



World  
University  
Rankings 2024

# THE 2024 World University Rankings Data Masterclass – United Kingdom

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# World University Rankings 2024 Data Masterclass Agenda

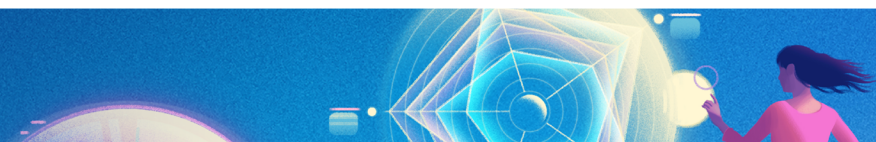
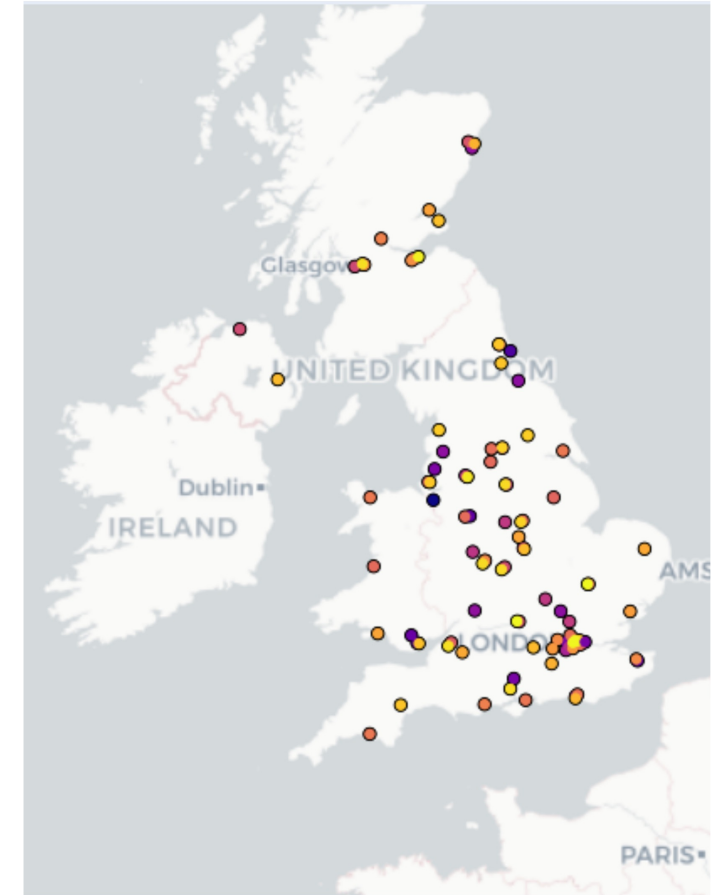
Methodology Review

UK Trends and Analyses

How to participate

Solutions

Q&A



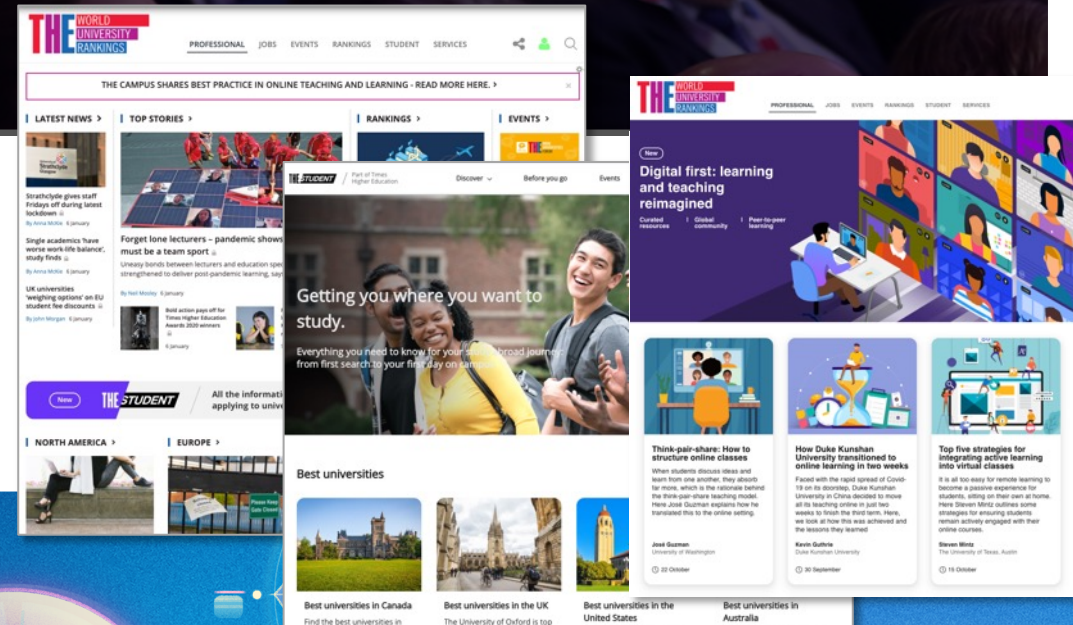
# 50+ Years of Insights

To help **universities** understand their position against their mission.  
To help **students** find and access the university best suited to their abilities and aspirations.  
To help **higher education** deliver transformational teaching, research and innovation.

1971

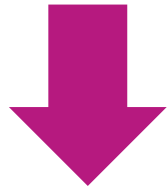


2023



# Our Rankings

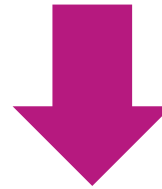
## TEACHING



**Focus:** student satisfaction, employer reputation, graduation rate + more

**Participation rules:** country specific

## RESEARCH



**Focus:** research output, research quality, research collaboration, reputation + more

**Participation rules:** 1,000+ publications over 5 years, teach undergraduates across a range of subjects

## IMPACT & SUSTAINABILITY

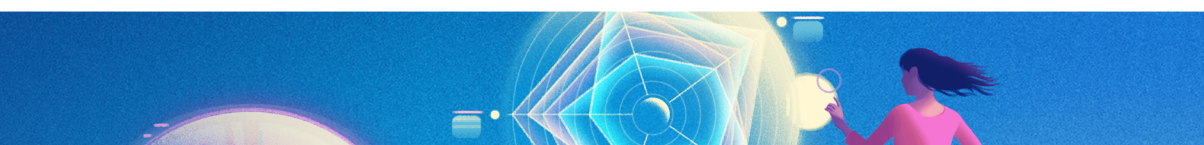
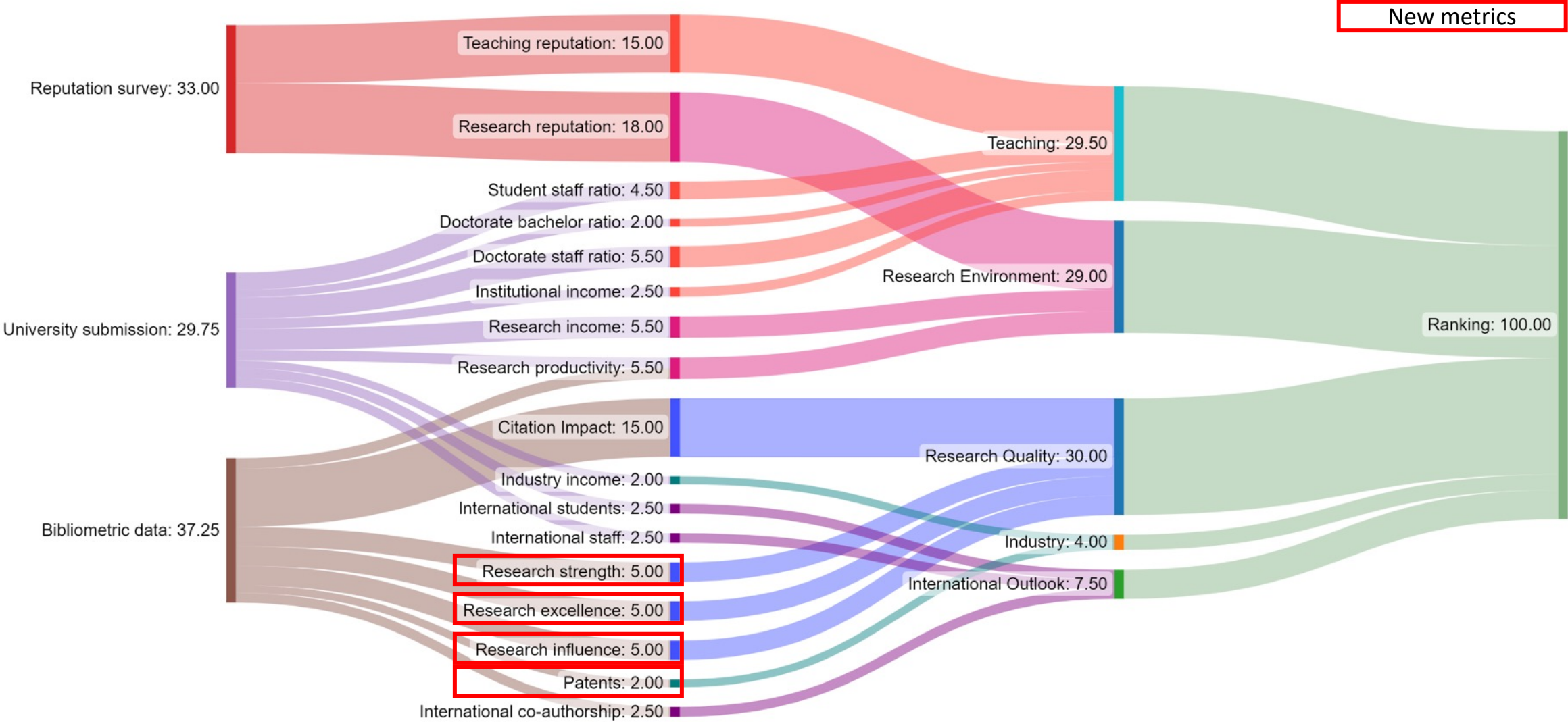


