



The changing geopolitics of world class research and innovation: the data behind the THE World University Rankings

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Chief Knowledge Officer, THE (Times Higher Education)



The World University Rankings data...

THE

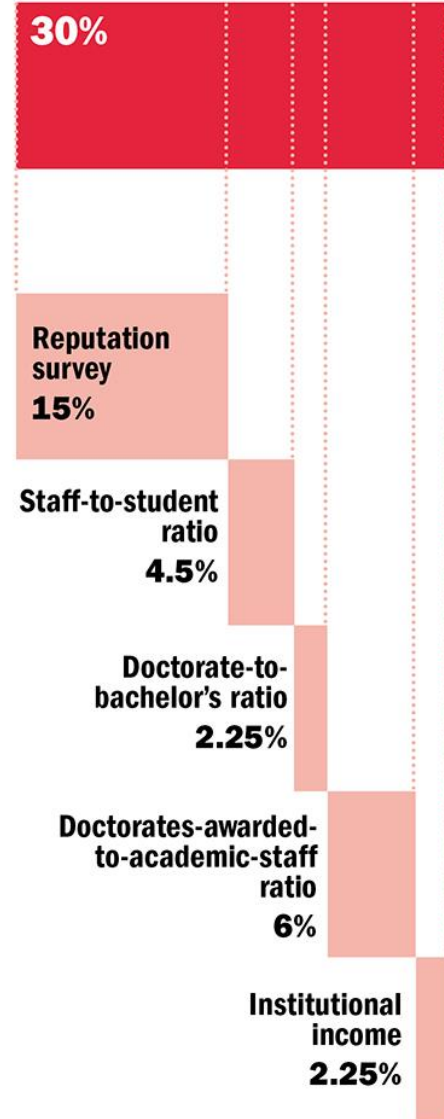
The Methodology

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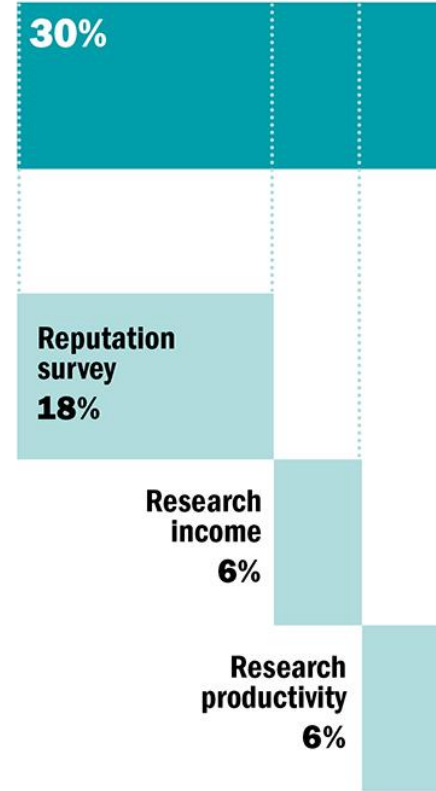


Method

Teaching (the learning environment)



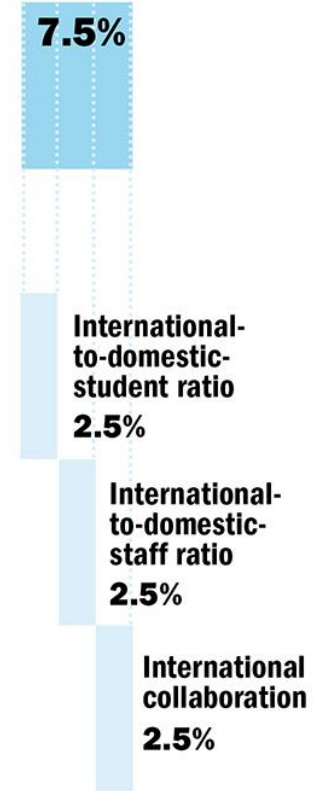
Research (volume, income and reputation)



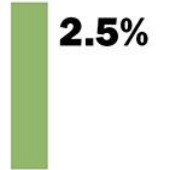
Citations (research influence)



International outlook (staff, students, research)



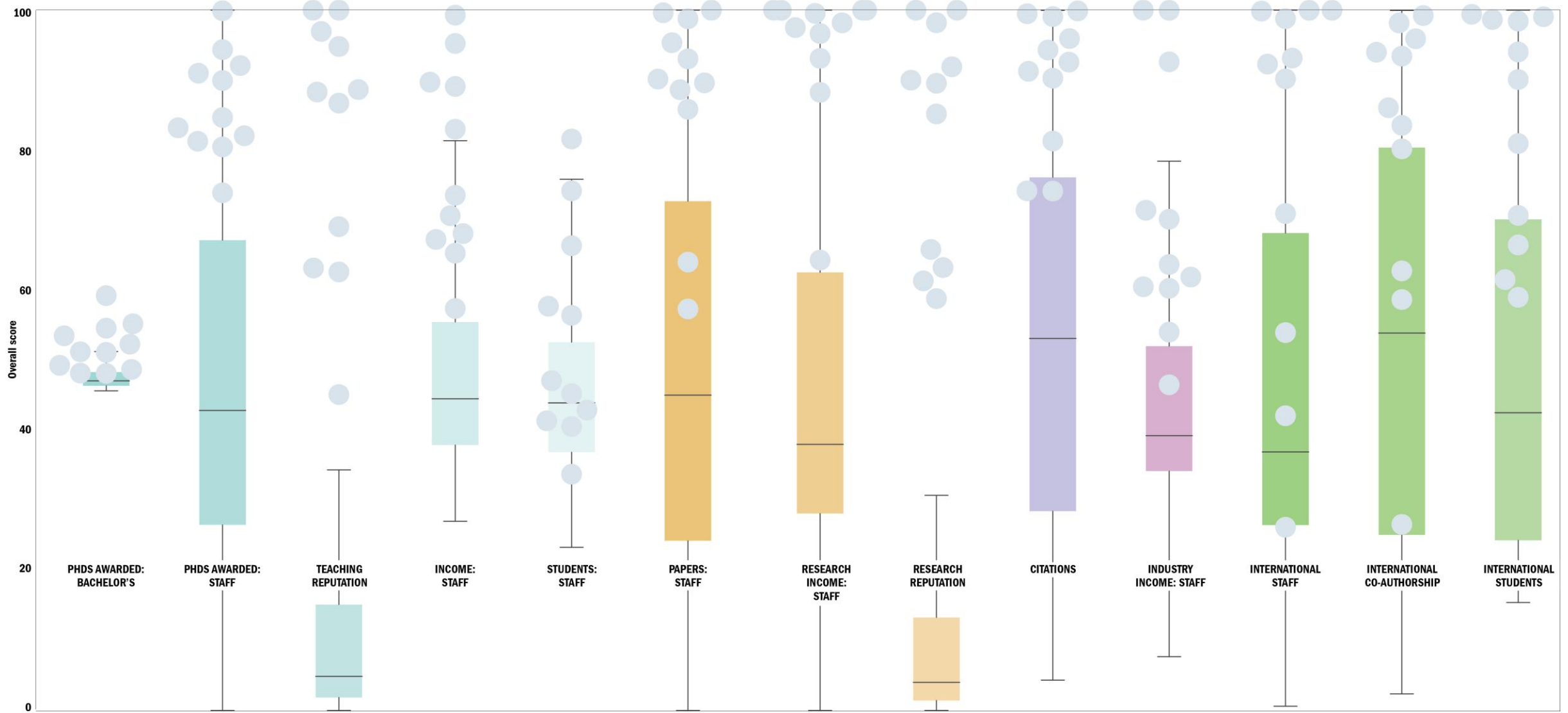
Industry income (knowledge transfer)

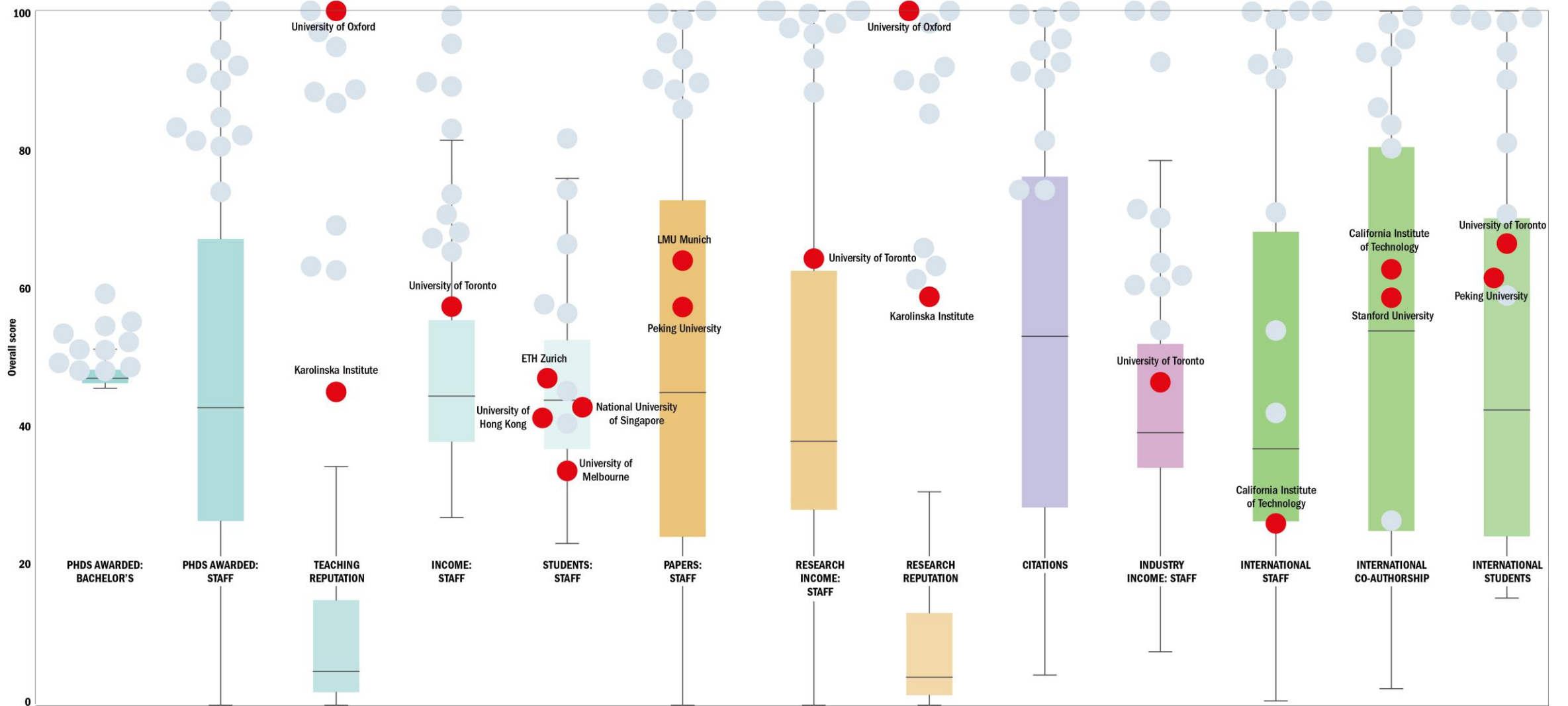




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What makes a world-class university?





