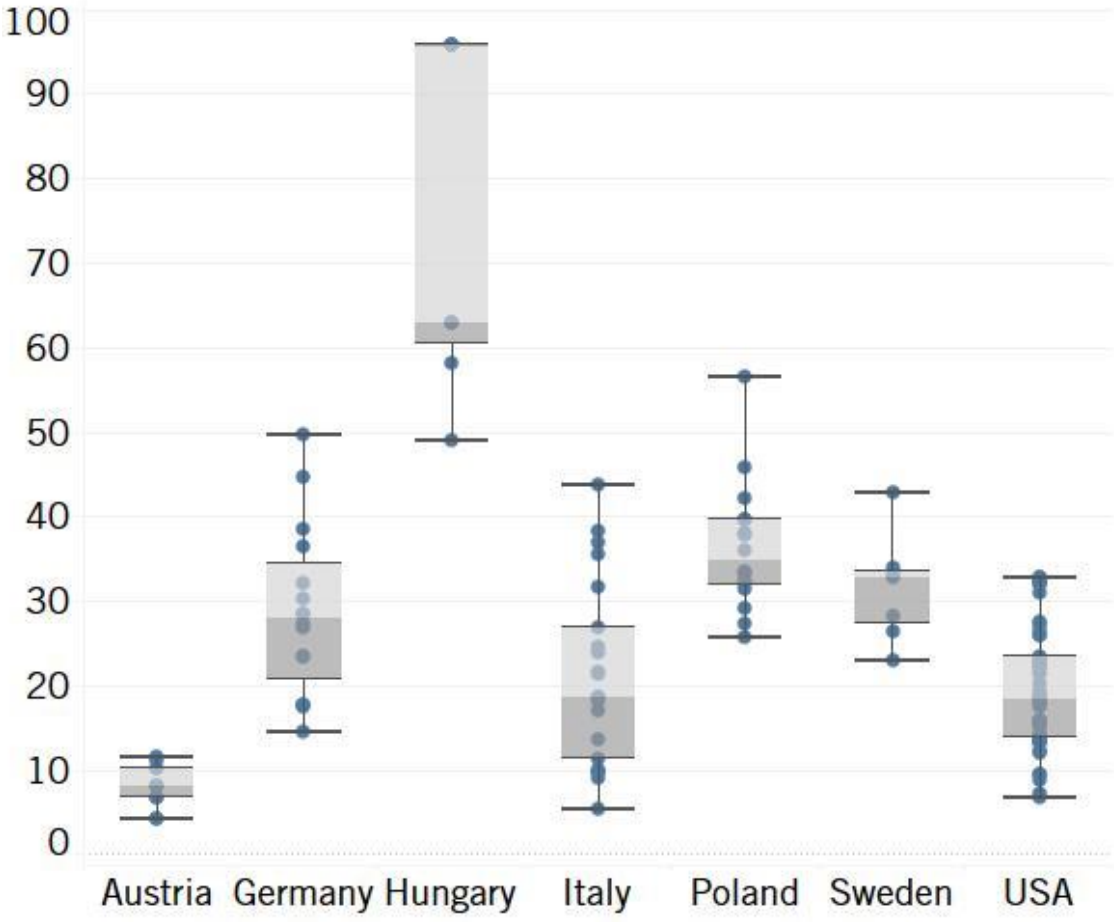
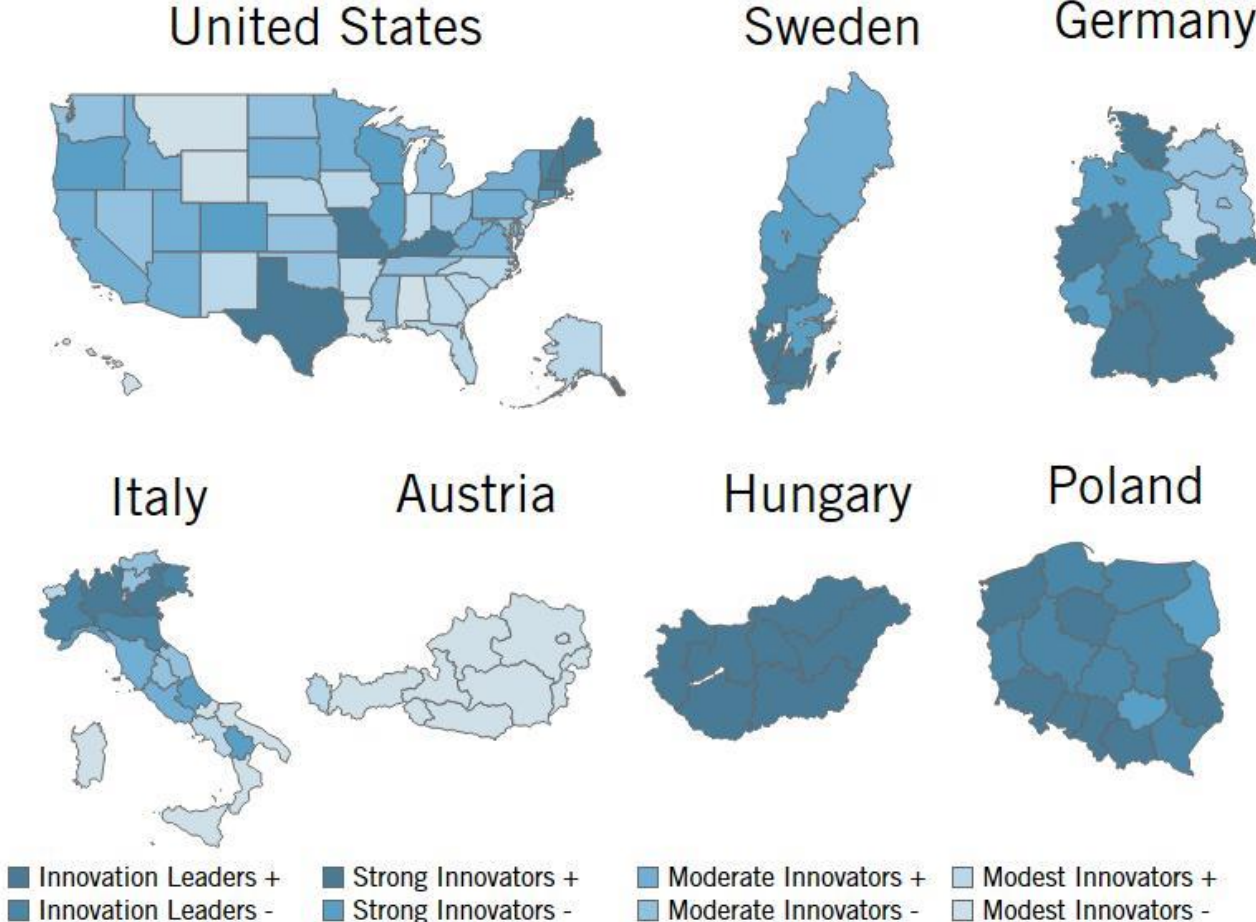
TASICI Results