**Focus:** research, teaching, stewardship and outreach against the UN's 17 Sustainable Development Goals

**Participation rules:** all UG or PG higher education institutions



# Methodology



# The world's biggest university ranking

## Universities

The world's biggest university ranking

Universities submitted data

**2,673**

Number of countries represented

**127**

## Bibliometrics

In partnership with **ELSEVIER**

Research papers

**16.5m**

Citations

**134m**

## Universities Data

The world's largest data gathering exercise from universities

Data values

**411,789**

Data queries resolved

**34,455**

## Academic Survey

The world's largest academic survey

Respondents

**68,402**

Votes

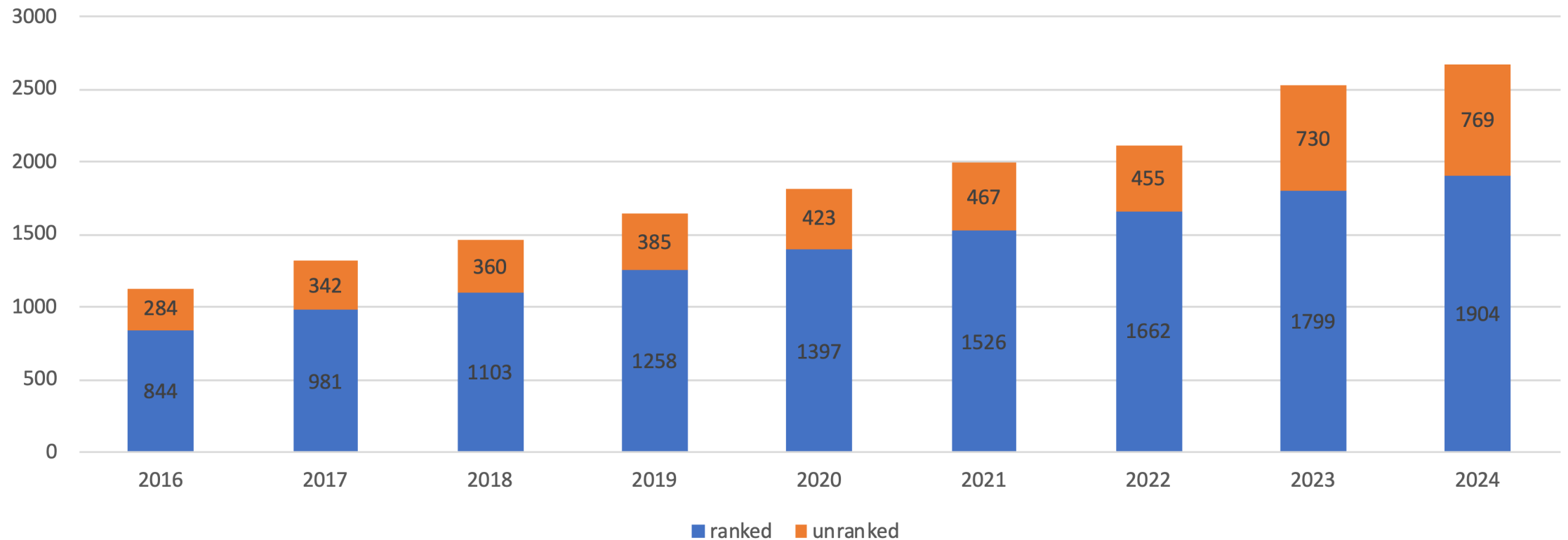
**944,509**

Countries

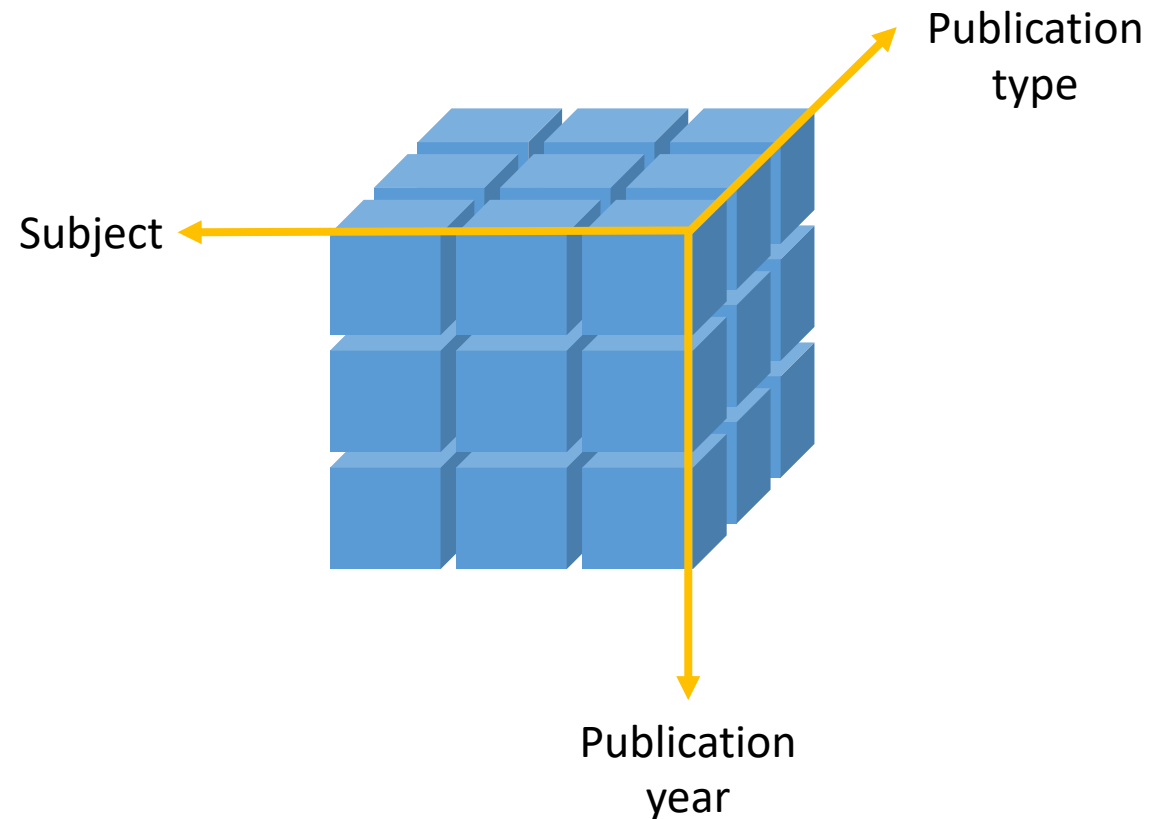
**166**

# 20<sup>th</sup> Anniversary of THE World University Rankings

Number of universities which submitted data to THE World University Rankings



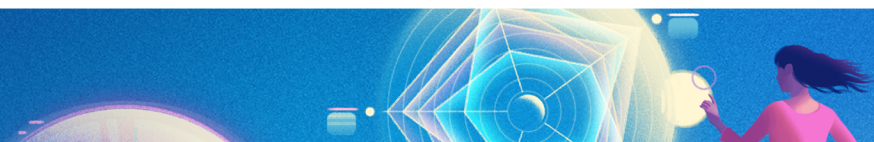
# What is Field Weighted Citation Impact?



Let's say I published a journal article in 2019 on artificial intelligence, and it received 6 citations so far...

...and the average number of citations received by publications of the same type, same year and same subject is 2...

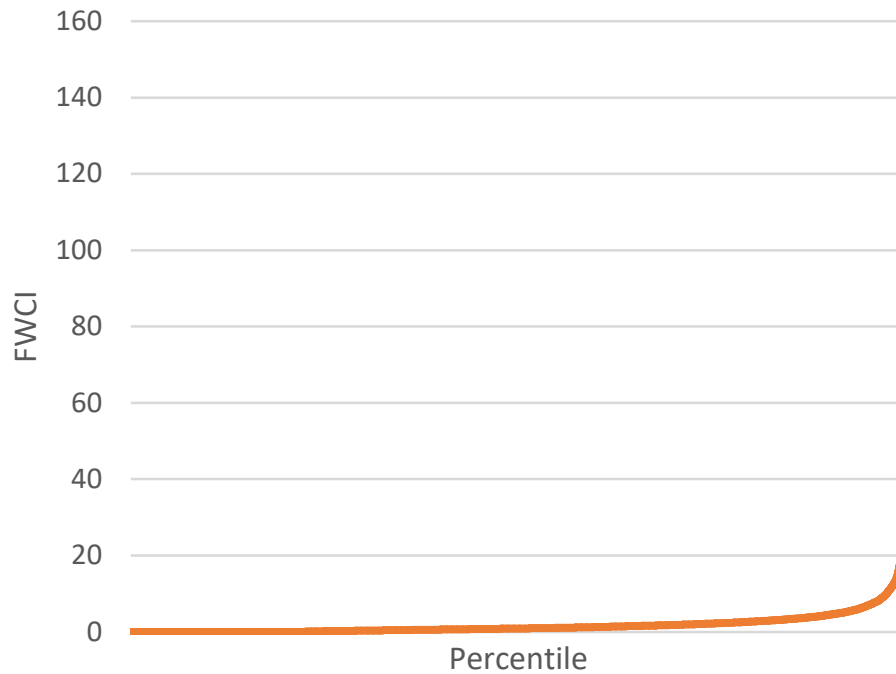
...then the FWCI of this publication is  $6/2 = 3$



