

Oregon's Innovation Index

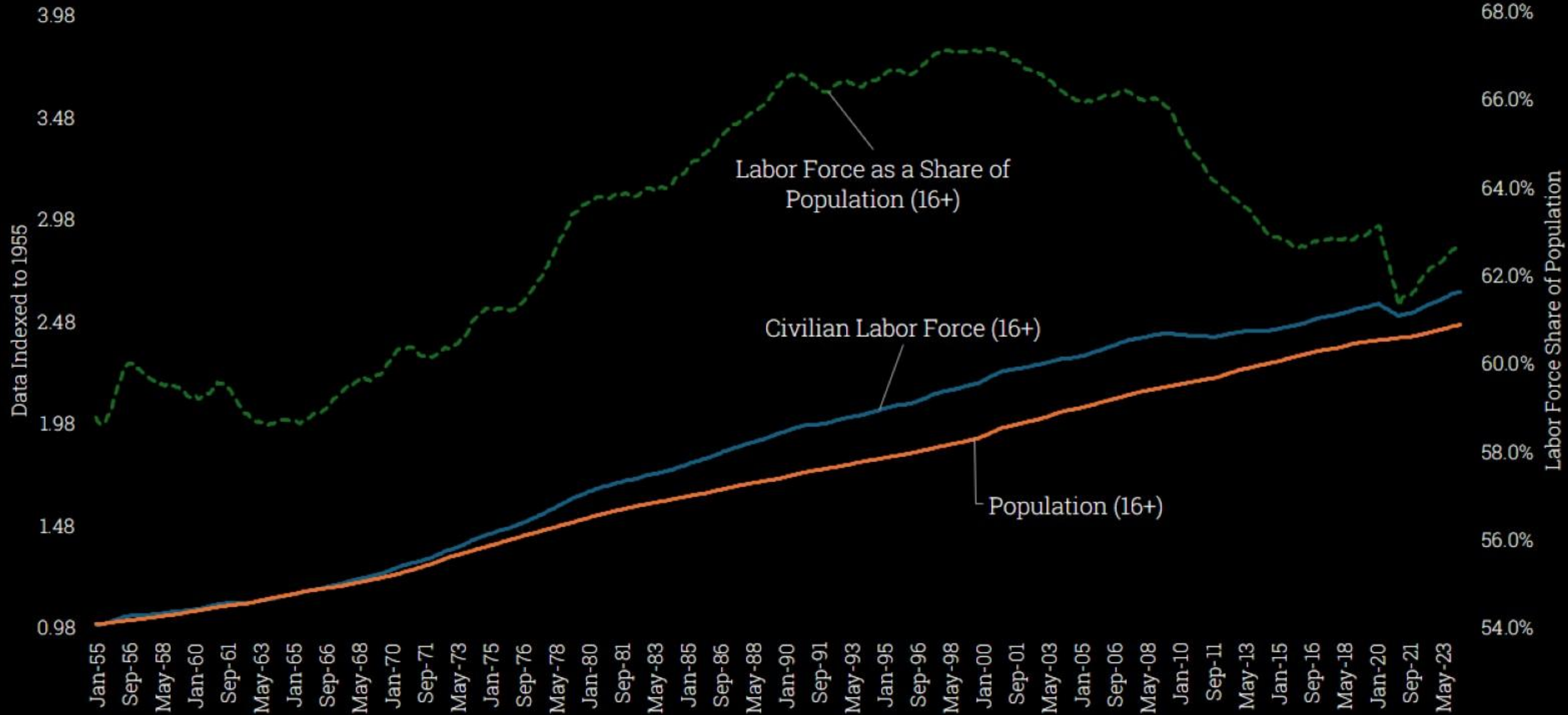


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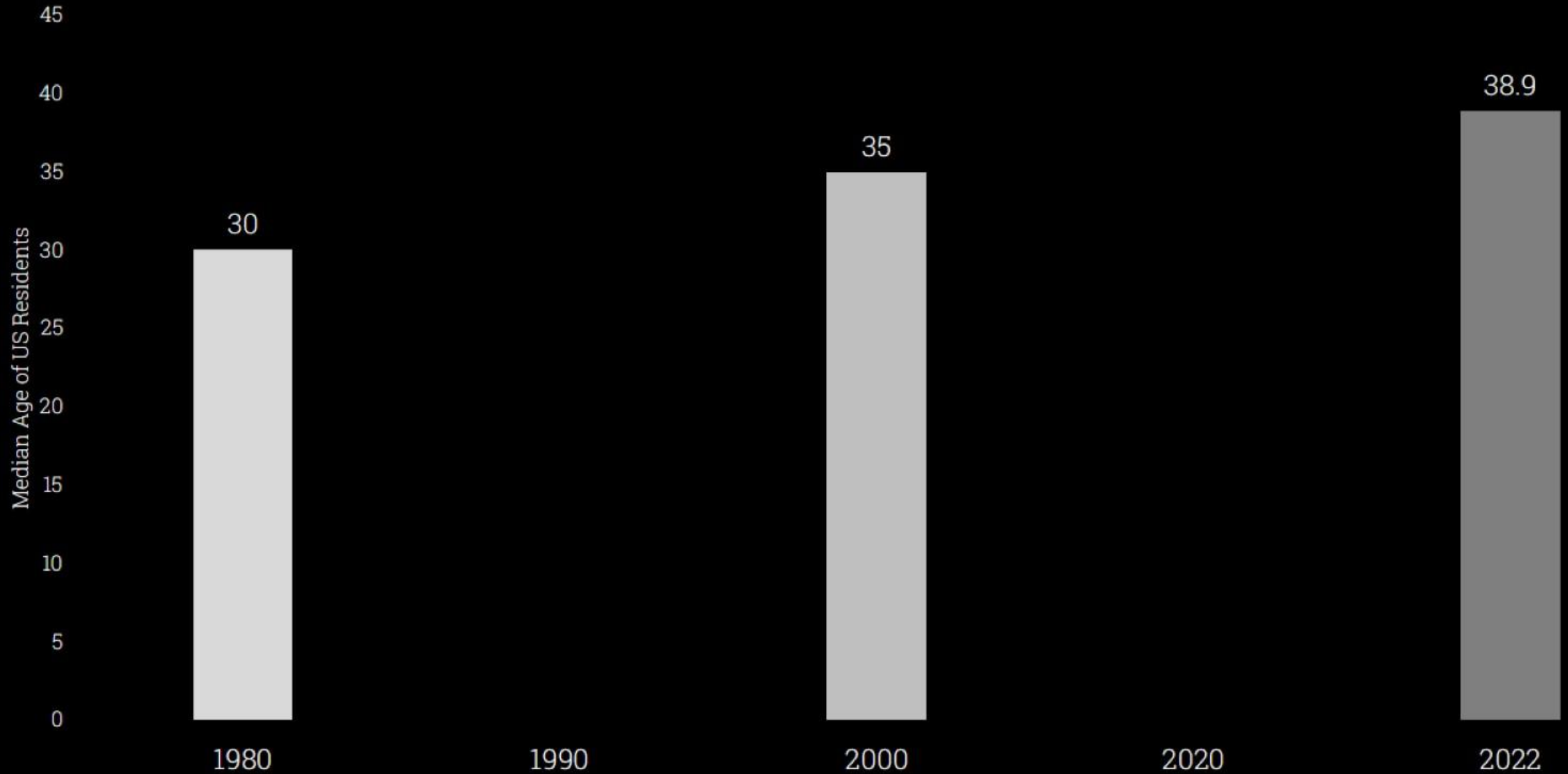
Why should we care about innovation?

The amount of labor available relative to the size of the population has been declining



The graying of America:

A large cohort aging out of the workforce and much lower birth rates





Our options...

1. Compete for these increasingly valuable skilled workers

2. Increase productivity to do more with less available labor

The Innovation Index Version 7.0



Entrepreneurship

Entrepreneurship

Invention Disclosures

Patents

Research & Development Investments

University License Income

University Licenses

University Start-ups

Venture Capital

Business Activity

Business Growth

Exports

High Tech Employment

Manufacturing GDP

Small Business Awards

Workforce

Average Wage

Broadband Access

Educational Attainment

Knowledge Workers

STEM Workforce



The method...