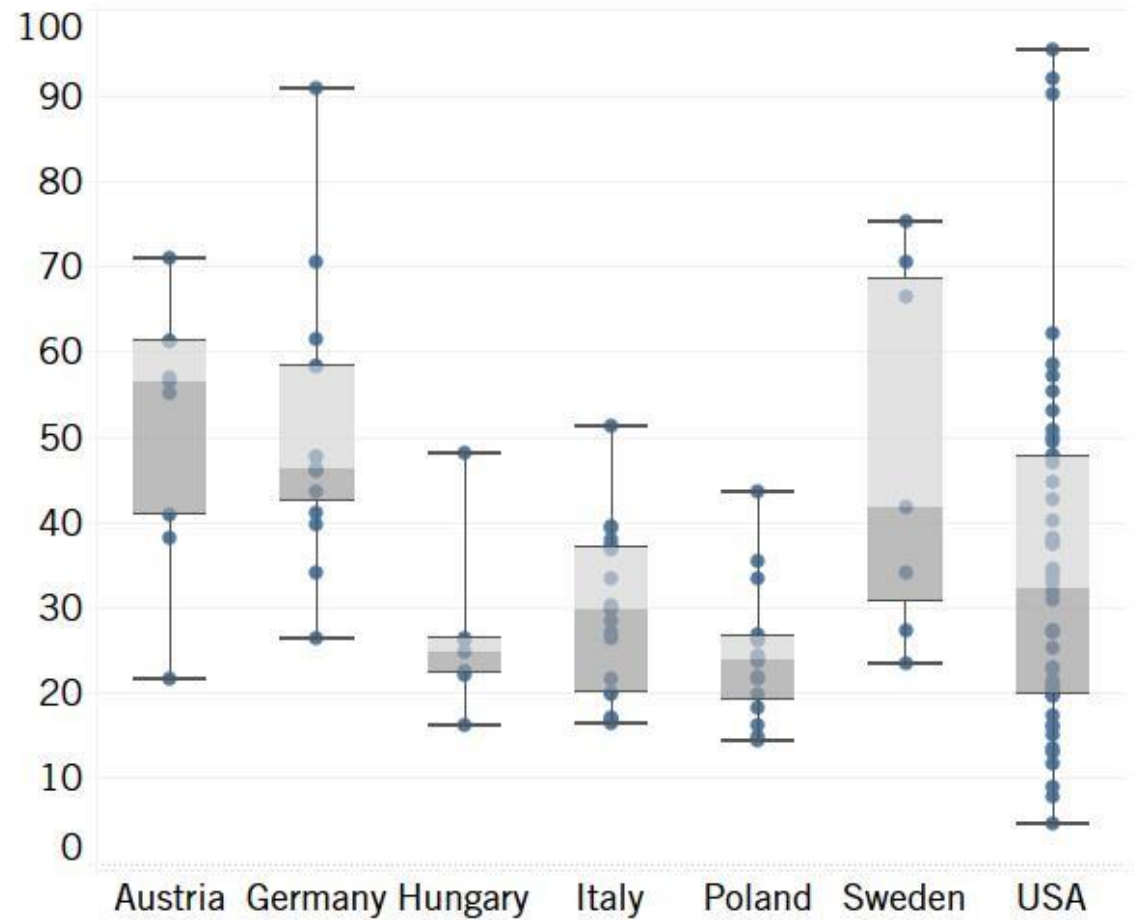