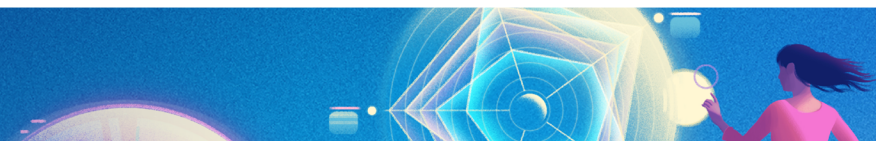
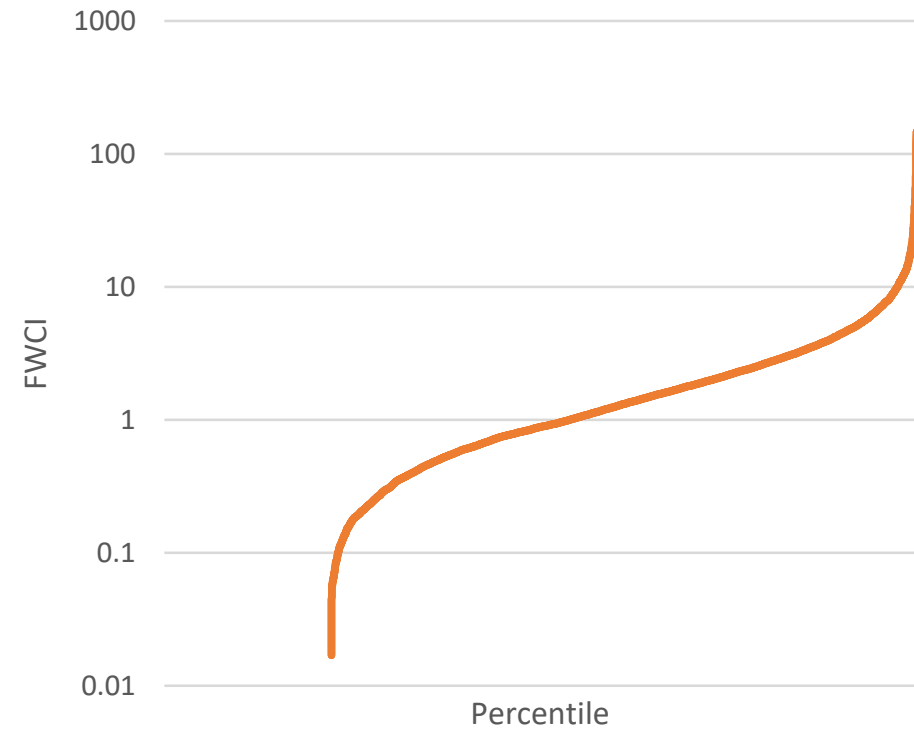


# What about FWCI of an author or an institution?

FWCI of a tech oriented university in East Asia

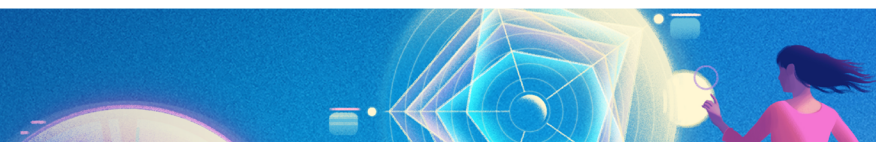
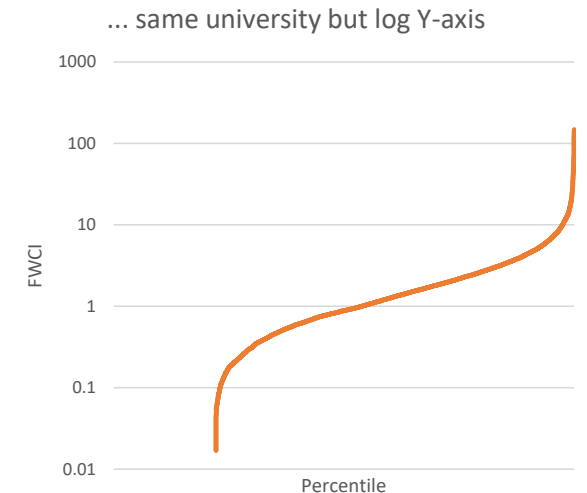


... same university but log Y-axis



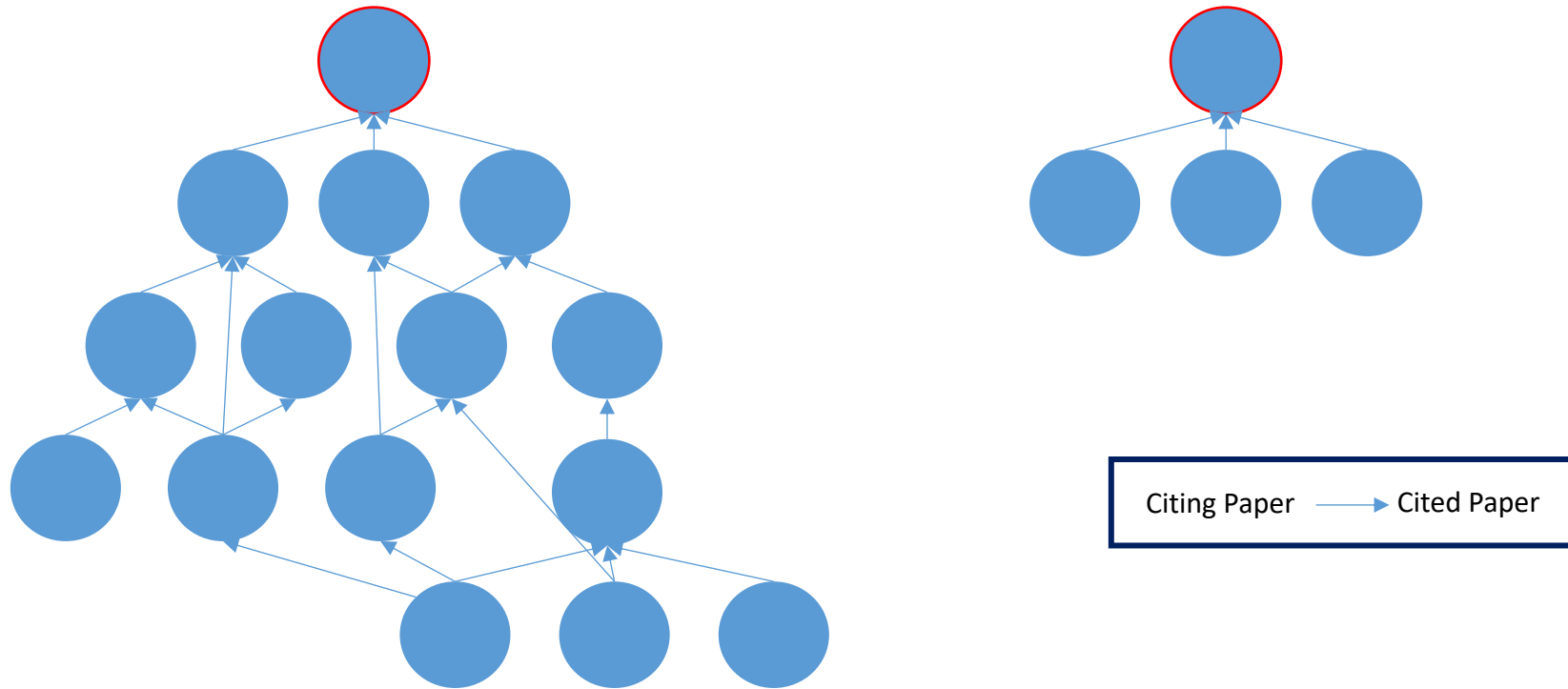
# THE World University Rankings Research Quality Metrics

- Citation Impact – Mean FWCI of an institution’s output, but with tweaks
  - Kilo-author papers
  - Country normalisation
- Research Strength – 75<sup>th</sup> percentile FWCI of an institution’s output
- Research Excellence – Number of papers in top 10 percent by FWCI
- Research Influence – Different from others research quality metrics
  - Not all citations are created equal
  - Citations from important papers counts more
  - How to define “important papers”?



# Research Influence - Papers

Both papers have 3 citations. Which one is likely to be more “influential”?

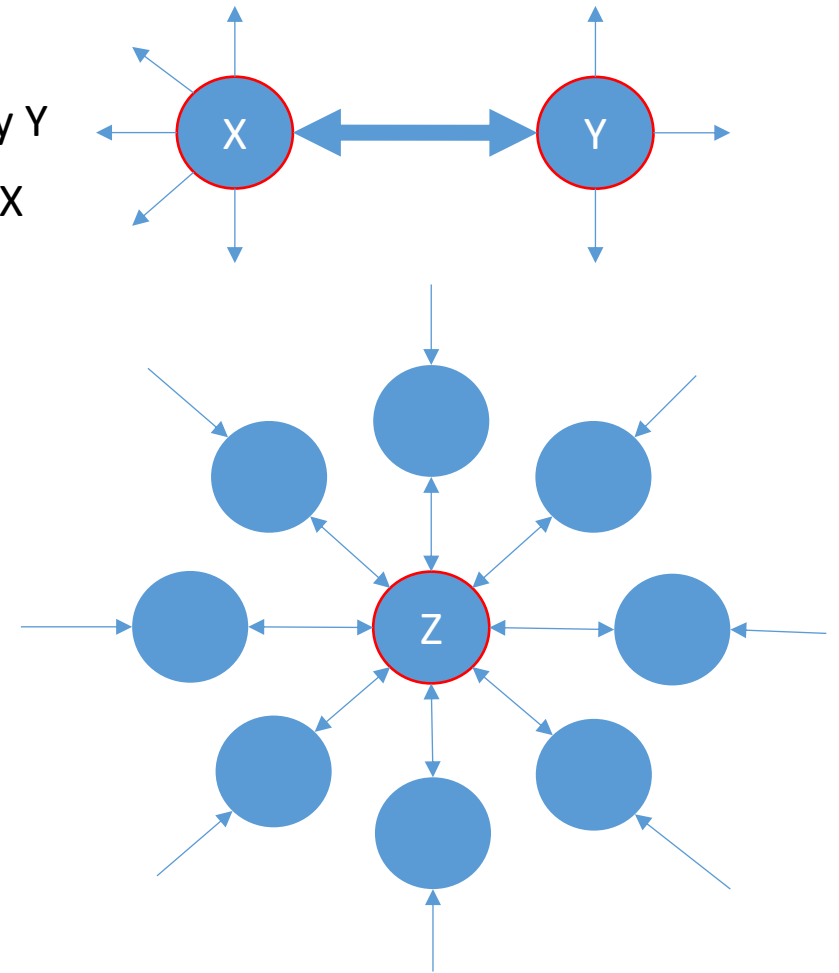


# Research Influence - Universities

In Computer Science in 2022:

- University X has a set of papers with 1000 citations, all from University Y
- University Y has a set of papers with 900 citations, all from University X
- Papers from X & Y universities do cite other universities papers
- University Z has a set of papers with 800 citations, from universities around the world, including universities who receive over 10000 citations for all their papers

**Papers from University Z had the least citations, but it is the most influential university of these 3.**



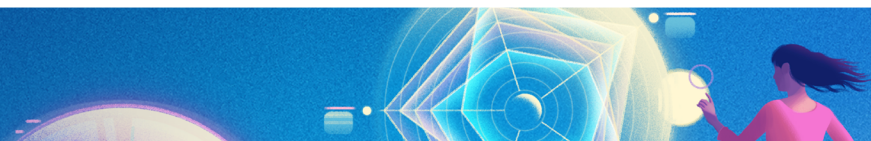
# Research Influence – What is it?