The results: 2019

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THE WORLD UNIVERSITY RANKINGS 2019 TOP 10

Rank 2019	Rank 2018	Institution	Country/region
1	1	University of Oxford	United Kingdom
2	2	University of Cambridge	United Kingdom
3	=3	Stanford University	United States
4	5	Massachusetts Institute of Technology	United States
5	=3	California Institute of Technology	United States
6	6	Harvard University	United States
7	7	Princeton University	United States
8	12	Yale University	United States
9	8	Imperial College London	United Kingdom
10	9	University of Chicago	United States

2019

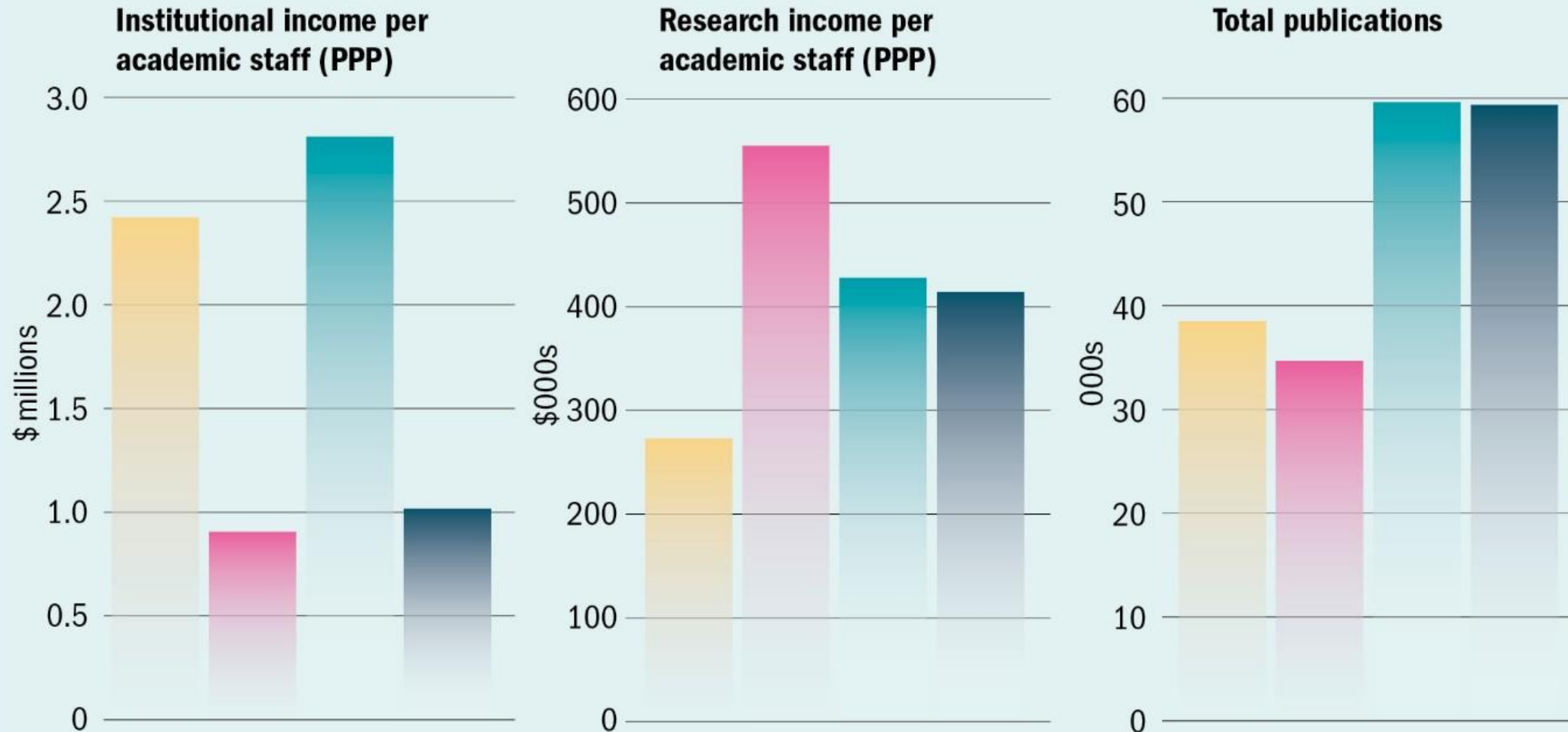
THE WORLD
UNIVERSITY
RANKINGS



FANTASTIC FOUR: PRODUCTIVITY MEASURES COMPARED

Yale ETH Zurich Stanford Oxford

Note: The data are taken from the period covered by this year's rankings. The bibliometric data cover journal articles, article reviews, conference proceedings, books and book chapters published over five years between 2013 and 2017.



COUNTRIES/REGIONS REPRESENTED IN THE TOP 200

Country/region	Number of institutions in top 200	Top institution	Rank
United States	60	Stanford University	3
United Kingdom	29	University of Oxford	1
Germany	23	LMU Munich	=32
Netherlands	12	Delft University of Technology	58
Australia	9	University of Melbourne	=32
Canada	9	University of Toronto	21
China	7	Tsinghua University	22
Switzerland	7	ETH Zurich	11
Hong Kong	5	University of Hong Kong	36
South Korea	5	Seoul National University	63
Sweden	5	Karolinska Institute	40
Denmark	4	University of Copenhagen	=116
France	4	Paris Sciences et Lettres - PSL Research University Paris	41
Belgium	3	KU Leuven	48
Italy	3	Scuola Superiore Sant'Anna	=153
Finland	2	University of Helsinki	=99
Japan	2	The University of Tokyo	42
Norway	2	University of Oslo	=121
Singapore	2	National University of Singapore	23
Spain	2	Pompeu Fabra University	=135
Austria	1	University of Vienna	=143
Republic of Ireland	1	Trinity College Dublin	120
Russian Federation	1	Lomonosov Moscow State University	=199
South Africa	1	University of Cape Town	=156
Taiwan	1	National Taiwan University	170

