

Jump-Starting America: Partnerships for Innovation Across the US



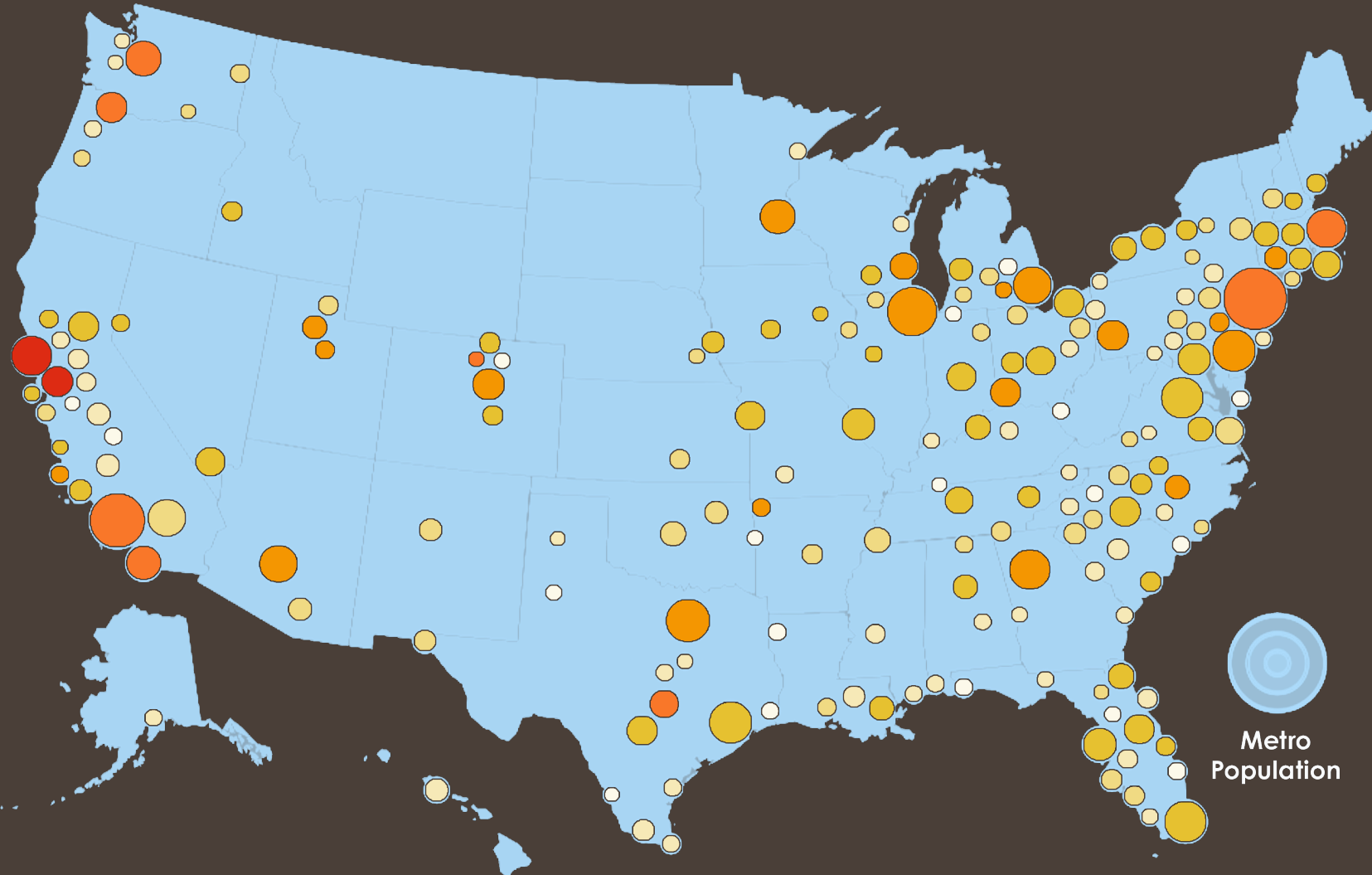
Based on data, analysis, and references in:

Jump-Starting America: How Breakthrough Science Can Revive Economic Growth and the American Dream

By Jonathan Gruber & Simon Johnson, <https://www.jump-startingamerica.com/>

The US in 1940 Did Not Look Like This: Six Major Innovation Hubs on East and West Coasts

(Compare with hiring mix in San Francisco Bay Area)



Darker color circle means local tech job postings look more like those in San Francisco Bay Area.

Data description:

Degree to which the local tech job postings on indeed.com in 2018 looks like the mix in the San Francisco Bay area. 100% would indicate an identical mix, and 0% would reflect no overlap.