Research Influence looks at the network of citations around papers to understand what impact they are having around the world.

In essence, it works like a popularity contest for papers. It's not just about the quantity of citations but also the quality, with citations from reputable papers carrying more weight.

Each paper gets an influence score based on how many other papers cite it and how influential those citing papers are. If a lot of influential papers cite a paper, it gets a higher influence score.

The calculation for Research Influence is based on Google's "[Page Rank](#)" algorithm.



# Research Influence – How it works

Papers start with the same influence

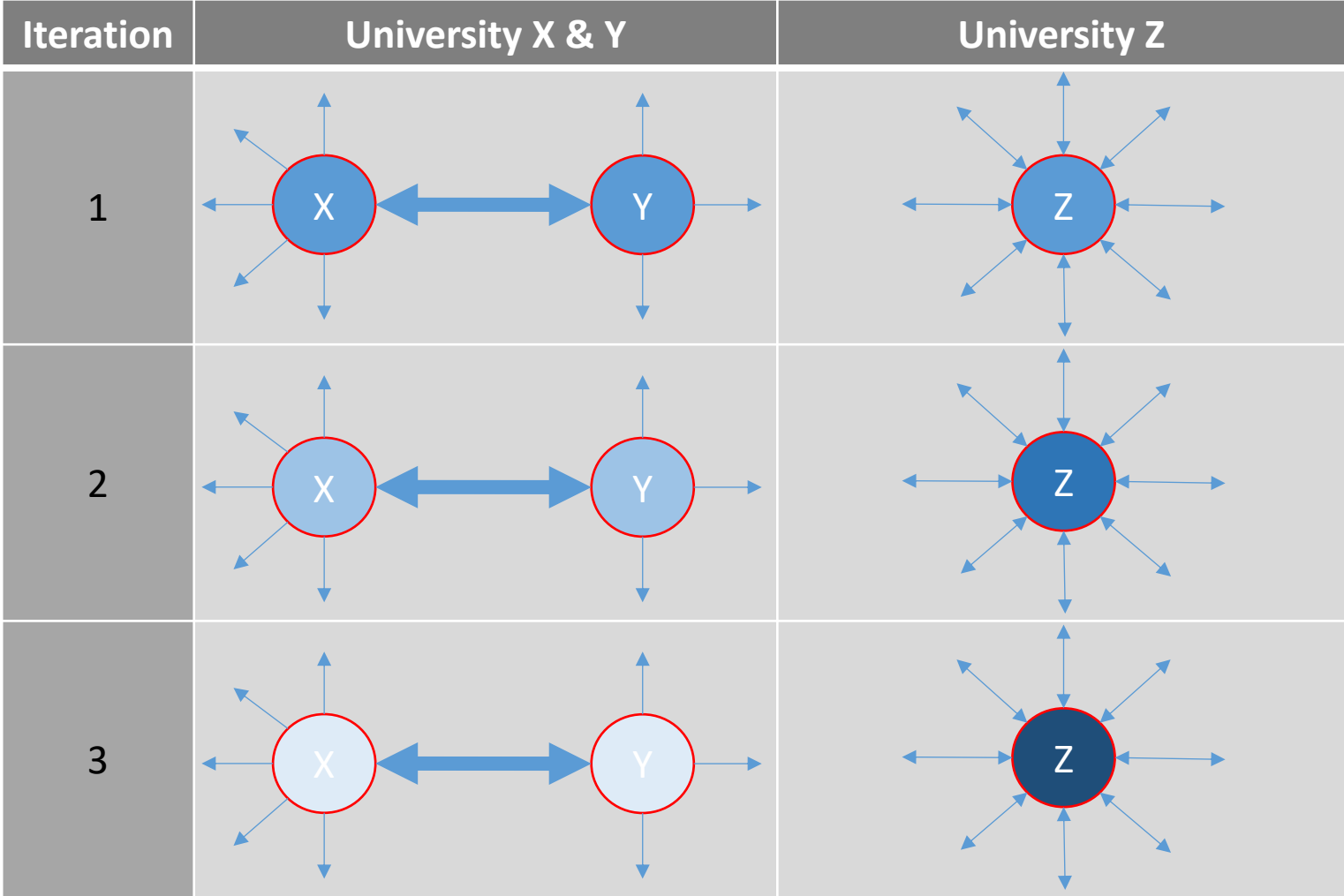
We can then think of some of a papers influence being shared amongst the papers it cites

This process is repeated multiple times through a number of iterations (page rank is an iterative algorithm)

The effect is that papers that are well connected receive more influence scores than from papers that aren't

This is then rolled up to the university level to calculate university influence

*The diagram shows the effect at university level which is an aggregation of the papers produced by the university; this is done to aid understanding. The algorithm works at the paper level.*

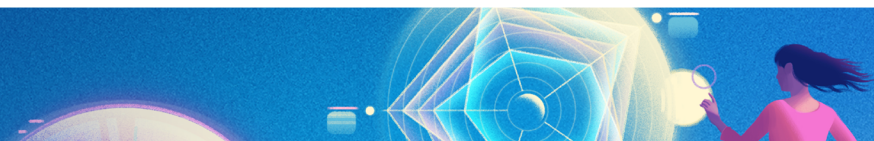


Deeper Blue indicates more Research Influence



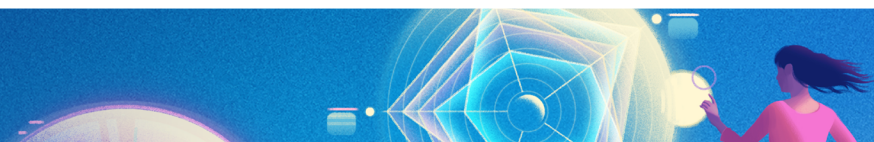
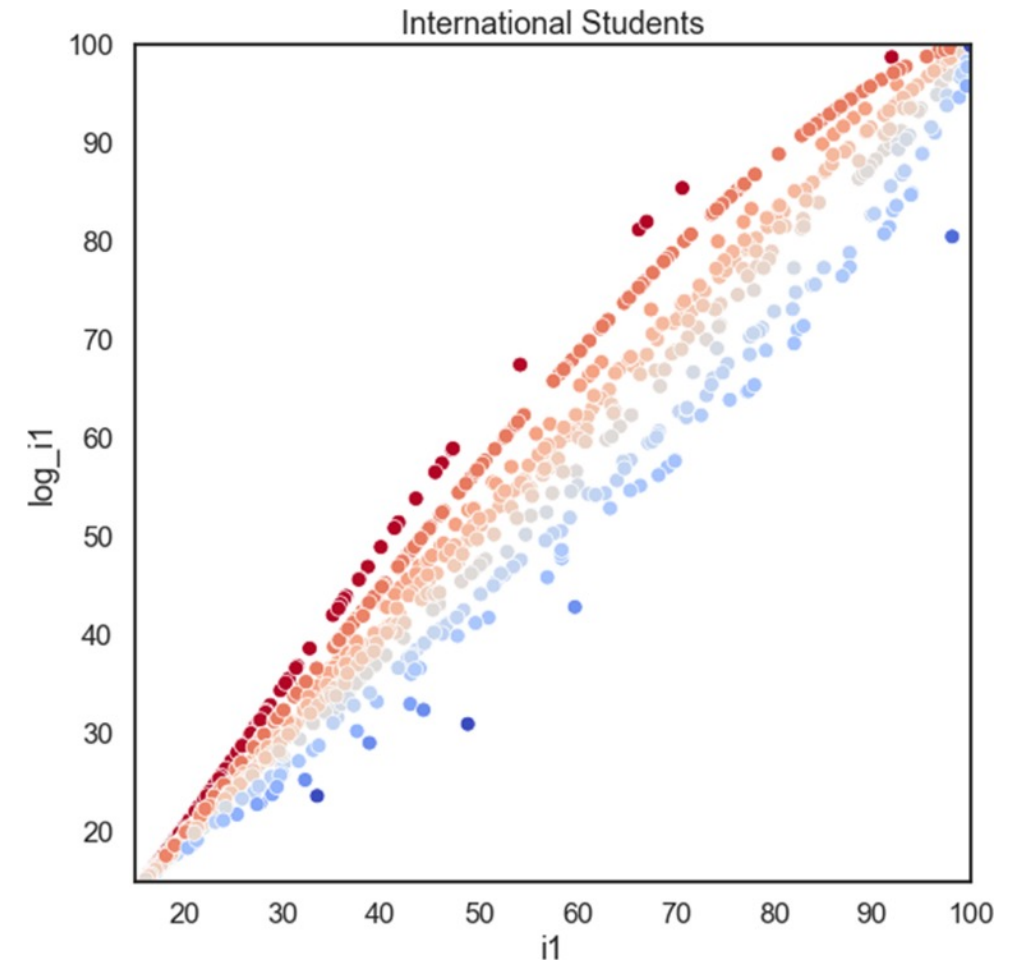
# Industry: Patents

- The extent to which universities are supporting their national economies through technology transfer is an area that deserves greater recognition. We will be introducing an additional measure.
- Directly measures research output, specifically how much an institution's research is cited by patents. This is similar to one that we already use within the THE Impact Rankings (in SDG 9: Industry, Innovation and Infrastructure).
- This measure is subject weighted to avoid penalising universities producing research in fields low in patents.
- This is a count of patents, normalised by staff numbers.