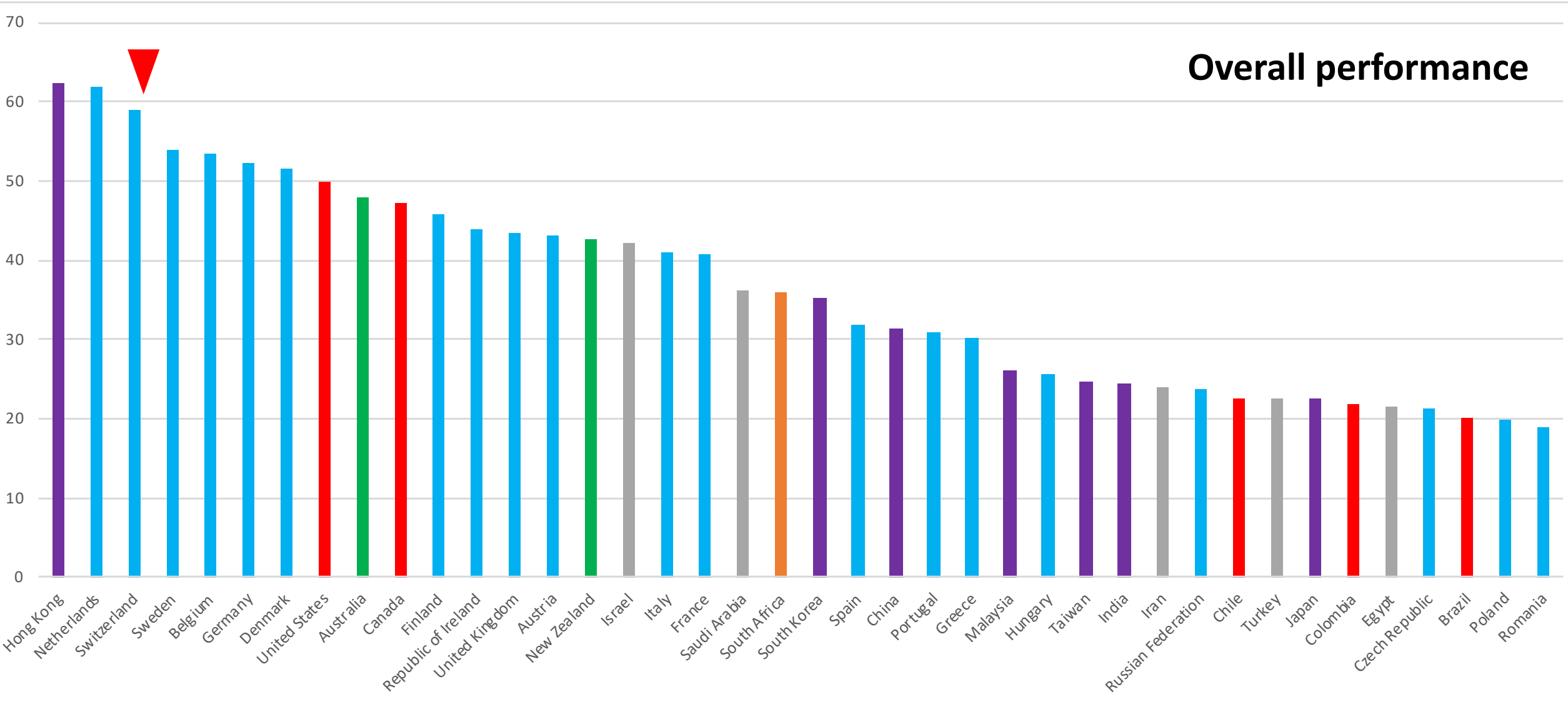




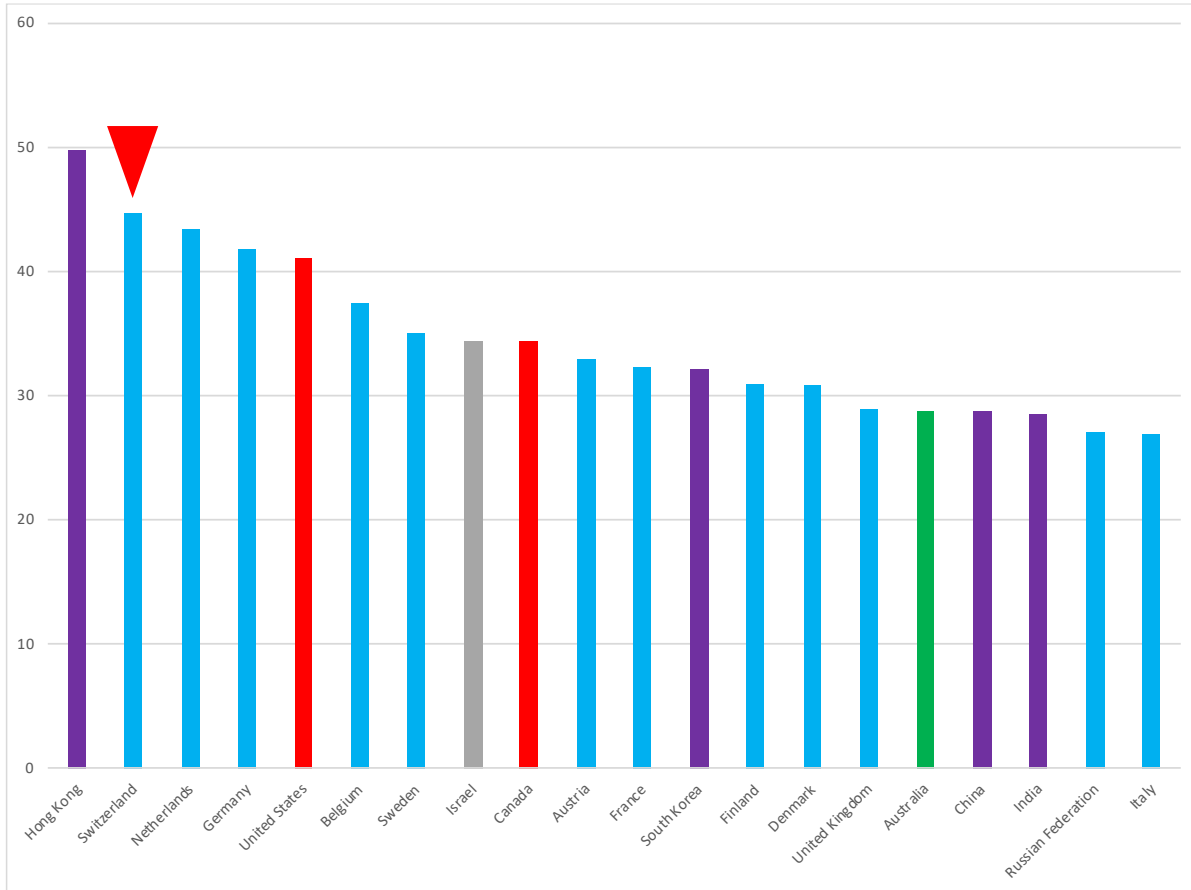
How does Switzerland perform?

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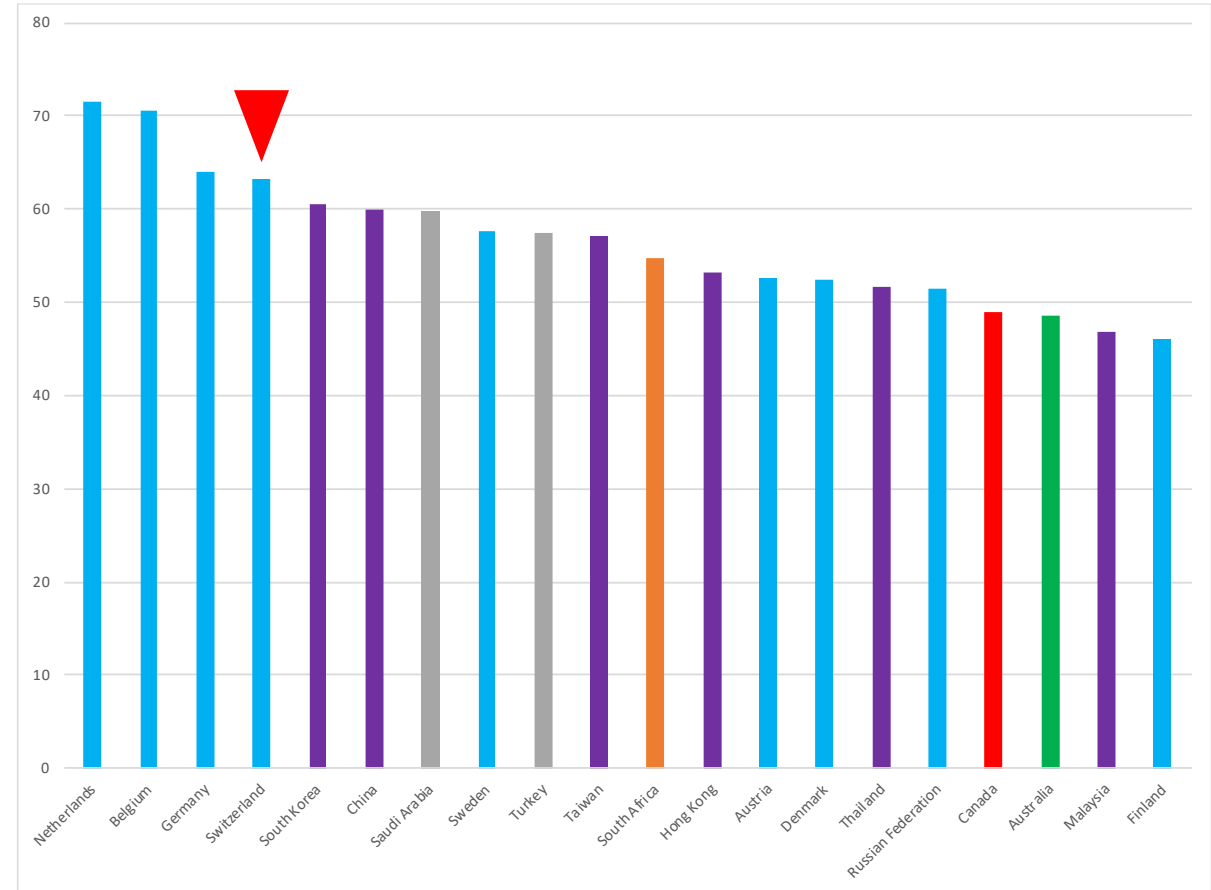
Overall performance