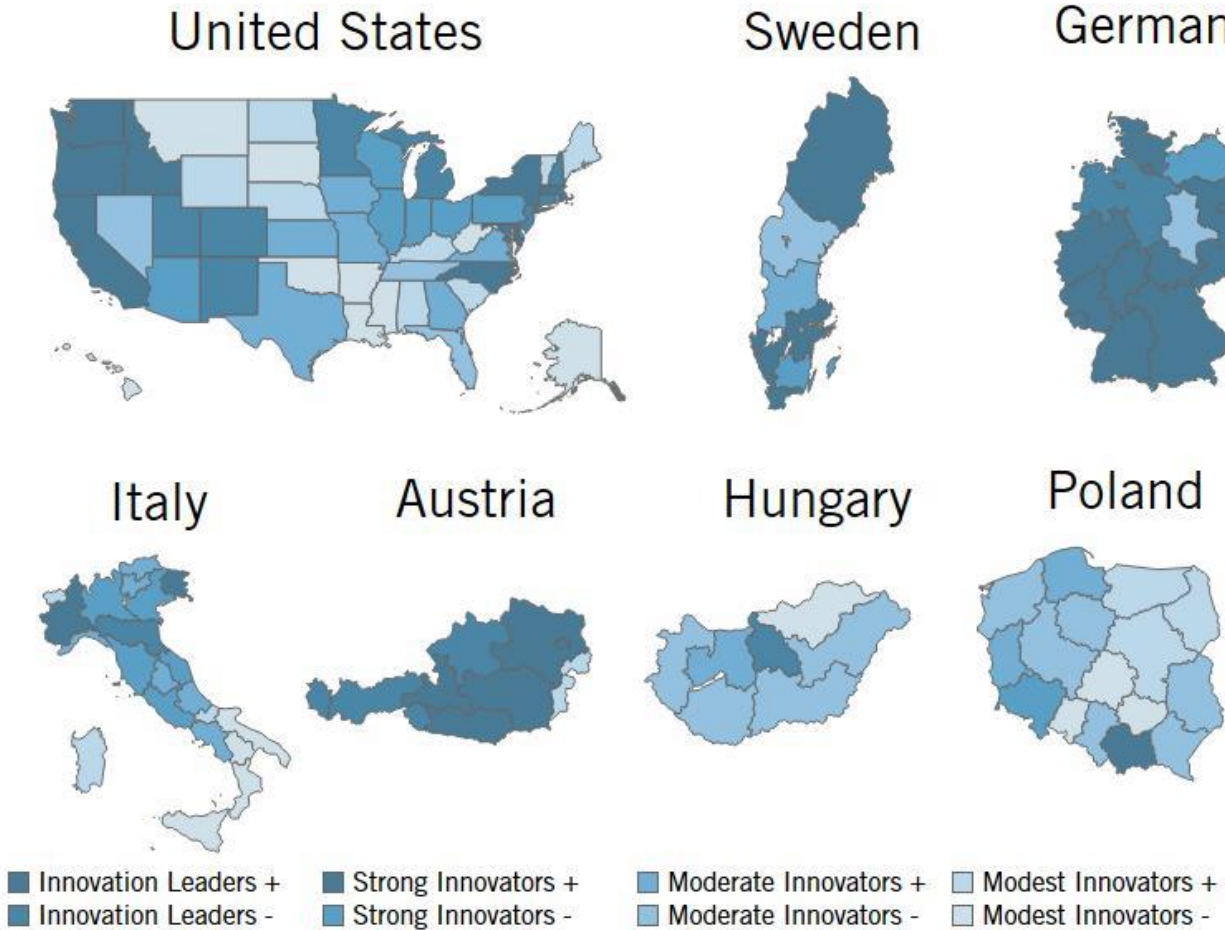
TASICI Knowledge Economy Scores