For each of the 18 metrics there are 2 scores

1. **Relative Performance** (70% weight)

Score based on state performance compared to the national average

* $\frac{1}{2}$ standard deviation **above** national average = 1;

* $\frac{1}{2}$ standard deviation **below** average = 0;

*0.5 if between those two values

2. **Change Rank** (30% weight)

5-year percent change.

*The top 1/3rd of states were given a score of 1

*Middle 1/3rd of states were given a score of 0.5

*Bottom 1/3rd were given a score of 0

Changes for 2024 Index...

- Dropped “Rank Change” Score
- “Change Rank” shifted from 10-year look back to 5-year
- Dropped two redundant metrics (*STEM grads/ Patent Citations*)
- Scoring weights shifted due to no longer having “Rank Change”
- Added in the District of Columbia

	RANKS		
	Relative	5-year Change	Innovation Index
	Performance Rank	Rank	Weighted Rank
Washington	1	3	1
Colorado	2.5	9	2
New Hampshire	4.5	5	3
California	2.5	40.5	4
Maryland	8	9	5
District of Columbia	6	17.5	6
Oregon	4.5	35	7
Connecticut	10	7	8
New York	8	17.5	9
Rhode Island	17	1.5	10.5
Vermont	17	1.5	10.5
Pennsylvania	12.5	13.5	12.5
Utah	12.5	13.5	12.5
New Jersey	17	9	14
Massachusetts	8	47.5	15
Tennessee	22.5	5	16
North Carolina	12.5	35	17
Virginia	20.5	11	18
Delaware	17	22.5	19
Texas	12.5	40.5	20