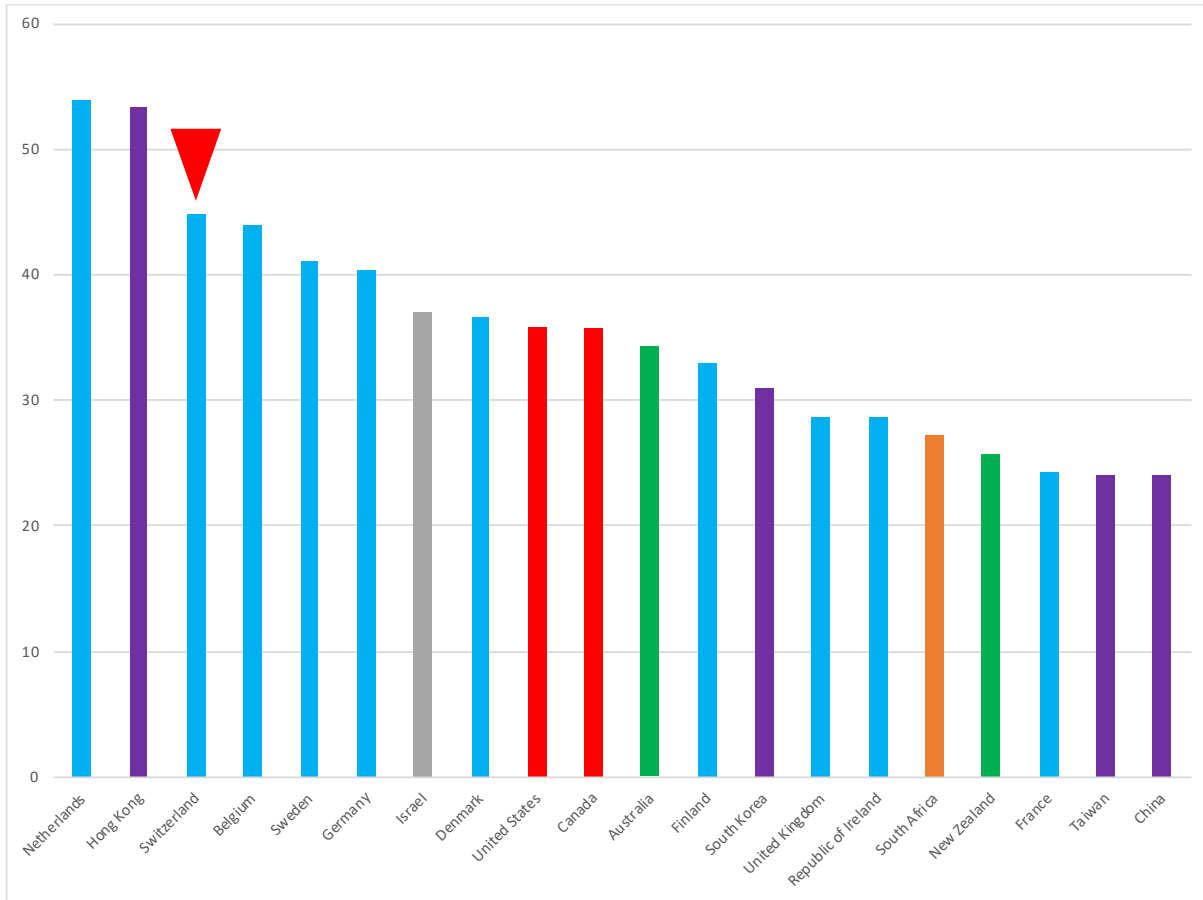
Teaching



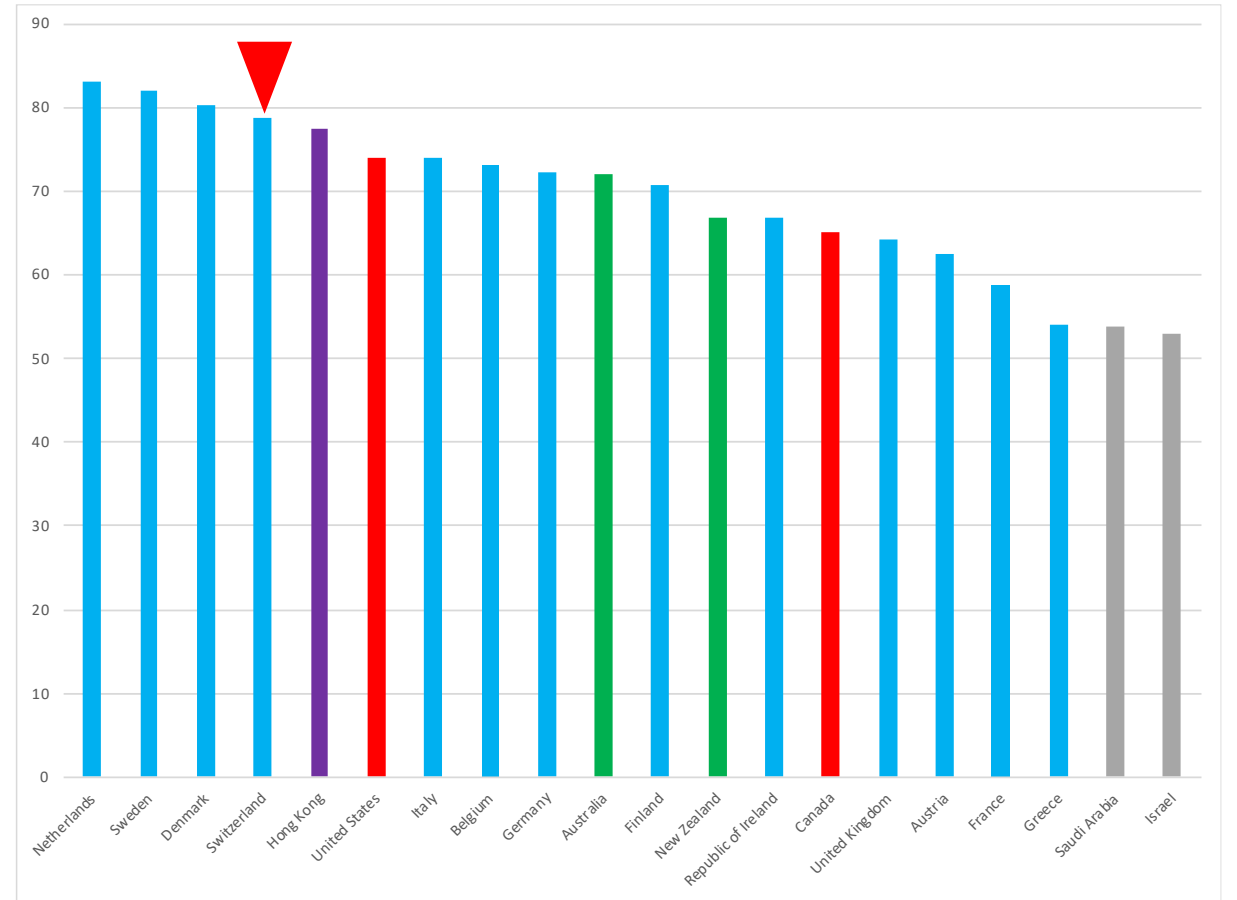
Industry income



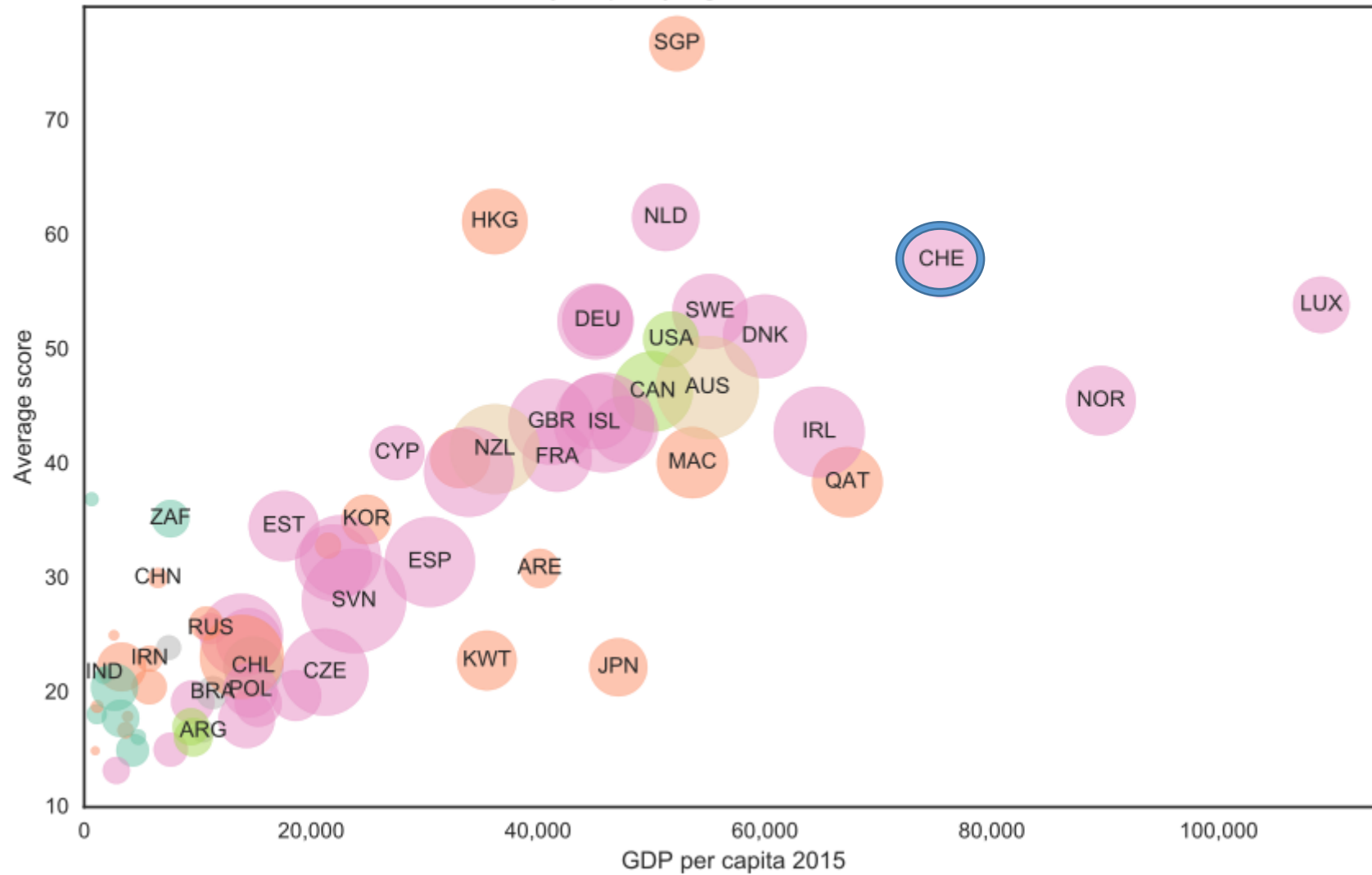
Research



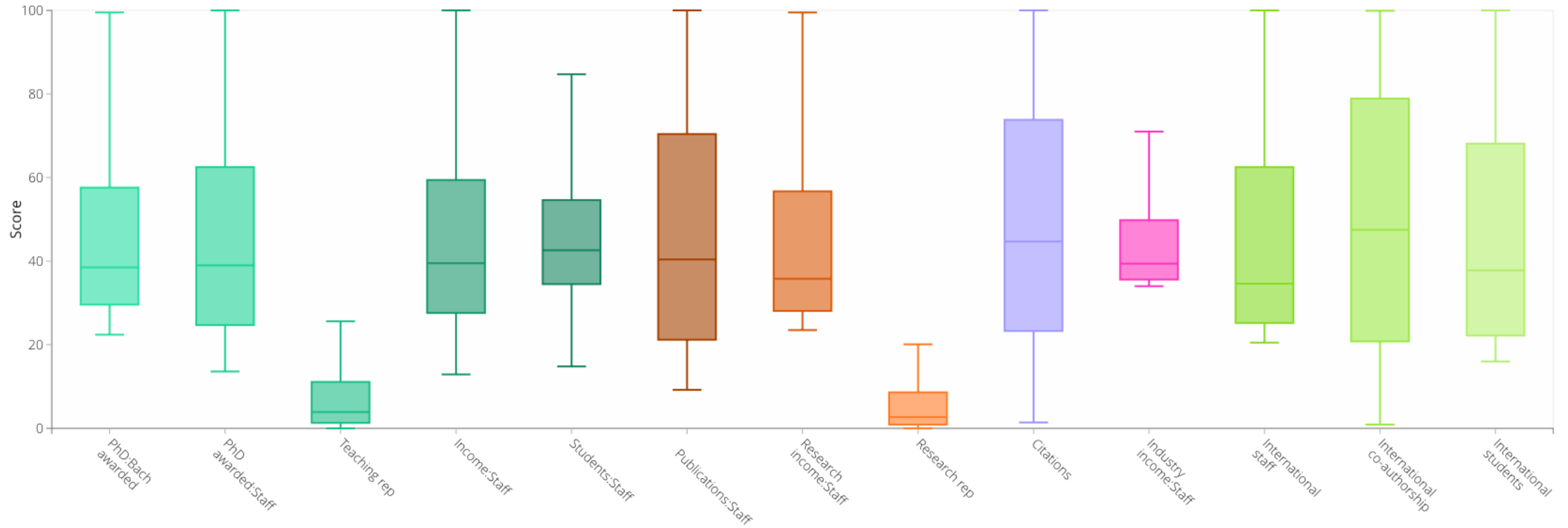
Citations



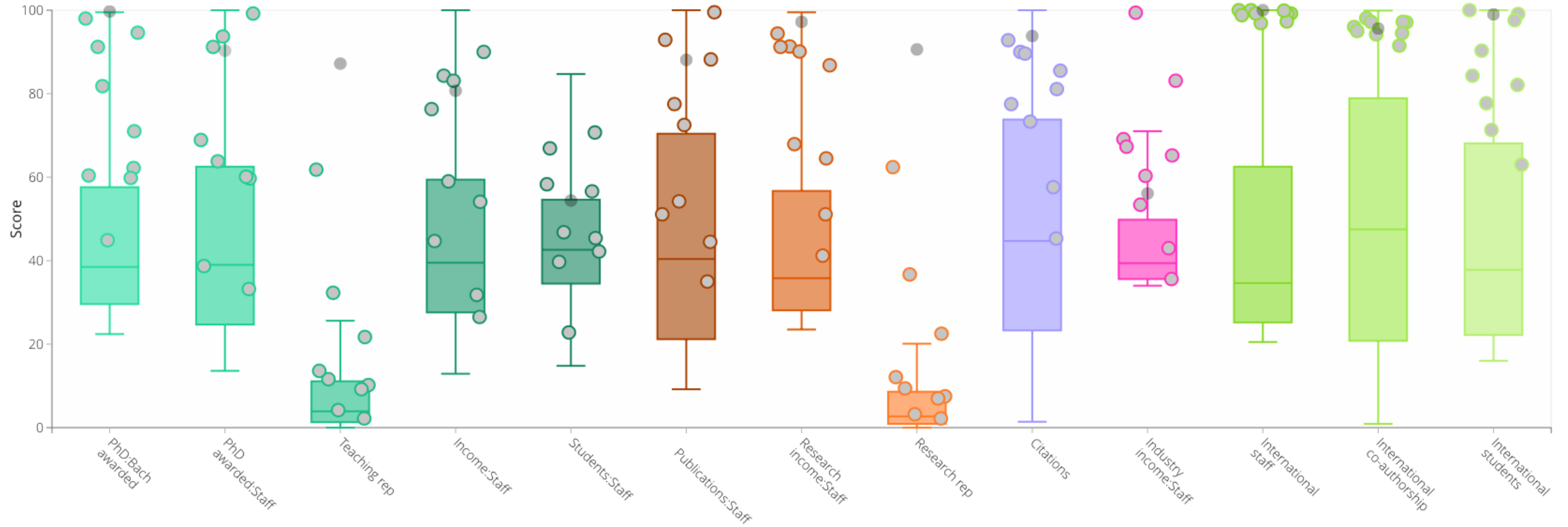