# International Outlook

- Large countries had been disadvantaged compared to small countries in our international metrics, in that it is “easier” for staff and students in small countries to work/study abroad.
- The existing metrics is now normalised to account for the populations size:
  - Proportion of international students
  - Proportion of international staff
  - Proportion of publications with at least one co-author from an international institution
- New Studying abroad metric at zero weight



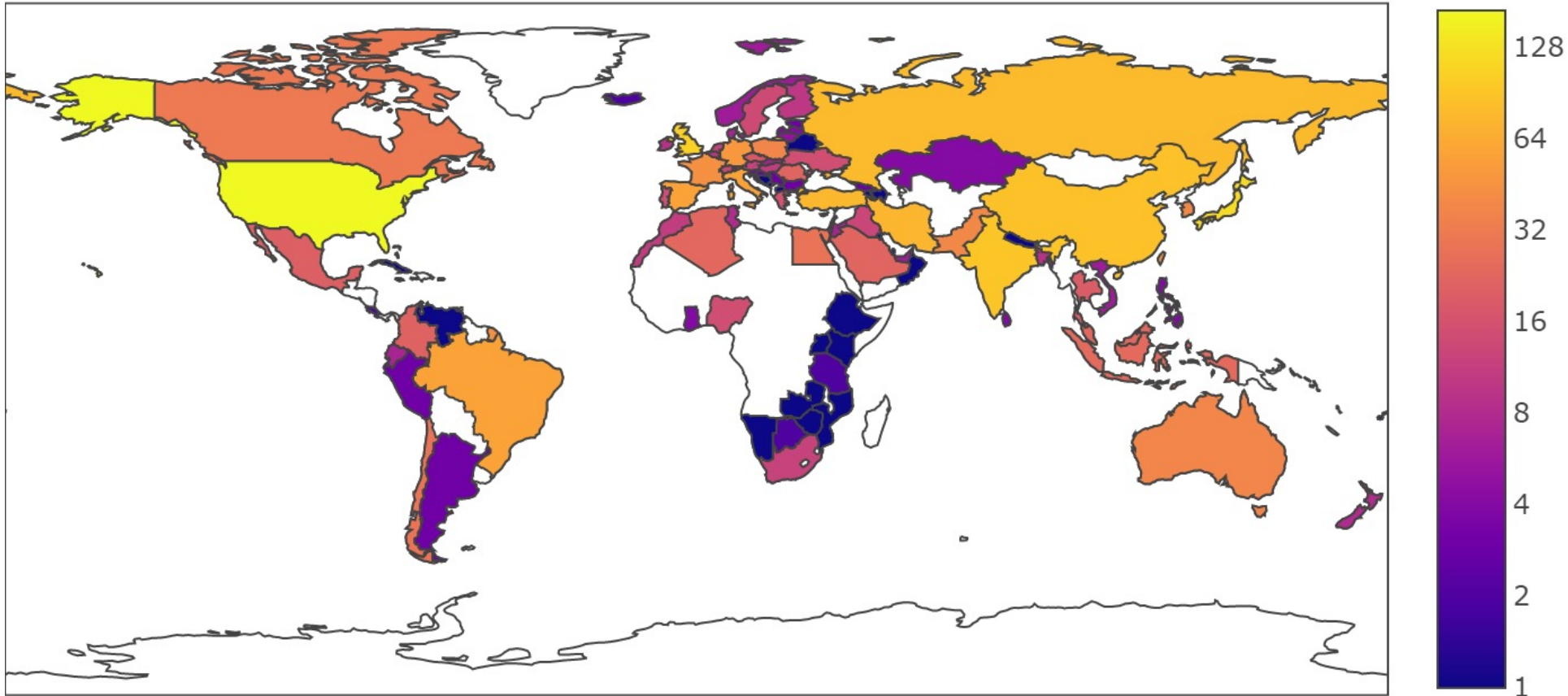


# UK Trends and Analyses



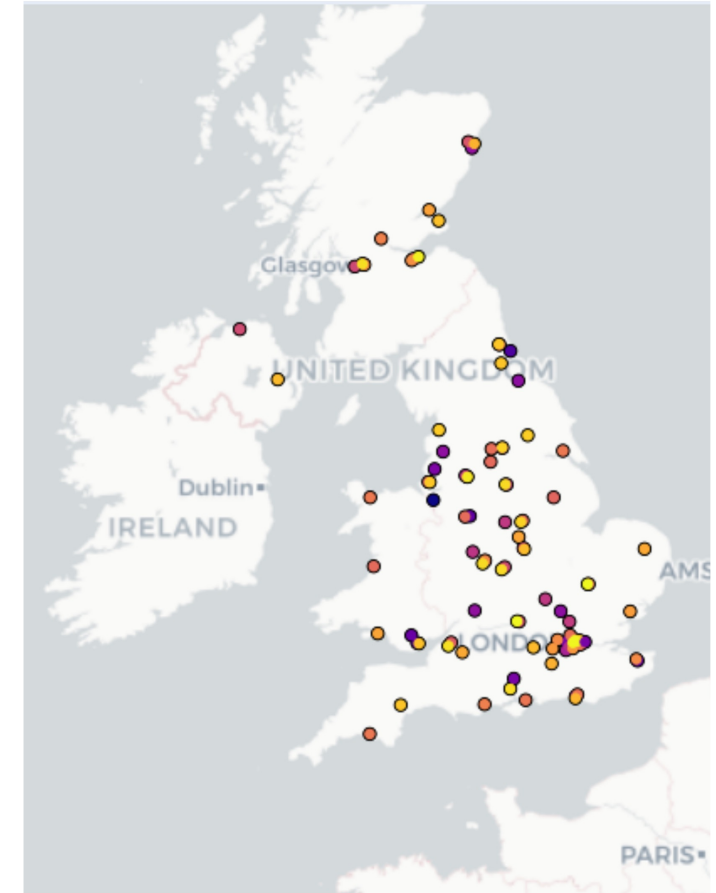
# Universities per country/region in the World in WUR 2024

There are a total of 1904 institutions ranked in the World University Rankings 2024, from 108 countries, plus 769 Reporters. 104 institutions from United Kingdom were ranked, which is the 3rd highest in the World. There were also 59 UK Reporters.



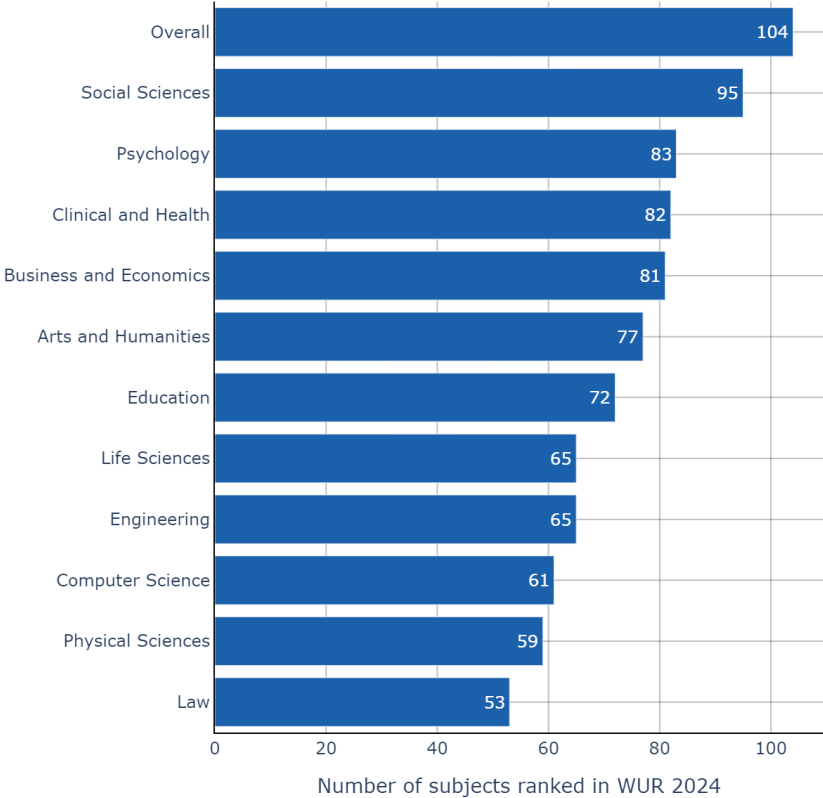
# Global Top 10

Institution	Country	This year	Last year
University of Oxford	United Kingdom	1	1
Stanford University	United States	2	=3
Massachusetts Institute of Technology	United States	3	5
Harvard University	United States	4	2
University of Cambridge	United Kingdom	5	=3
Princeton University	United States	6	7
California Institute of Technology	United States	7	6
Imperial College London	United Kingdom	8	10
University of California, Berkeley	United States	9	8
Yale University	United States	10	9