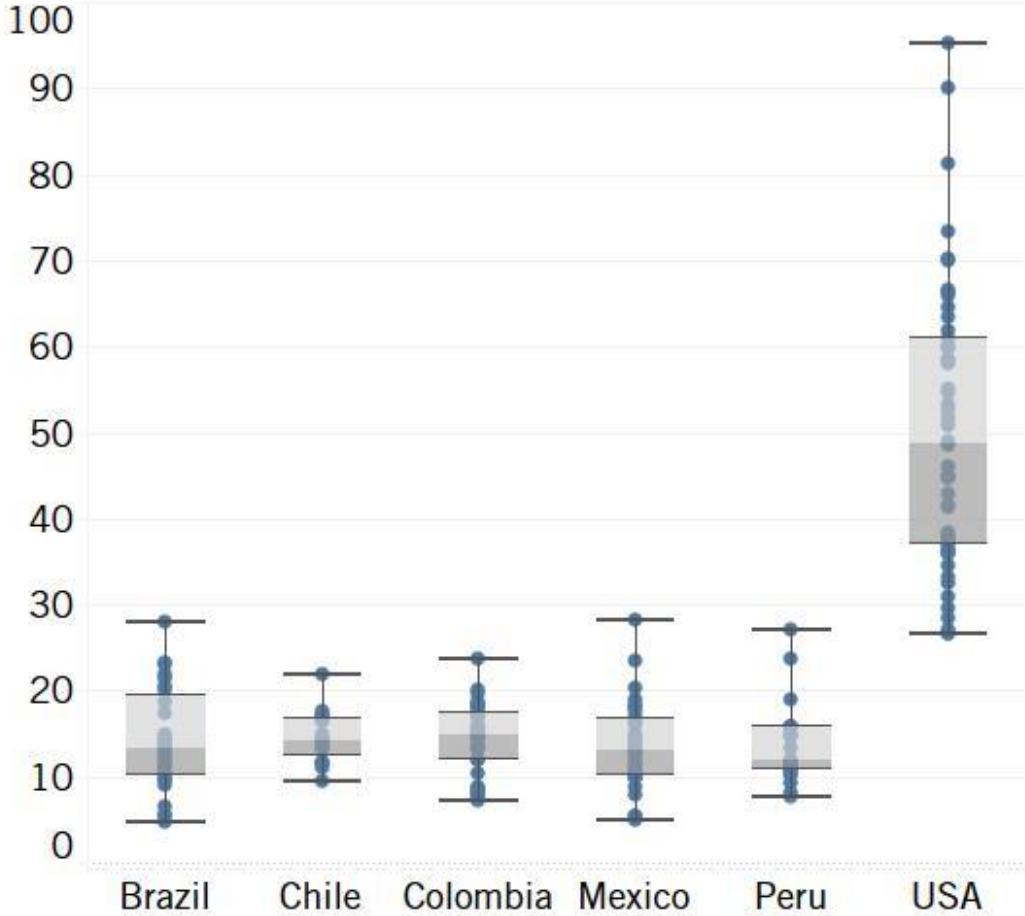
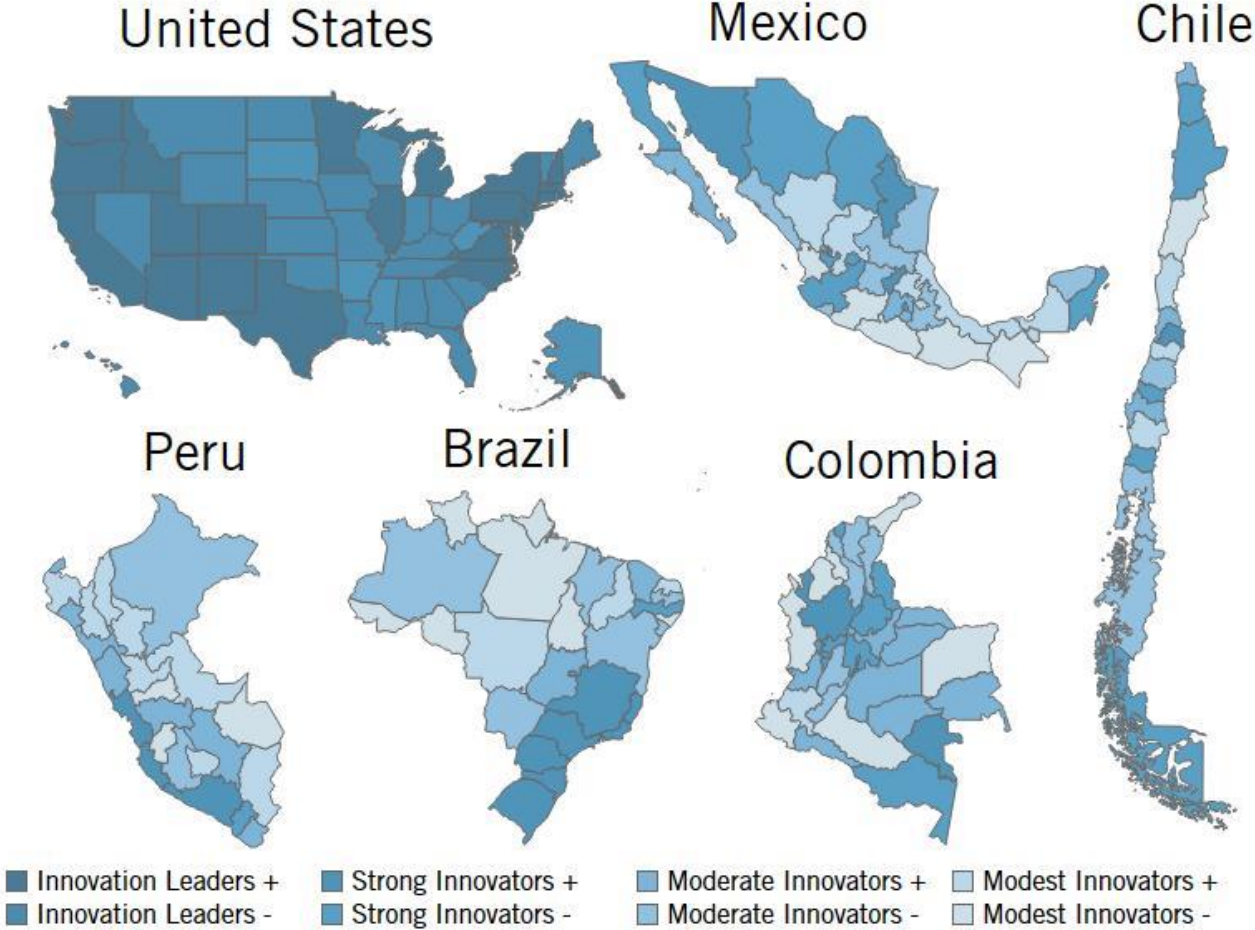
TASICI Globalization Scores