Availability of quality higher education - WUR 2018



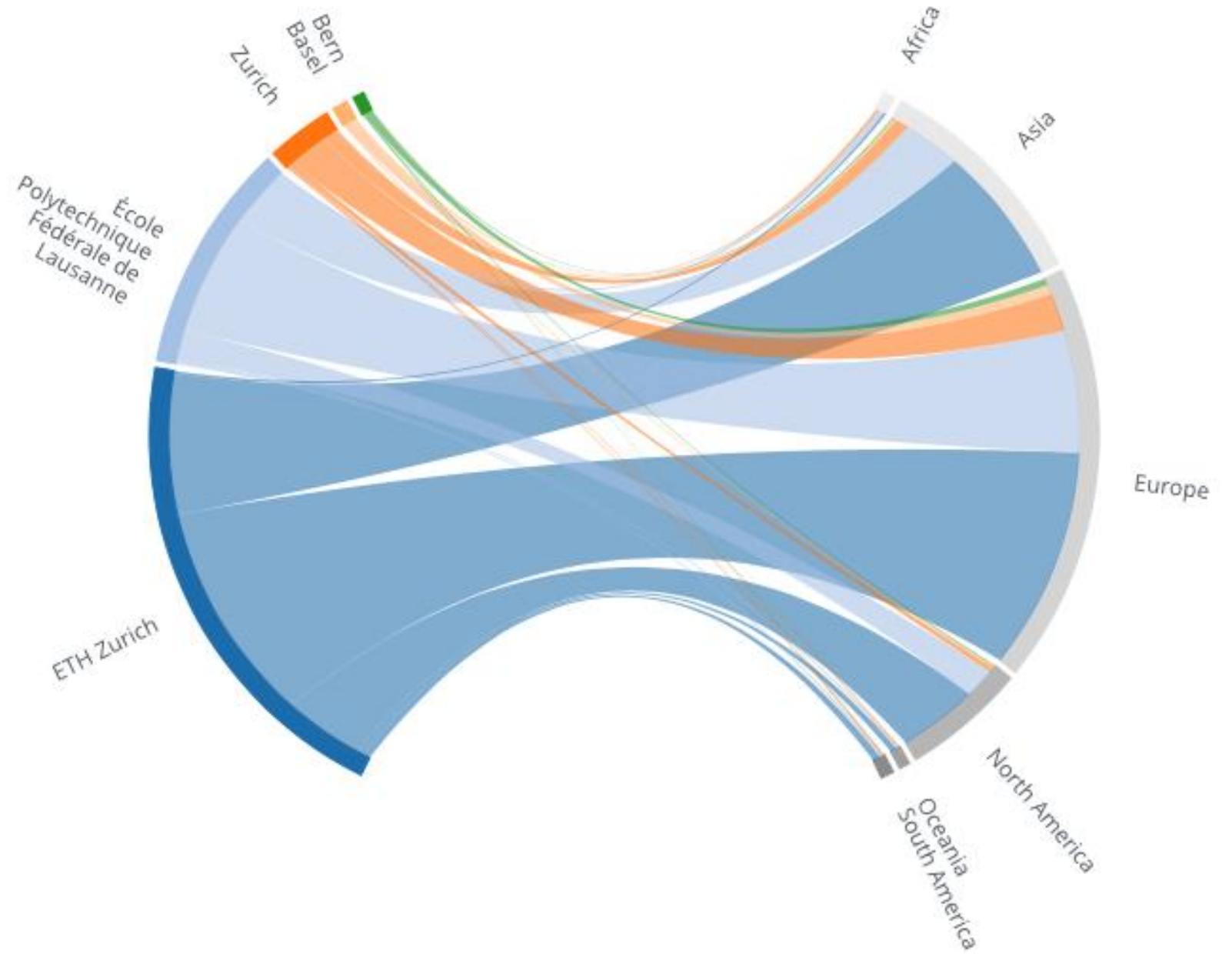
World scores distribution



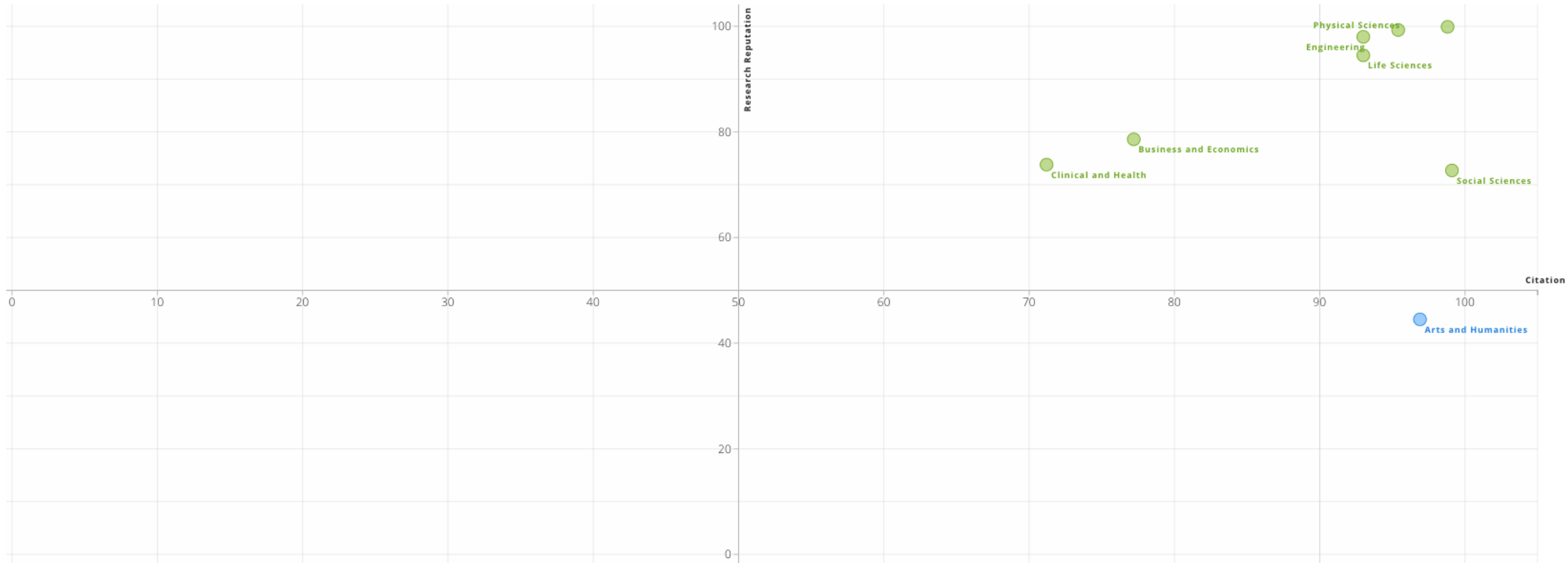
World scores distribution: How do Swiss universities compare?