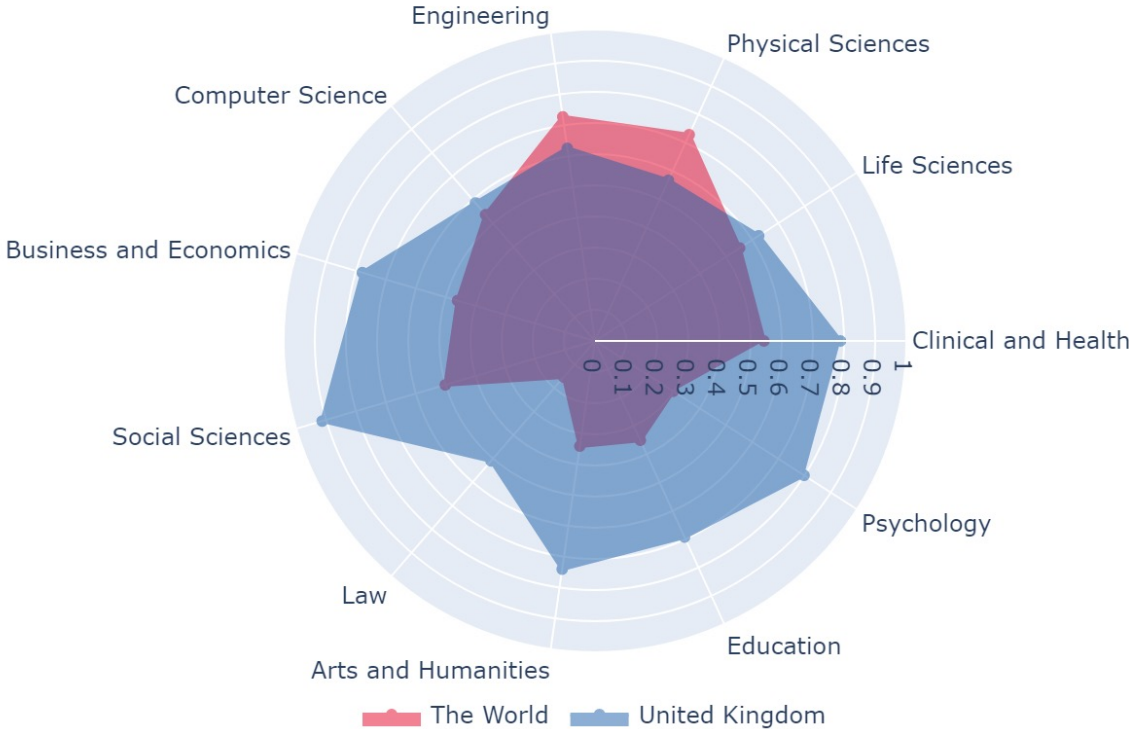


# UK vs the World WUR 2024 subjects analysis

United Kingdom subjects ranked in WUR 2024



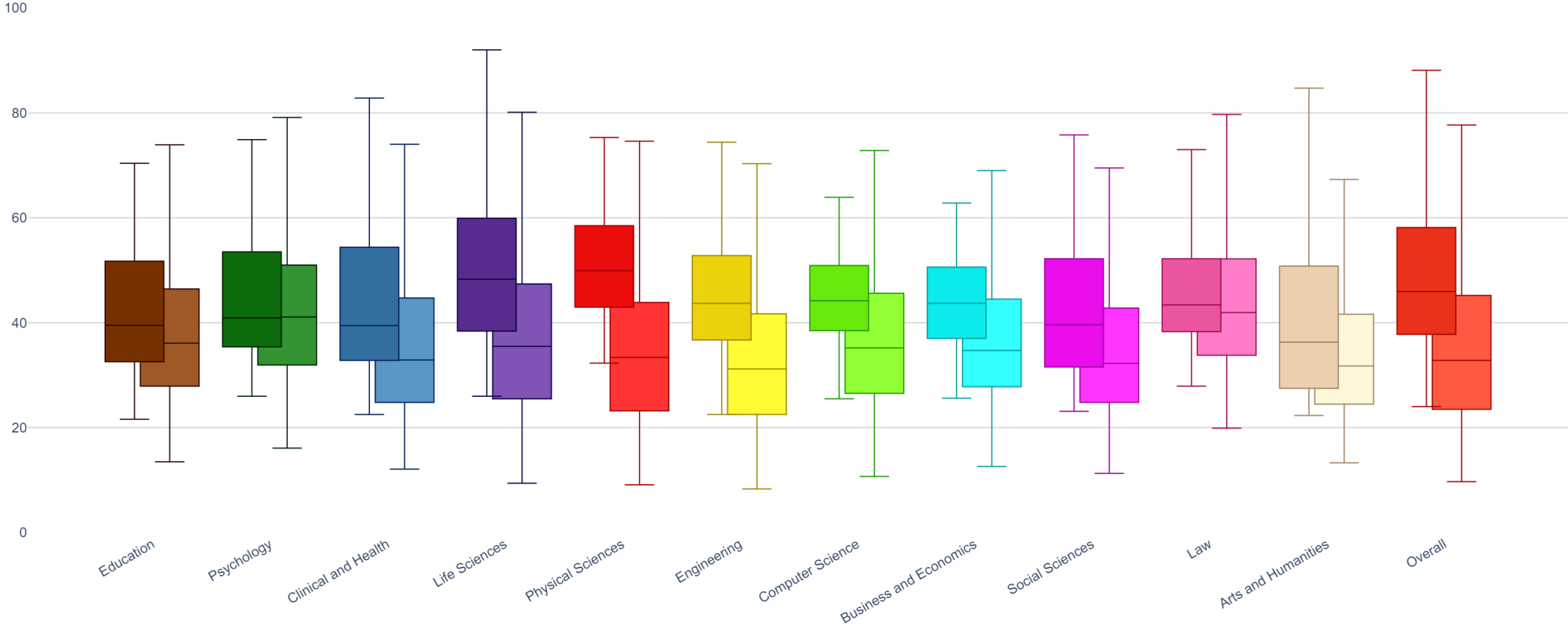
Percentage of universities with subjects ranked in WUR 2024



Across United Kingdom, Social Sciences was the most frequently ranked subject in 2024 where it was ranked for 95 universities. Law was the least frequently ranked subject in 2024 with just 53 universities ranked.

# UK vs the World WUR 2024 subjects comparison

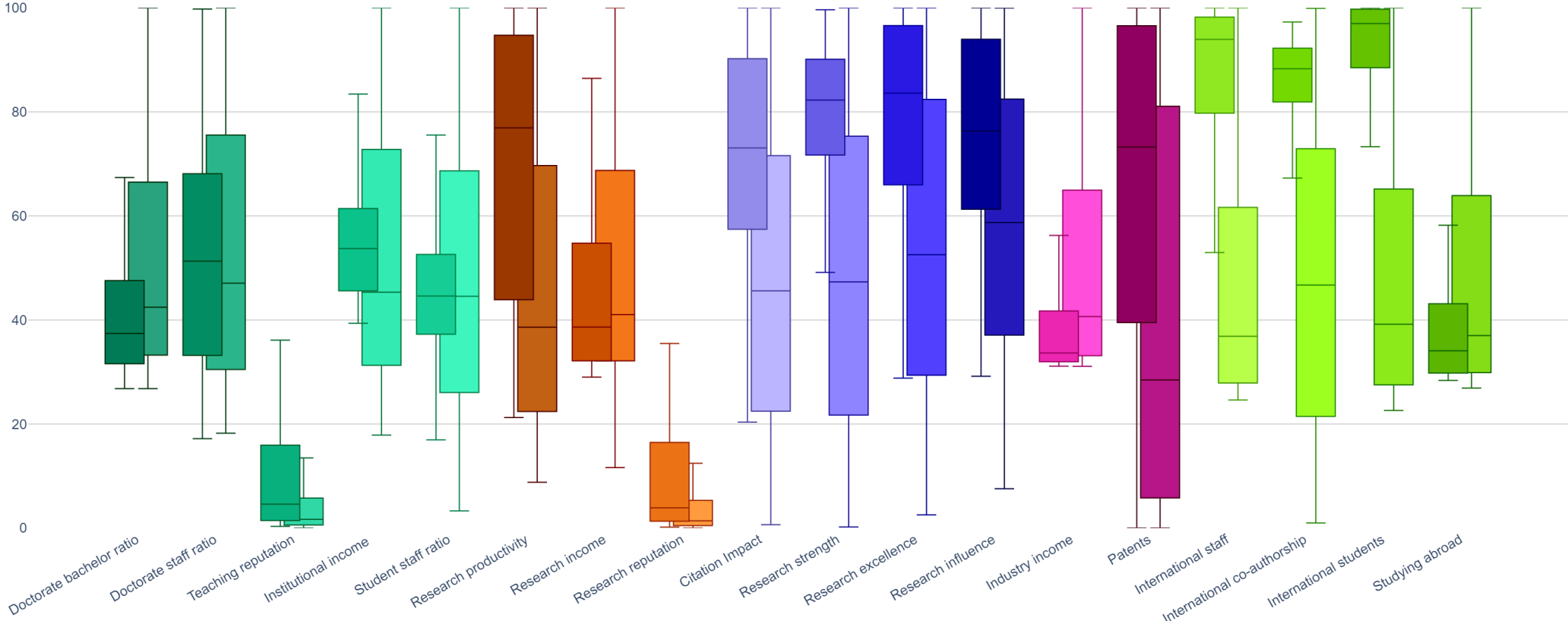
United Kingdom vs The World World University Rankings 2024 subjects boxplot



The boxes for United Kingdom are on the left, the boxes for The World are on the right