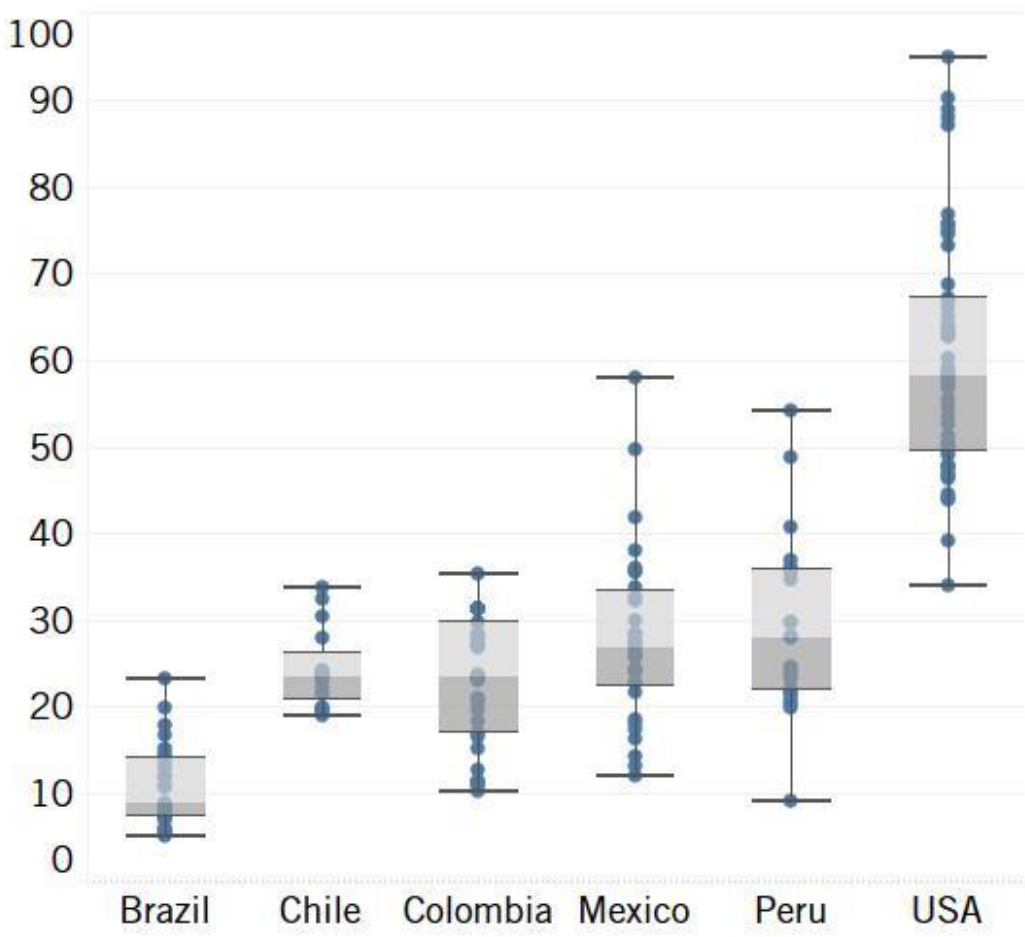
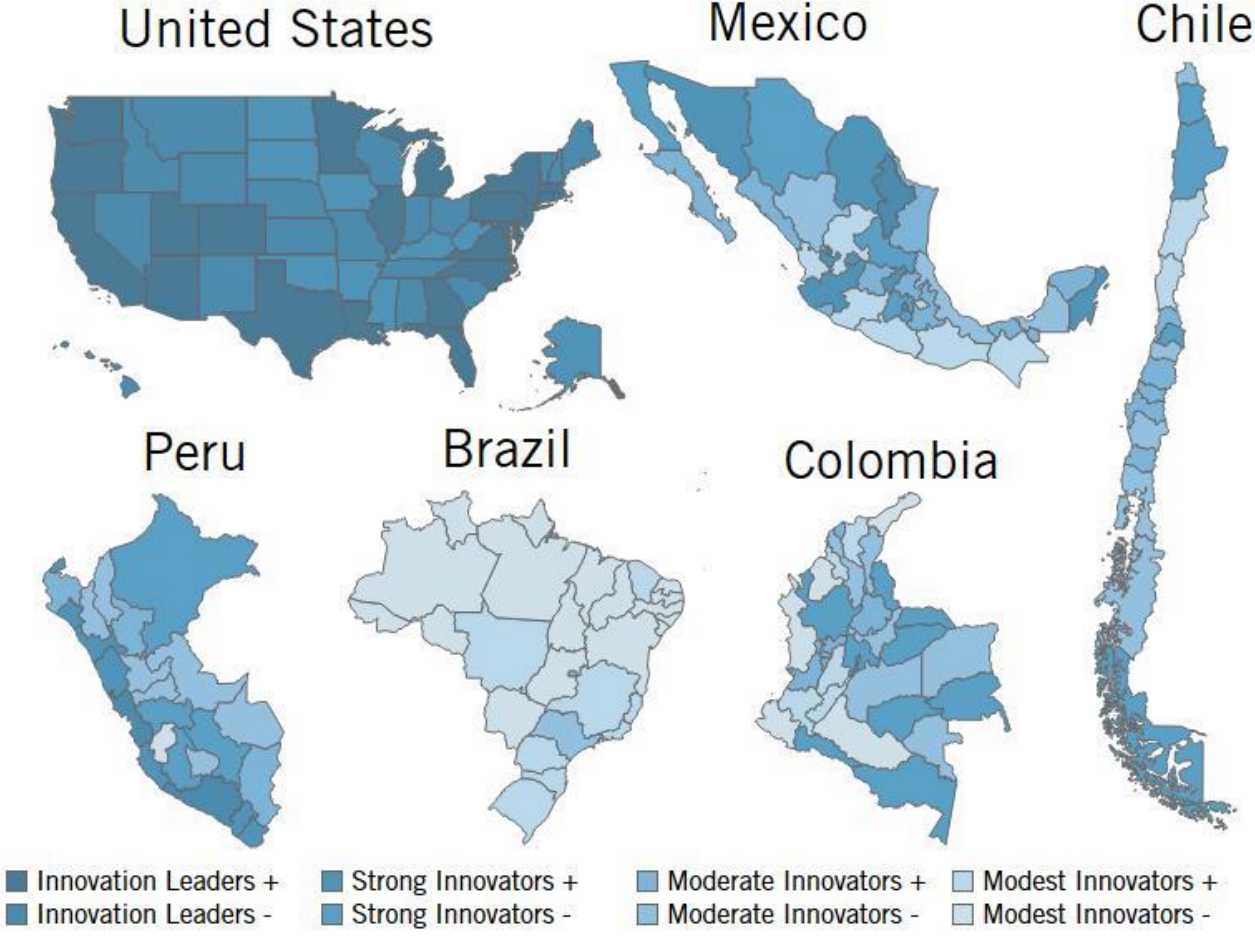
TASICI Innovation Capacity Scores