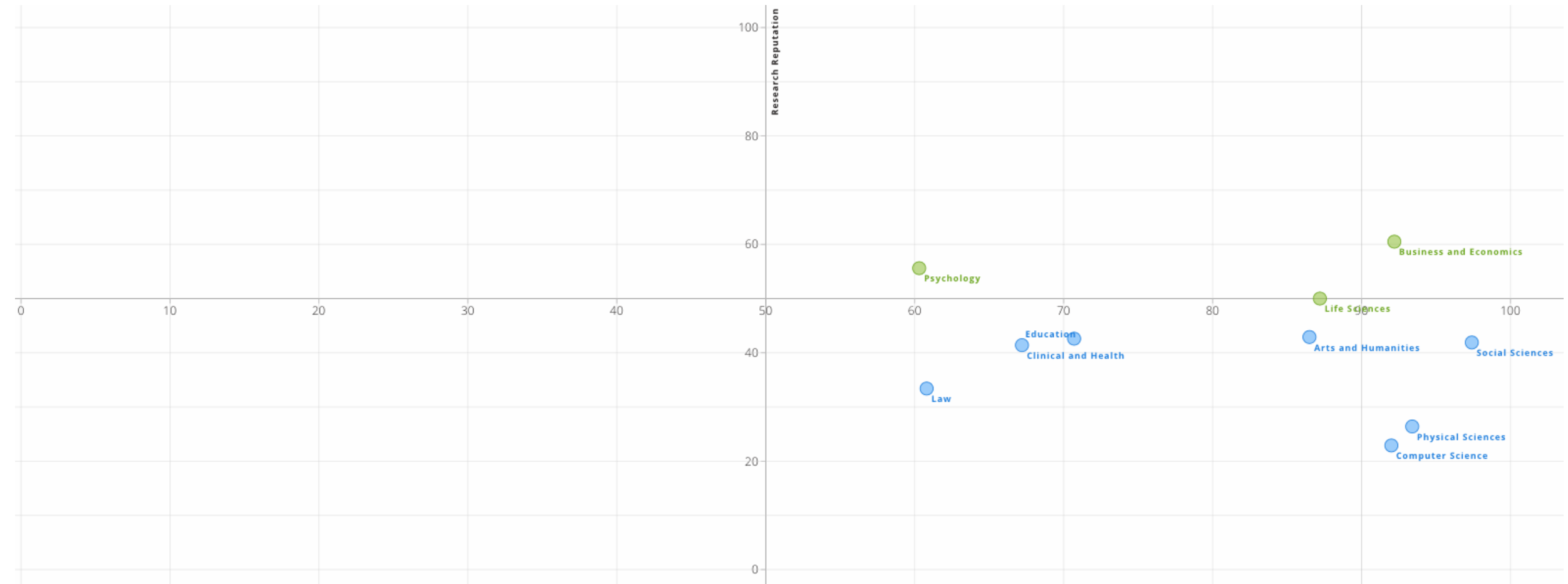
Reputation by region



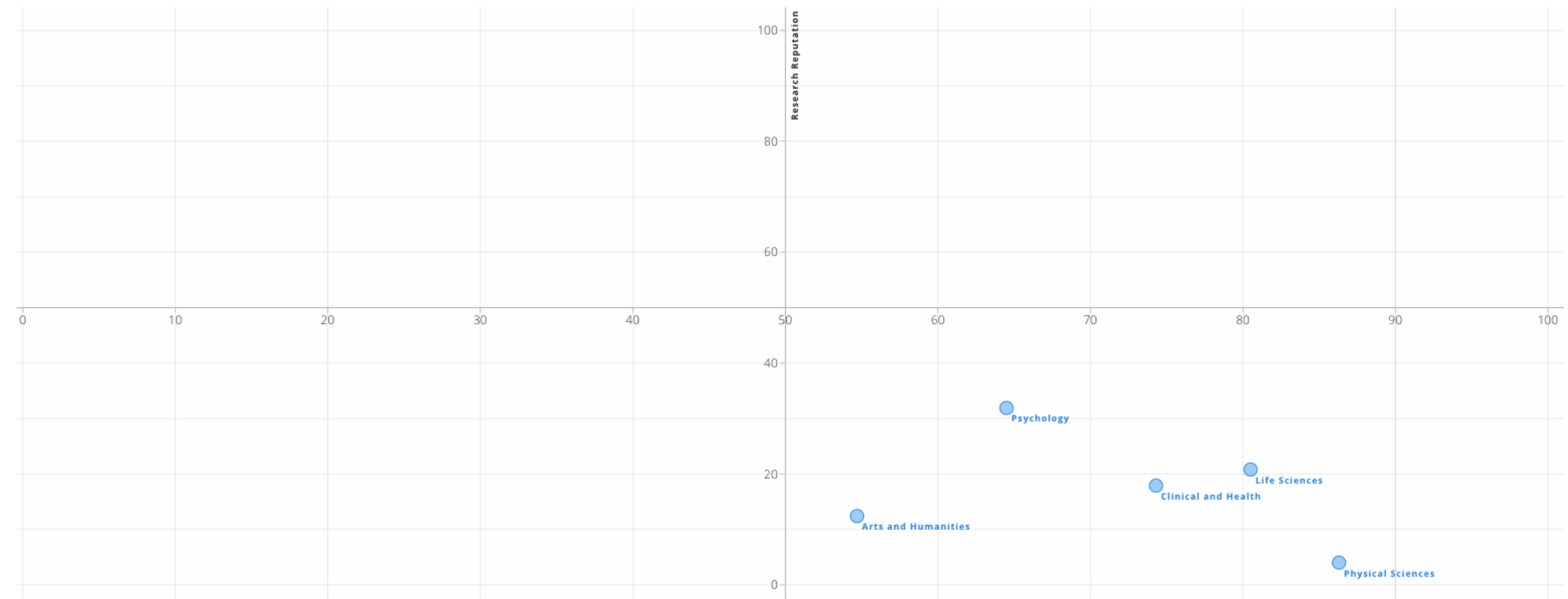
SWOT analysis: ETH Zurich



SWOT analysis: Zurich



SWOT analysis: Basel

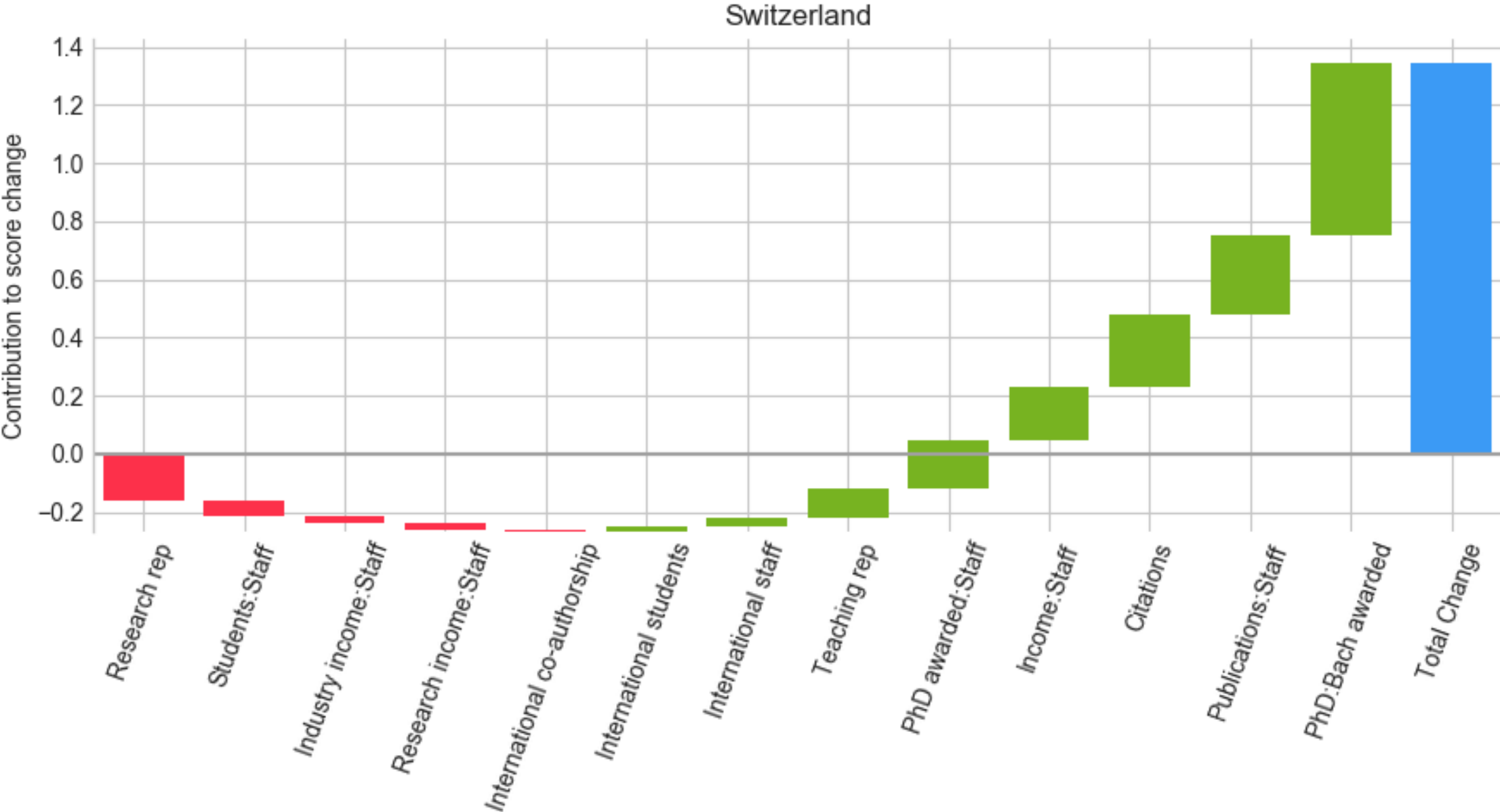




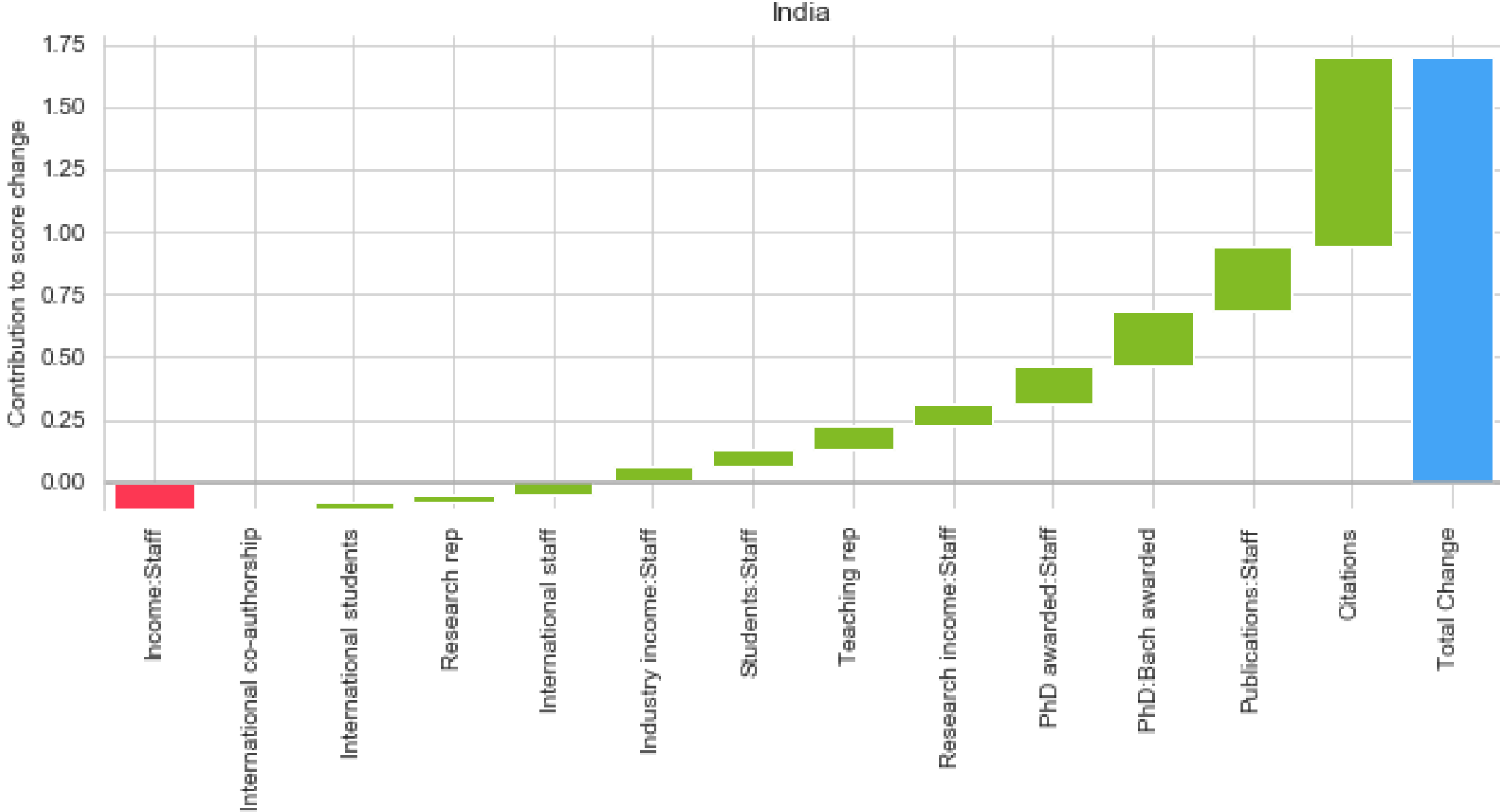
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Global trends..