# UK vs the World WUR 2024 metrics comparison

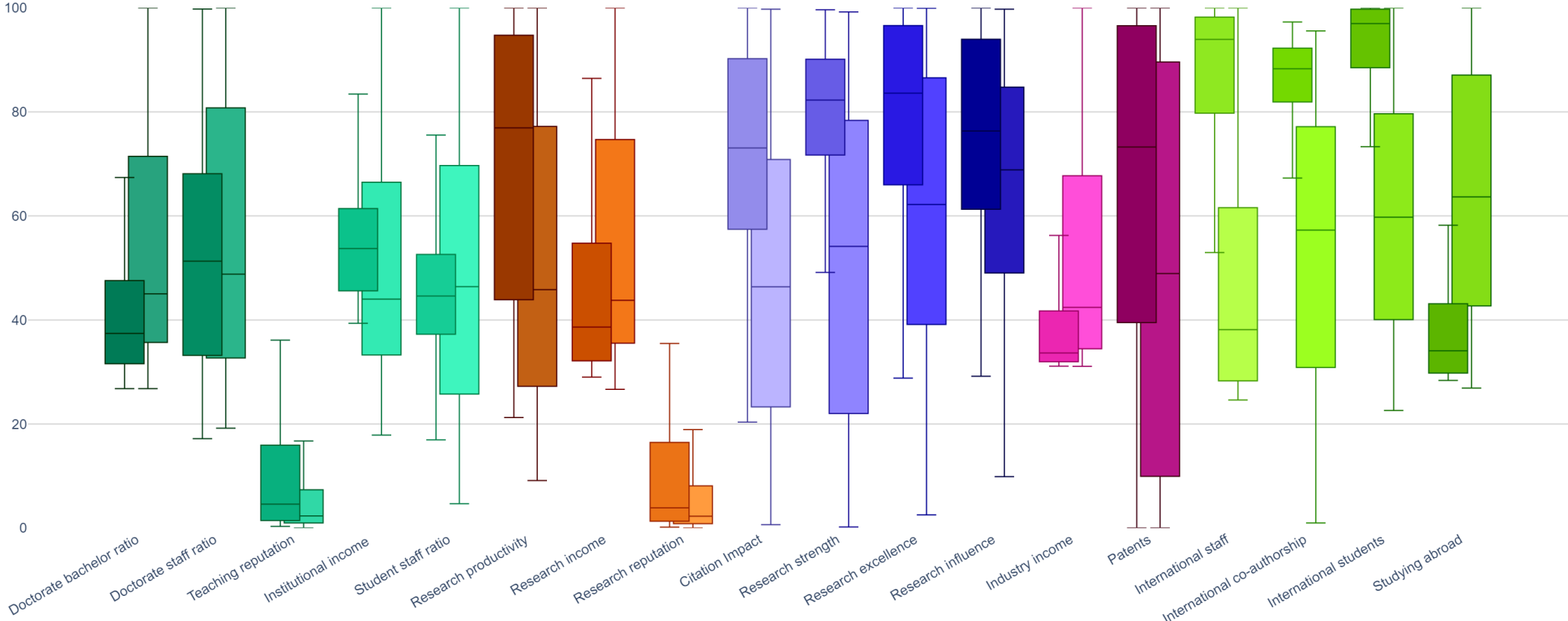
United Kingdom vs The World World University Rankings 2024 metrics boxplot



The boxes for United Kingdom are on the left, the boxes for The World are on the right

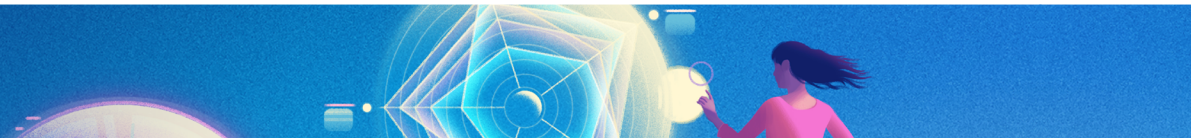
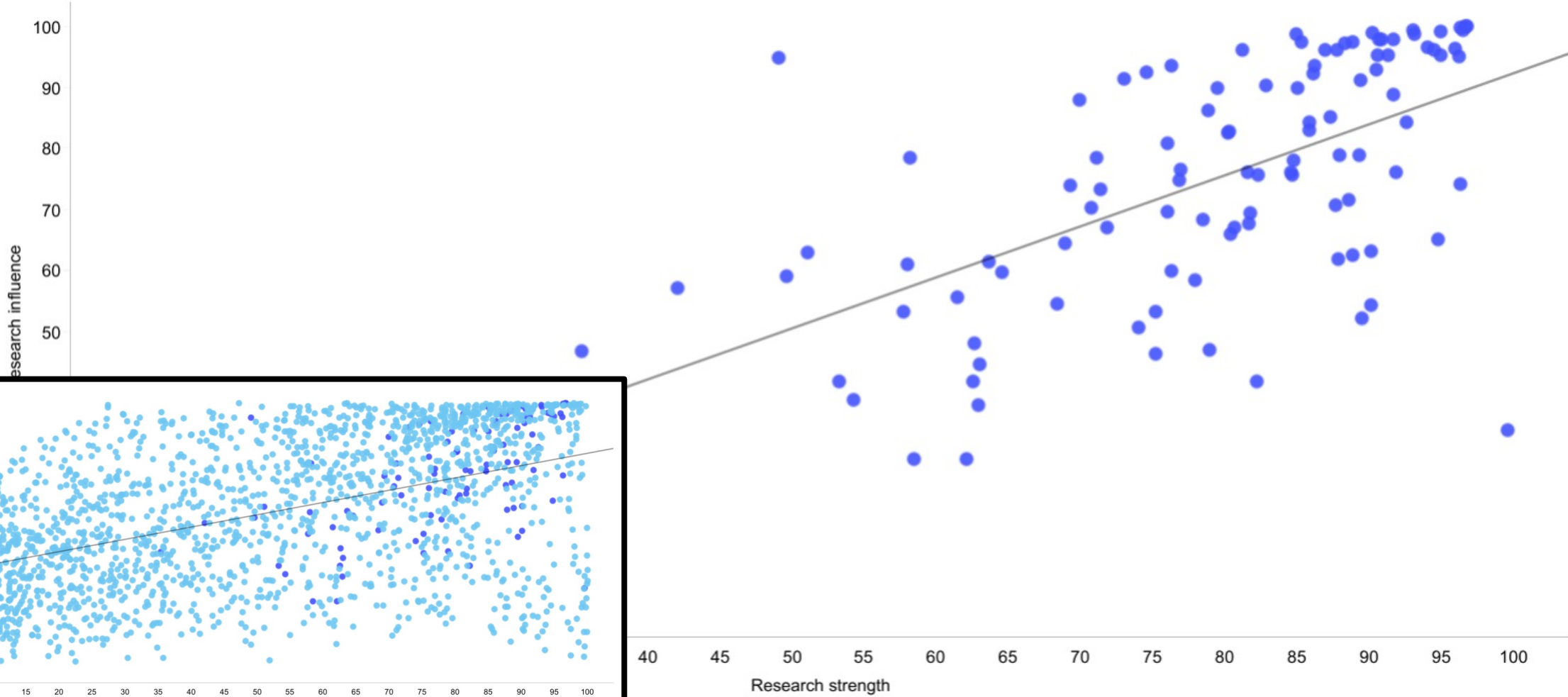
# UK vs Europe WUR 2024 metrics comparison

United Kingdom vs Europe World University Rankings 2024 metrics boxplot



The boxes for United Kingdom are on the left, the boxes for Europe are on the right

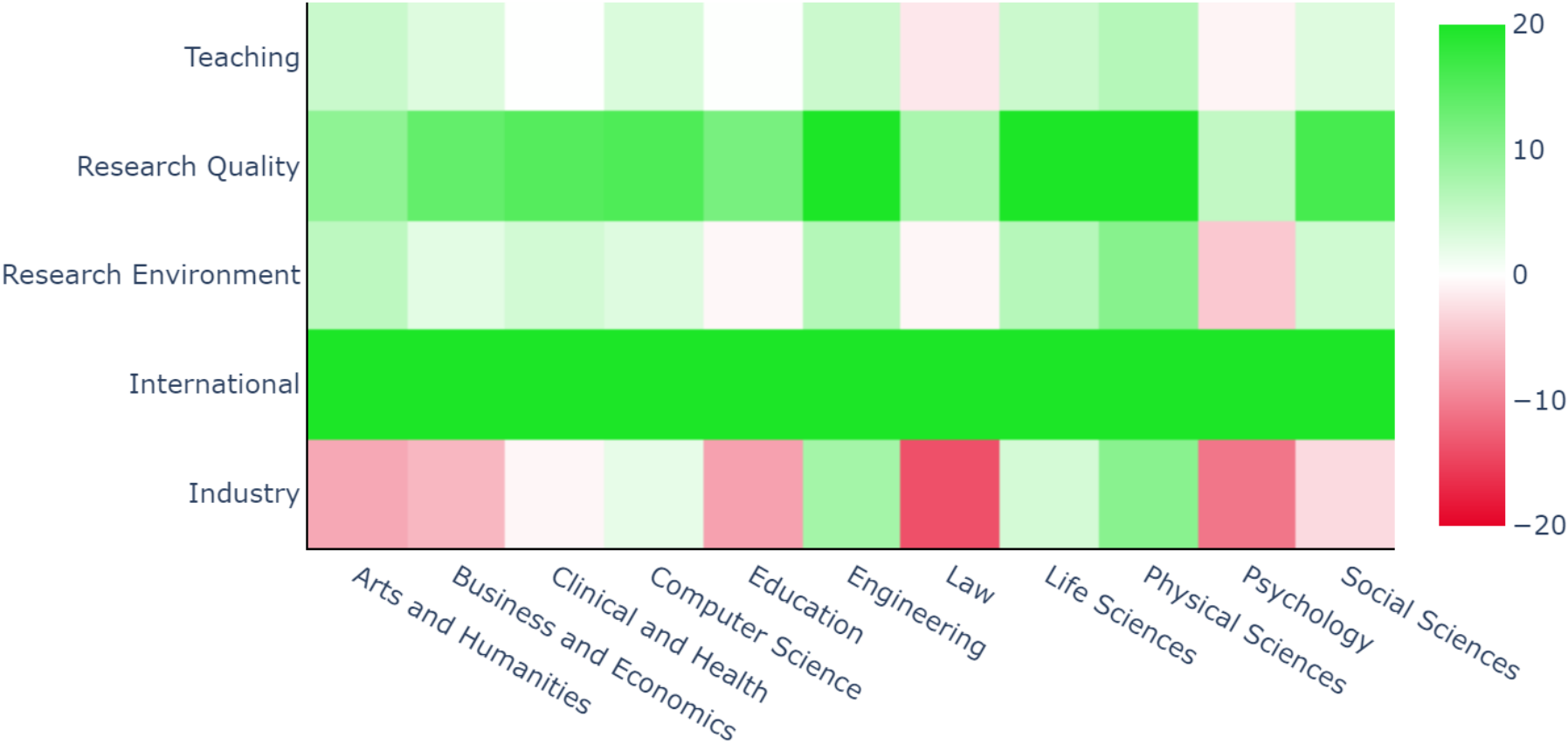
# UK Research Strength vs Research Influence