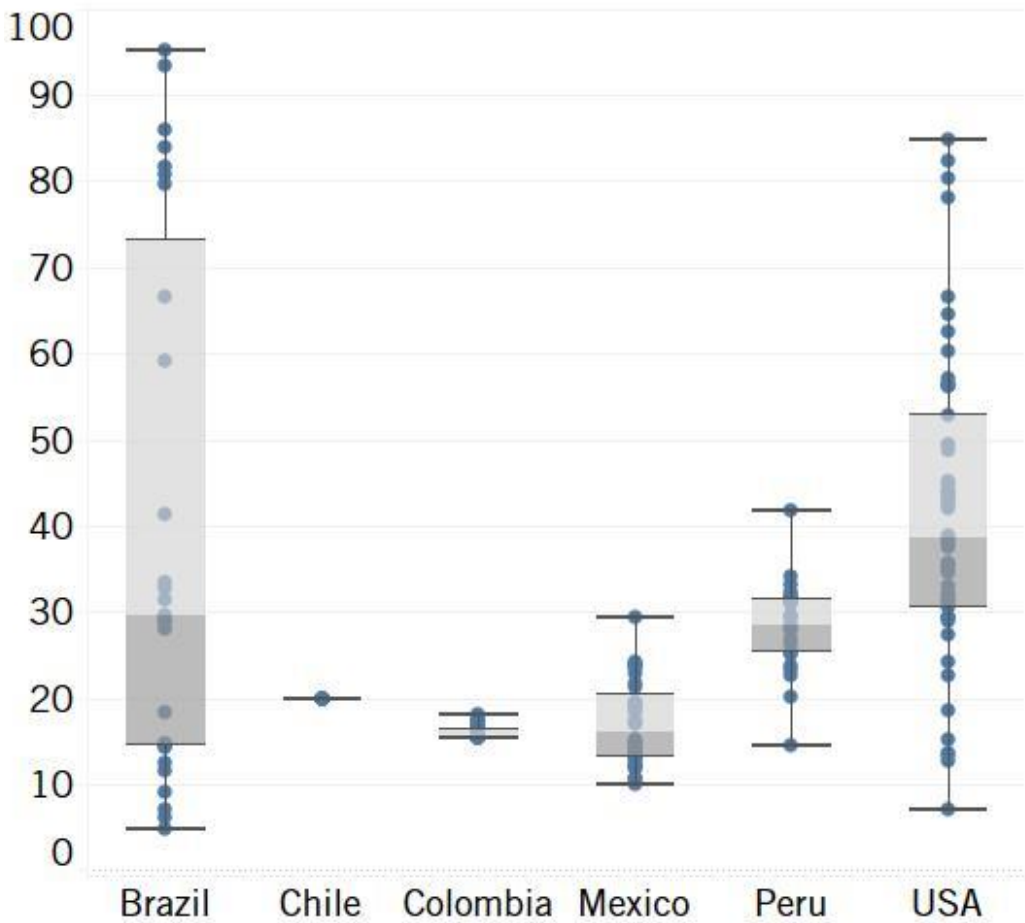
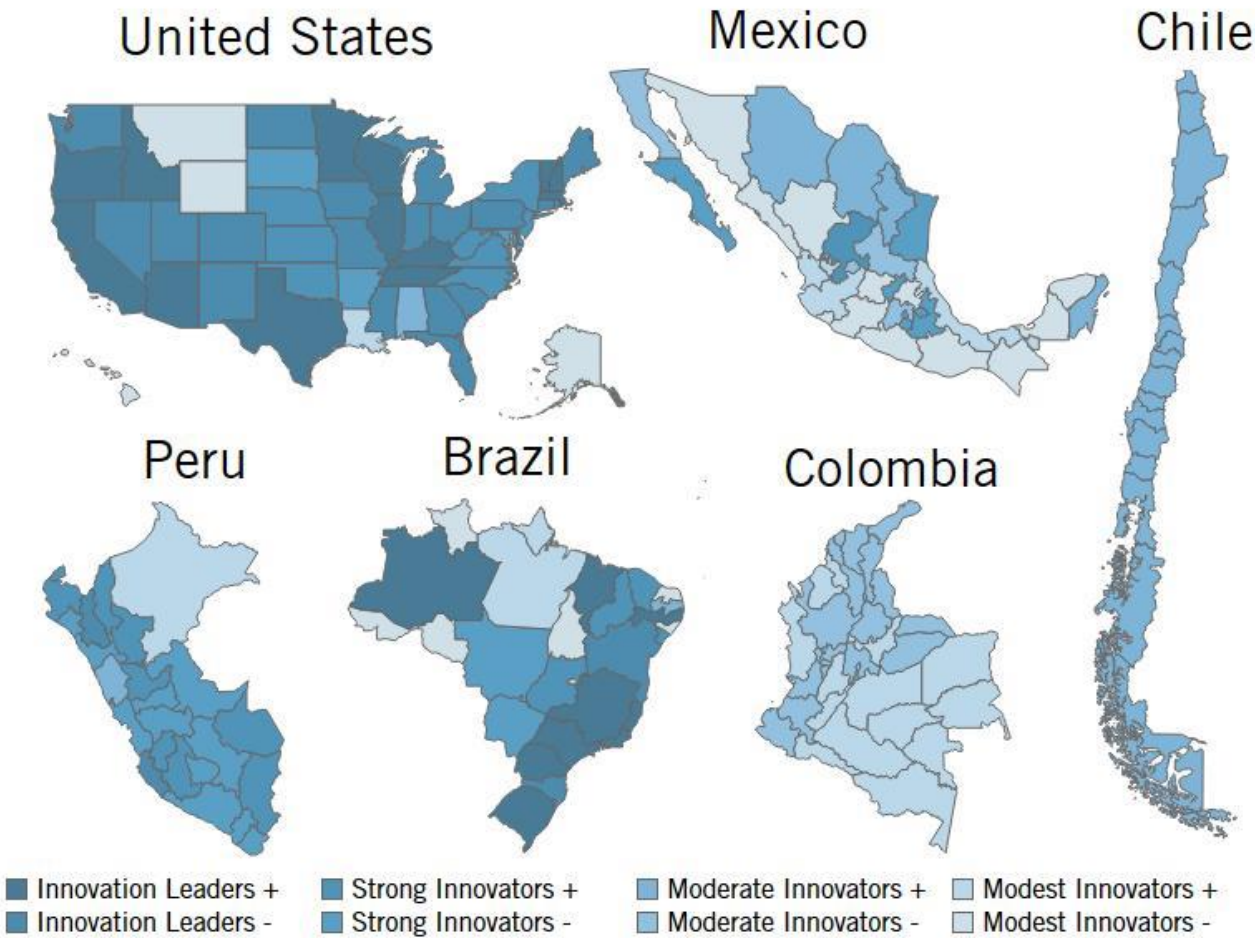
LASICI Results