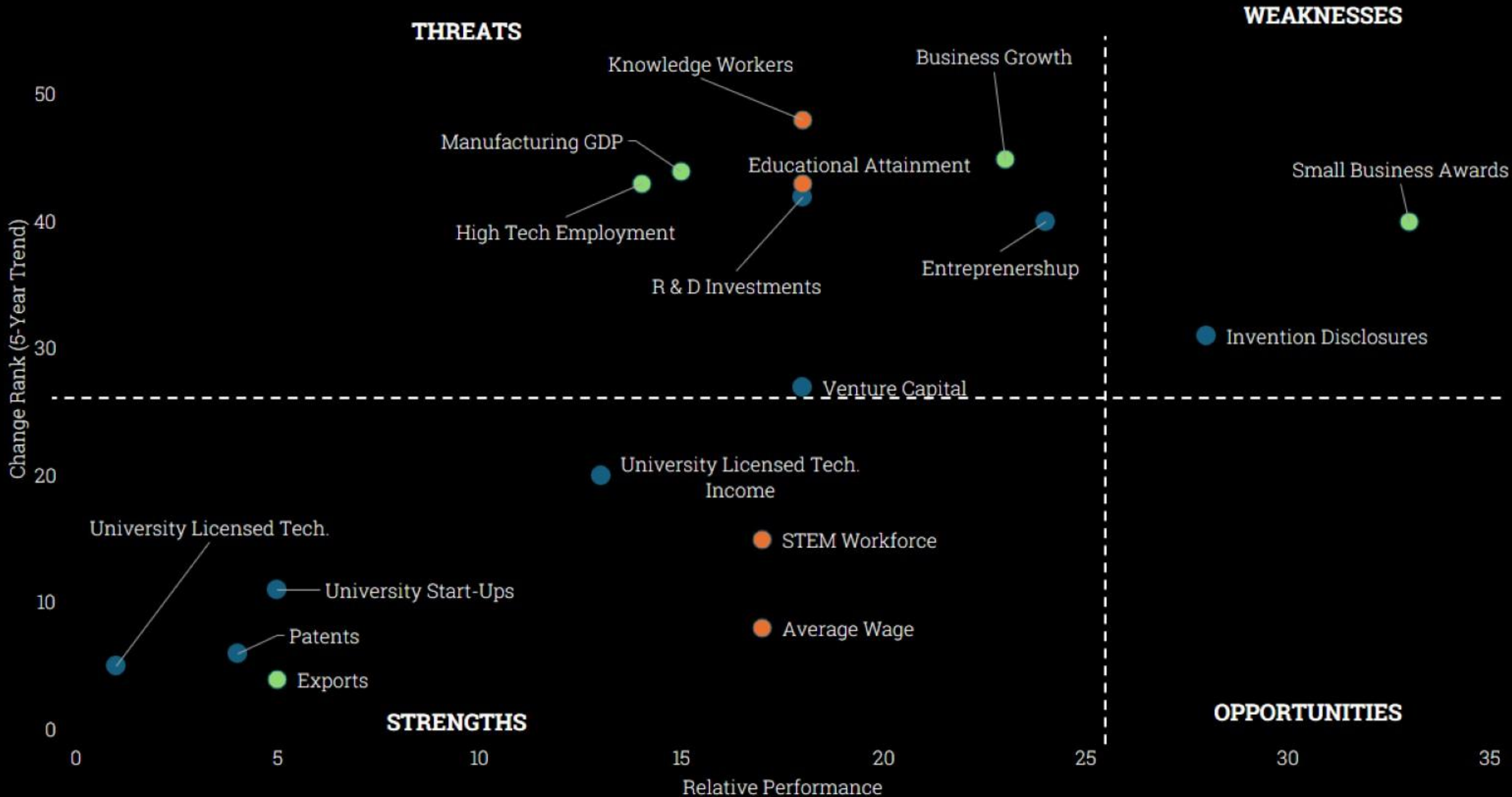
Georgia	20.5	13.5	21
South Carolina	25.5	5	22
Minnesota	17	43	23
Arizona	22.5	35	24
Illinois	25.5	22.5	25
Missouri	25.5	28.5	26
Michigan	25.5	35	27
Ohio	29	22.5	28
Florida	31.5	13.5	29
Kansas	29	35	30
Wisconsin	29	40.5	31
Idaho	34	17.5	32
Nebraska	34	22.5	33
Iowa	36.5	22.5	34.5
New Mexico	36.5	22.5	34.5
Alabama	34	40.5	36
Montana	31.5	47.5	37
Kentucky	39	28.5	38.5
Maine	39	28.5	38.5
Hawaii	42.5	28.5	40.5
Louisiana	42.5	28.5	40.5
South Dakota	46.5	17.5	42
Nevada	42.5	35	43
Alaska	39	50	44
Mississippi	46.5	35	45
Indiana	42.5	47.5	46
Wyoming	46.5	44.5	47
Oklahoma	46.5	47.5	48
West Virginia	49.5	44.5	49
Arkansas	51	28.5	50
North Dakota	49.5	51	51

“Jack of all trades, master of none”

	Oregon's Rank <i>(out of 51 States and DC)</i>	
	Relative Performance	5-Year Change
Entrepreneurship	14	23
Entrepreneurship	24	40
Invention Disclosures	28	31
Patents	4	6
Research & Development Investments	18	42
University License Income	13	20
University Licenses	1	5
University Start-ups	5	11
Venture Capital	18	27
Business Activity	18	35
Business Growth	23	45
Exports	5	4
High Tech Employment	14	43
Manufacturing GDP	15	44
Small Business Awards	33	40
Workforce	17	29
Average Wage	17	8
Broadband Access	15	NA
Educational Attainment	18	43
Knowledge Workers	18	48
STEM Workforce	17	15

Putting the index into action

Oregon's Innovation Strengths, Weaknesses, & Threats





"Oregon is an innovative state with distinct well-rounded strengths. A jack of all trades, but master of none. However, this iteration of the Innovation Index points to a significant number of areas where Oregon's strengths are being eroded and not keeping pace with peer states. The results from this index should open our eyes to the need for greater investment in entrepreneurship, business activity, and our workforce."

-Me

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