Source: Jed Kolko, Indeed.com

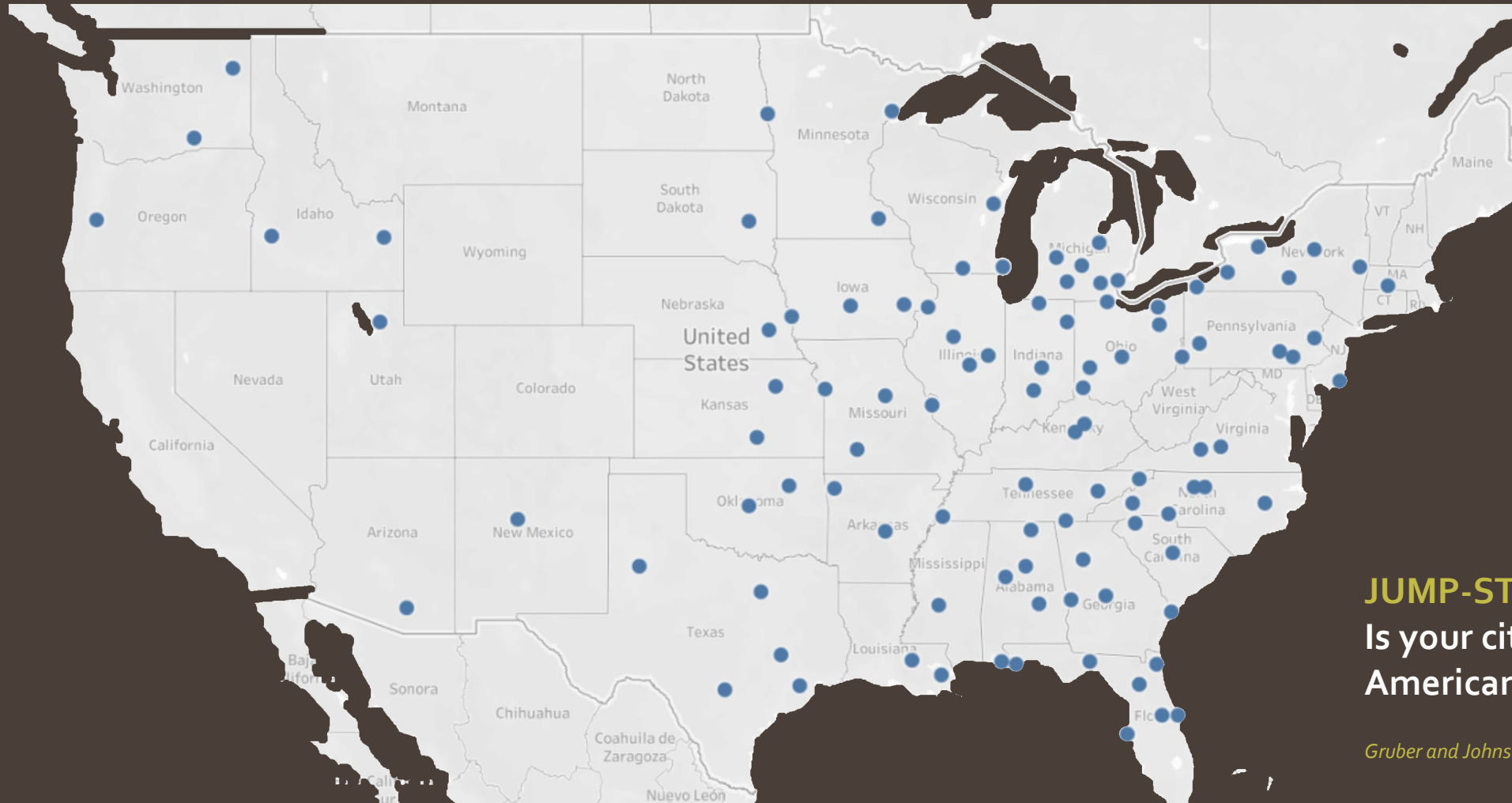
Economic Case for More Science Funding: Boost Productivity and Share Benefits of Growth



- Rise and fall of public (federal government) support for R&D: ~0% of GDP in 1940; peaked at 2% of GDP in mid-1960s; now under 0.7% of GDP
- Private sector (e.g., VC) under-invests in basic knowledge due to spillover effects
- Restricted housing supply limits access of US workers to highest productivity innovation hubs – significantly lowering growth rates
- The Lost Marie Curies & Einsteins: talented young people do not get access to high quality education or the ability to start a tech business
- 68 senators from 41 states voted for the Endless Frontier Act in June 2021, with emphasis on supporting potential new tech hubs

On our current path, some dimensions of social and political polarization seem likely to worsen

102 Cities in 36 States With Potential to Become Tech Hubs: Grad Science Programs, College Educated Population, Low House Prices, Short Commutes, Over 100,000 Potential Workers



JUMP-STARTING AMERICA:
Is your city the next great
American technology hub?

Gruber and Johnson. Last updated April 2019.

Source: *Jump-Starting America*
See interactive version of map at <https://www.jump-startingamerica.com/>