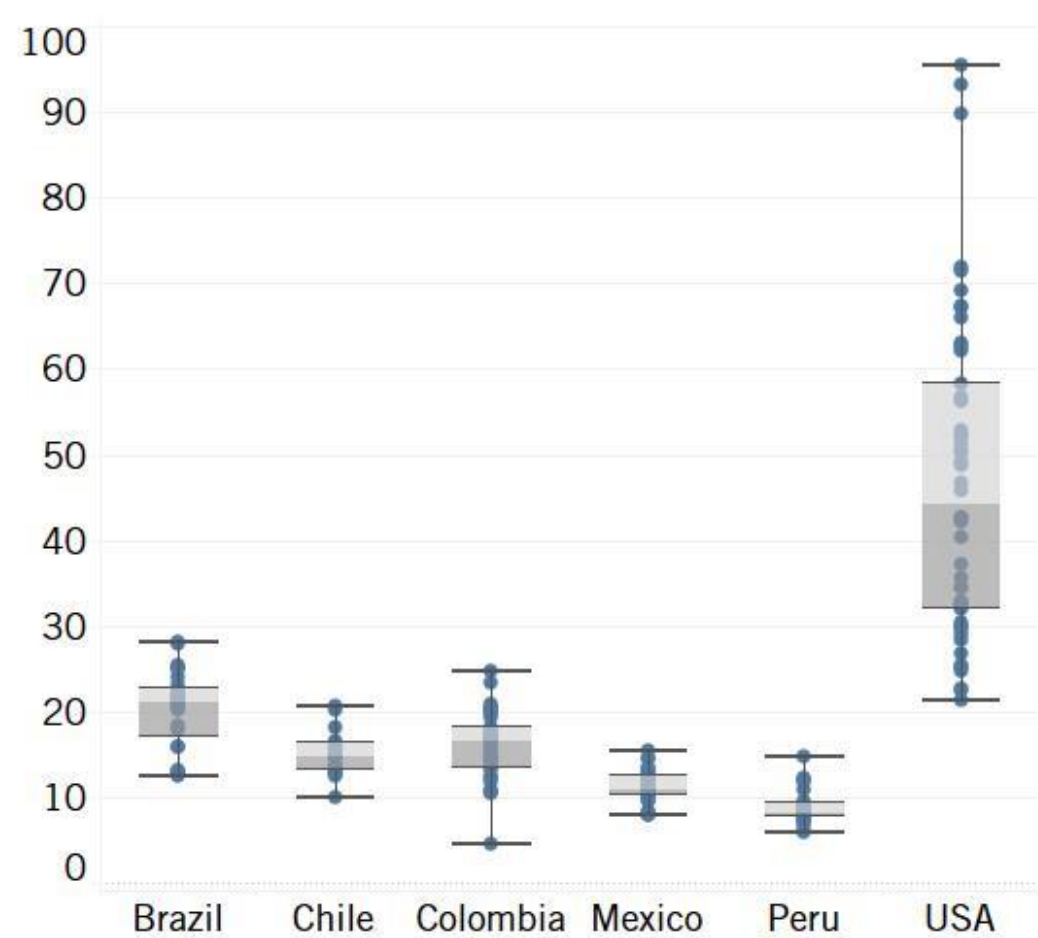
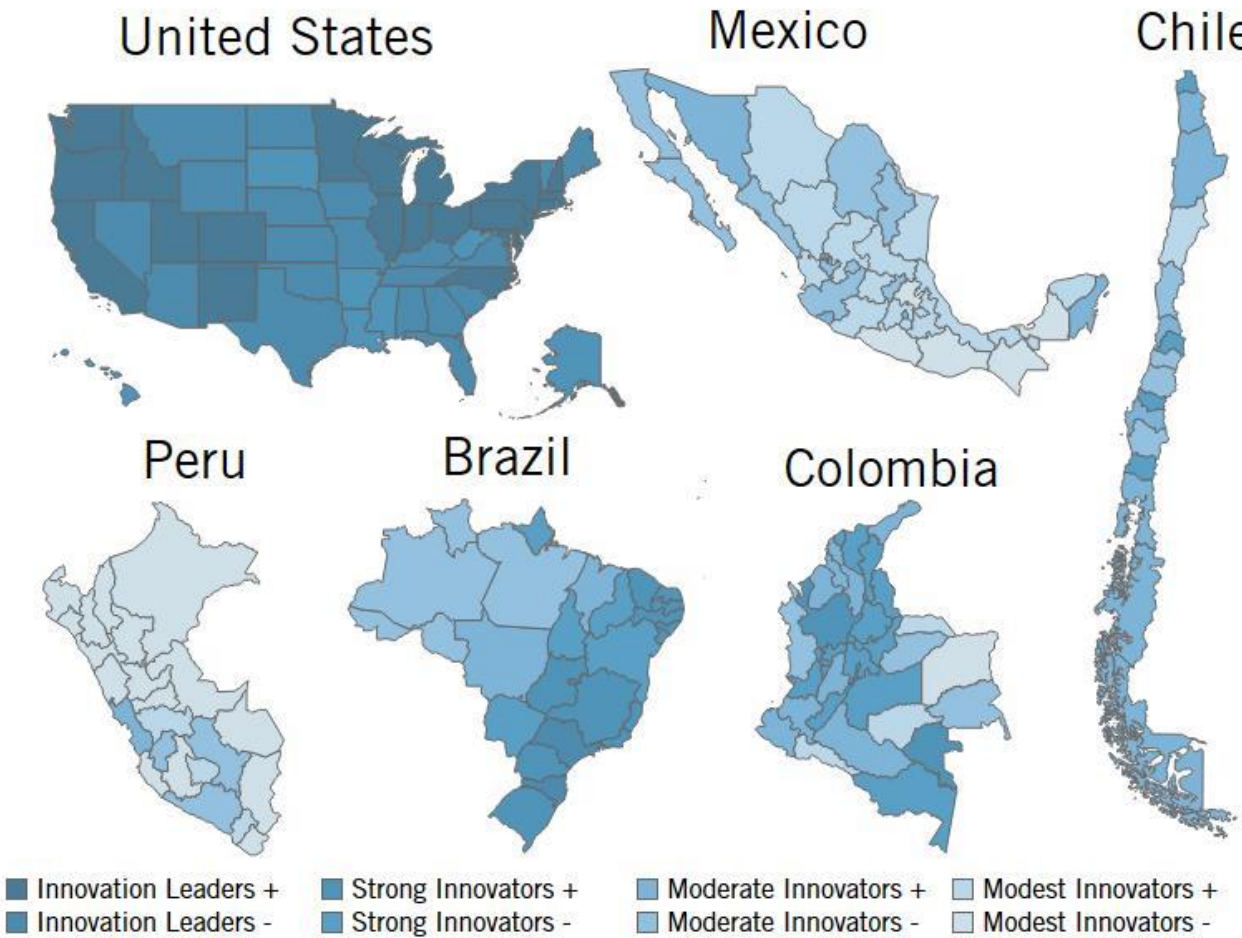
LASICI Knowledge Economy Scores