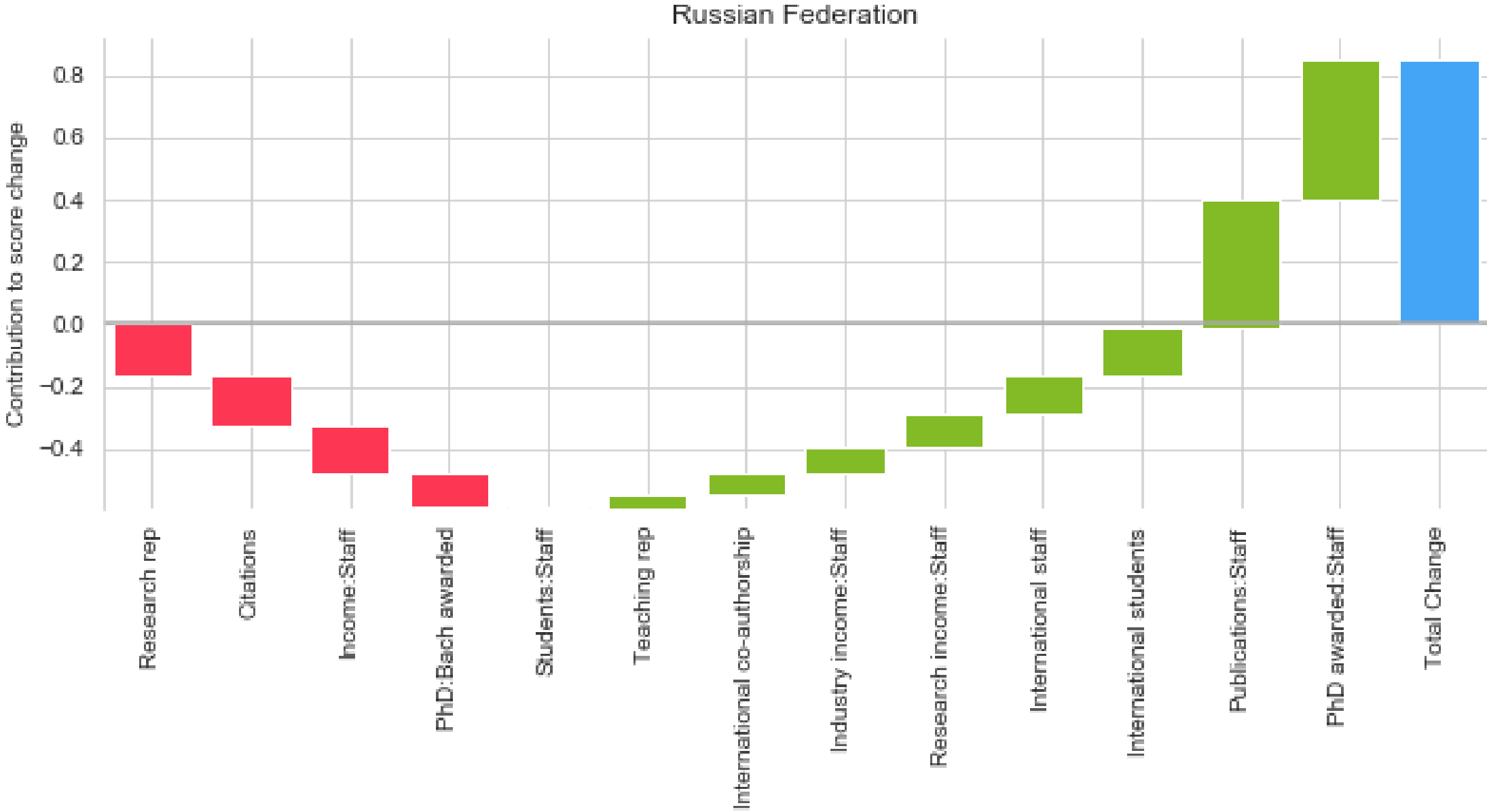
Year on year change: Switzerland



Year on year change: India

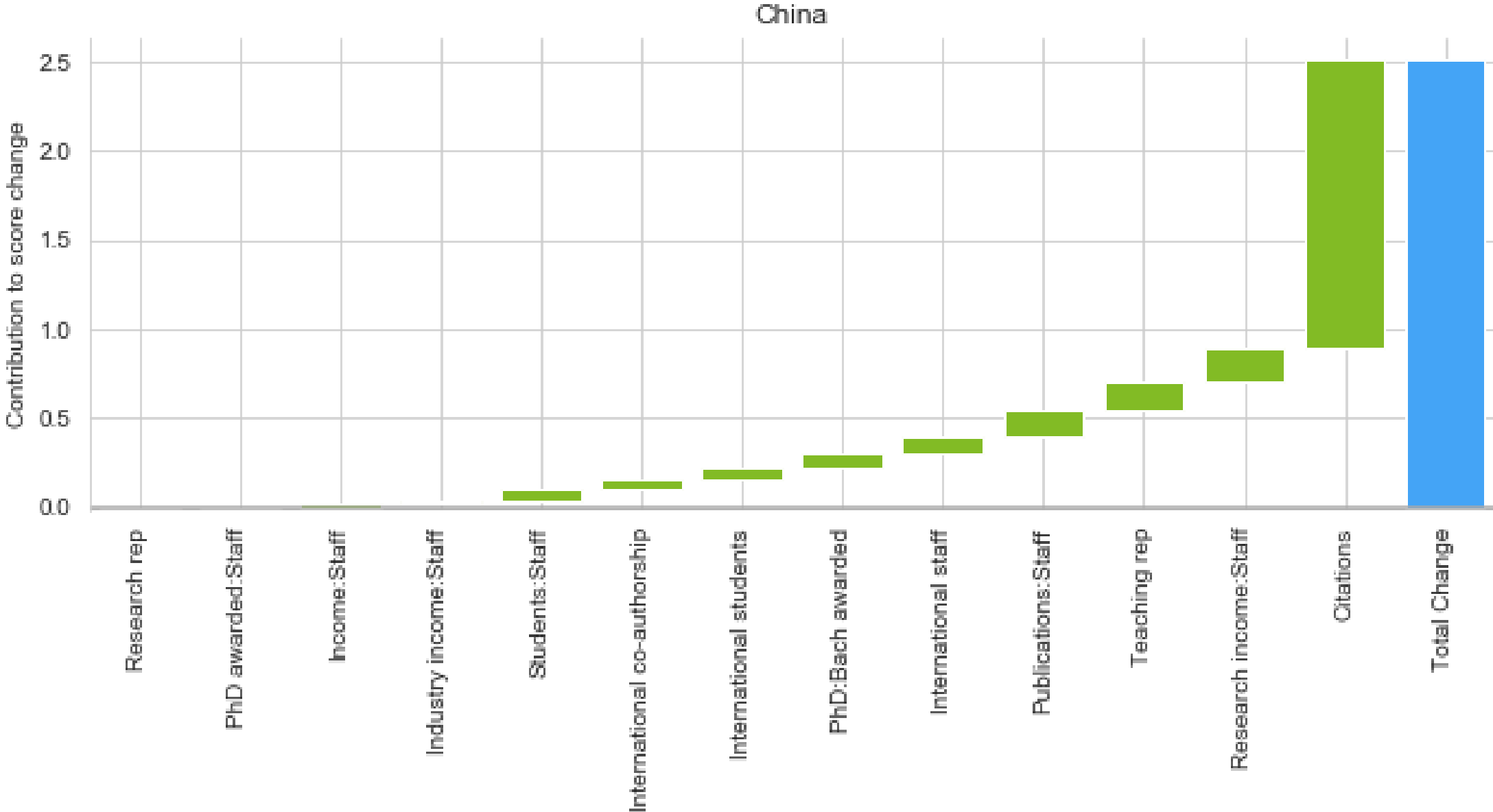


Year on year change: Russia



Year on year change: China

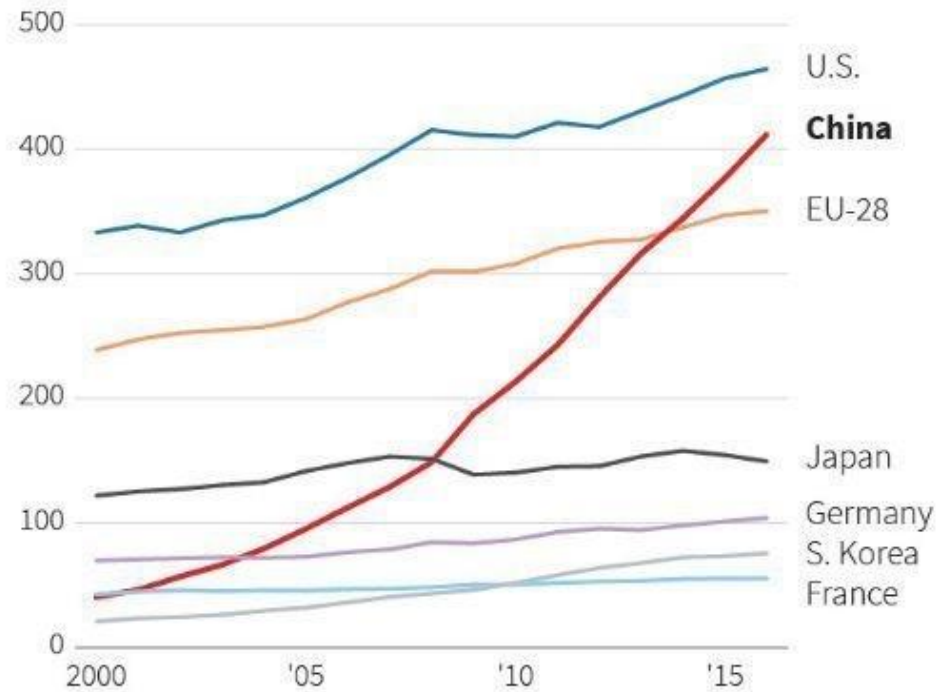
Country mean based on universities present in both years



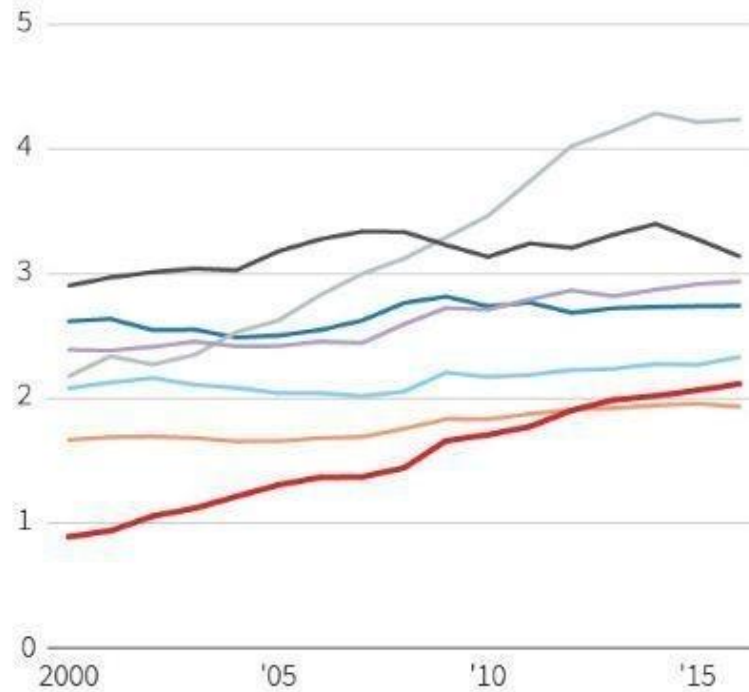
Research spending

China's spending on research and development in science and technology, surged ten-fold since 2000, while the U.S. spending grew a modest 39 percent in the same period.