LASICI Globalization Scores



LASICI Innovation Capacity Scores









TASICI National Policy Recommendations

	Knowledge Economy	Globalization	Innovation Capacity
	Digital education infrastructure	Technology FDI and trade	Knowledge transfer to industry
	STEM education	Industrie 4.0 FDI	High-Tech Strategy 2025
	STEM education and HSUP	Multinational R&D centers	Industry-academia partnership
	Upskill STEM and Ph.D.	Strengthen and digitalize SMEs	Emerging technology incentives
	Skilled immigration policy	Change role in production chains	Industry-academia partnership
	STEM and digital education	Strengthen export positioning	Industry-academia partnership
	Regional innovation hubs	Attract FDI by incentives	TIP, MEP, and size neutrality

Source to images: Flaticon.

LASICI National Policy Recommendations

	Knowledge Economy	Globalization	Innovation Capacity
	Industry-academia partnership	Promote high-tech exports	IP protection and culture
	Improve education quality	Attract FDI and promote exports	Tax incentives for R&D
	Boost education in smaller cities	Support less developed regions	Develop telecom infrastructure
	Industry-academia partnership	Export promotion for start-ups	R&D tax incentives and grants
	Improve education quality	Promote strategic sectors	Invest in and incentivize R&D
	Regional innovation hubs	Attract FDI by incentives	TIP, MEP, size neutrality

Source to images: Flaticon.

State-Level Innovation Policy Recommendations

- Develop state-level “Industry 4.0” digitalization strategies.
- Introduce innovation vouchers.
- Introduce collaborative R&D tax credits.
- Help universities launch innovation incubators/accelerators.
- Develop university commercialization/entrepreneurship rankings.
- Permit both faculty and student entrepreneurial leave.
- Ensure international data flows can move seamlessly.

Thank You!

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