SPENDING IN R&D - In million U.S. dollars



AS PERCENT OF GDP



Source: Organisation for Economic Cooperation and Development

C. Inton, 13/04/2017

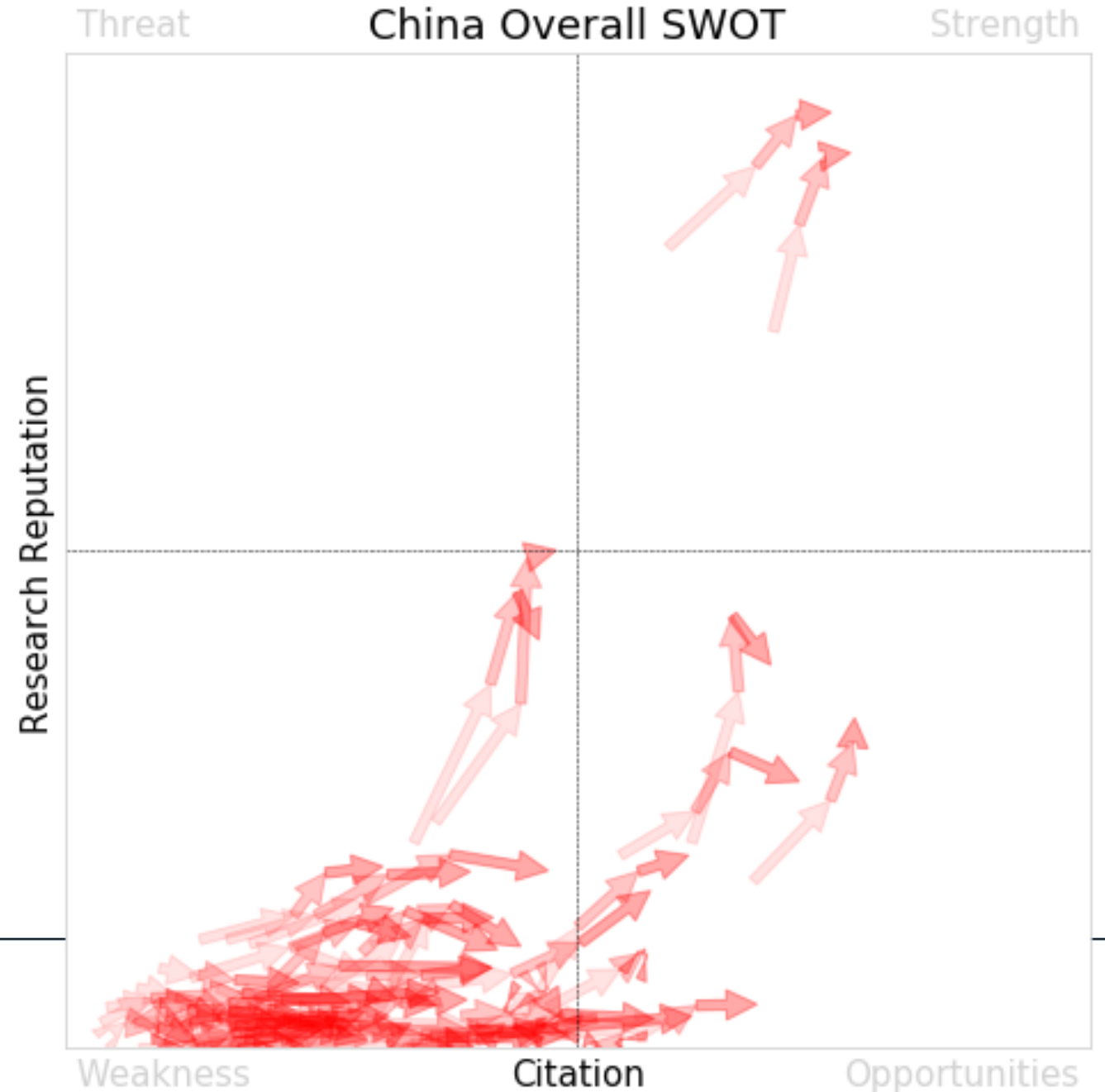


The US and China spend the most on R&D.

source wef via @mikequindazzi



Growing research strength and growing global recognition





In partnership with

ETH zürich

How talent thrives

10-12 September 2019,
Zürich, Switzerland

SUPER EARLY BIRD DISCOUNT

BOOK BEFORE 31 OCTOBER 2018

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