# UK vs the World WUR 2024 comparison heatmap

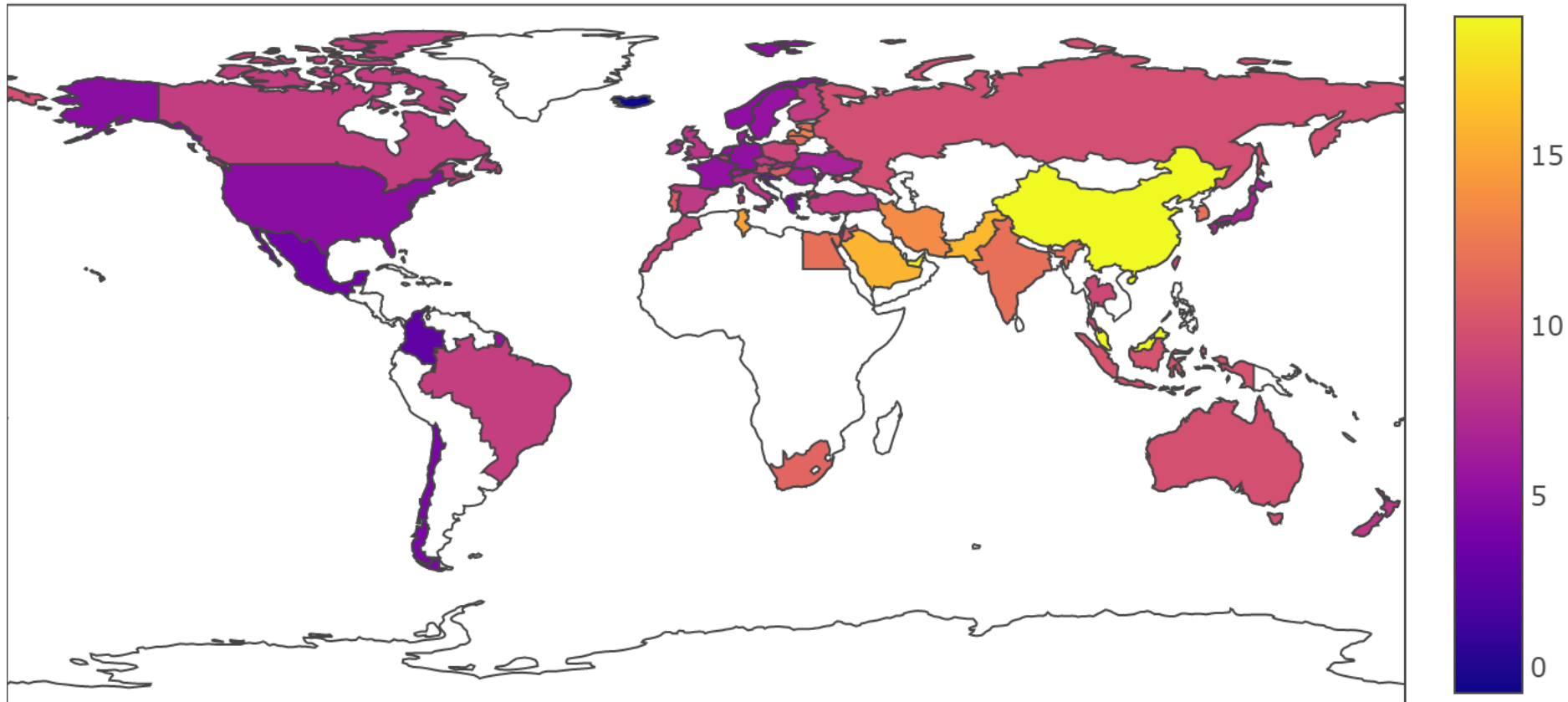
United Kingdom vs The World WUR 2024 Comparison Heatmap



The heatmap shows the difference in scores between United Kingdom and the World, with green representing a higher score for United Kingdom

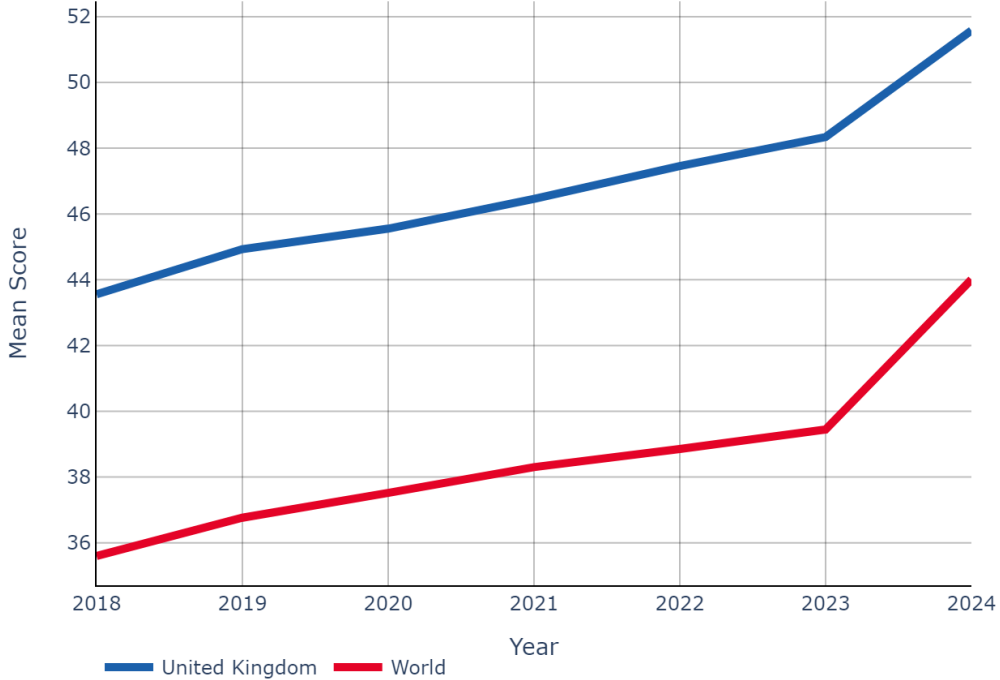
# Countries/Regions average WUR score changes 2018-2024

The WUR Score for United Kingdom has increased by an average of **8.0** between 2018 and 2024, World has increased by an average of **8.4** during the same period.

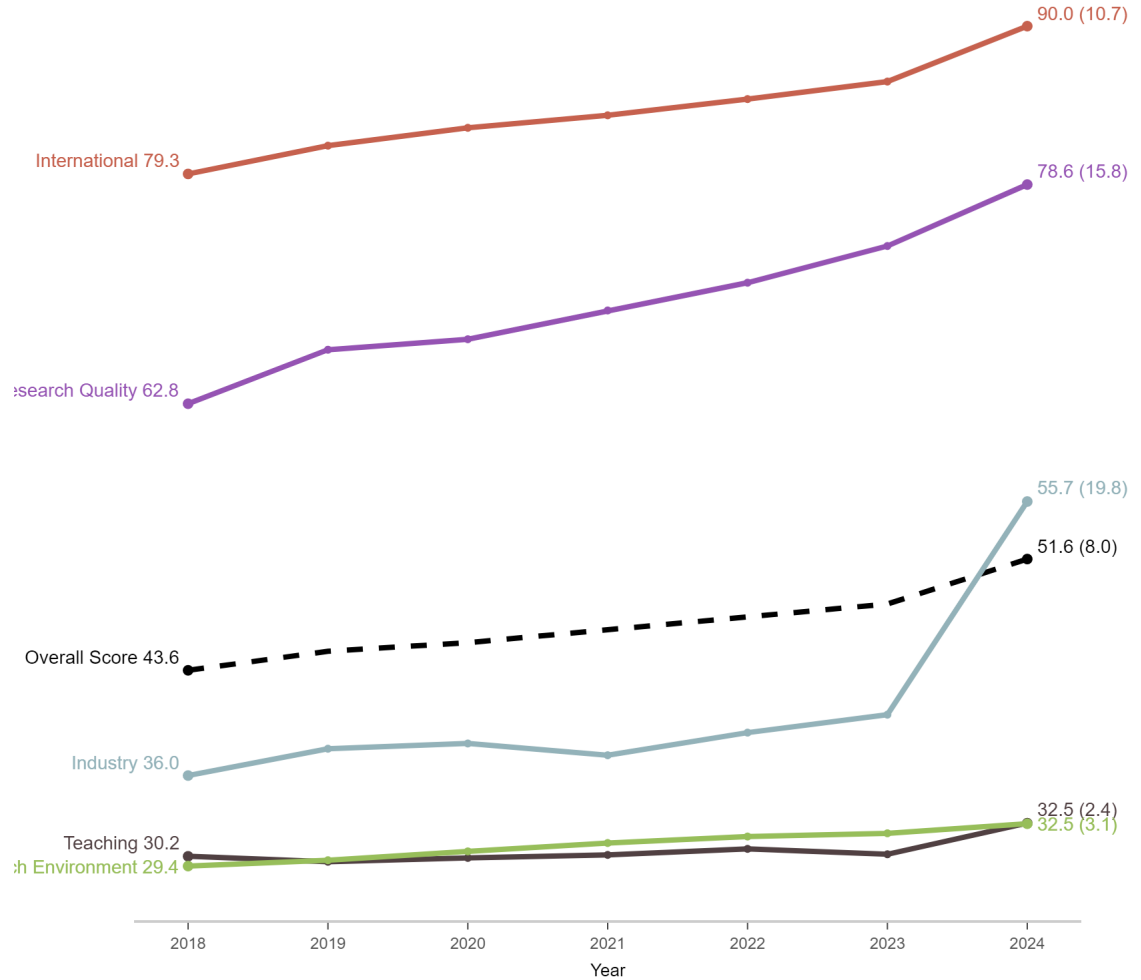


# UK changes in WUR scores 2018-2024

United Kingdom vs World changes in mean WUR score 2018-2024



United Kingdom in World: Changes in WUR pillar scores 2018-2024

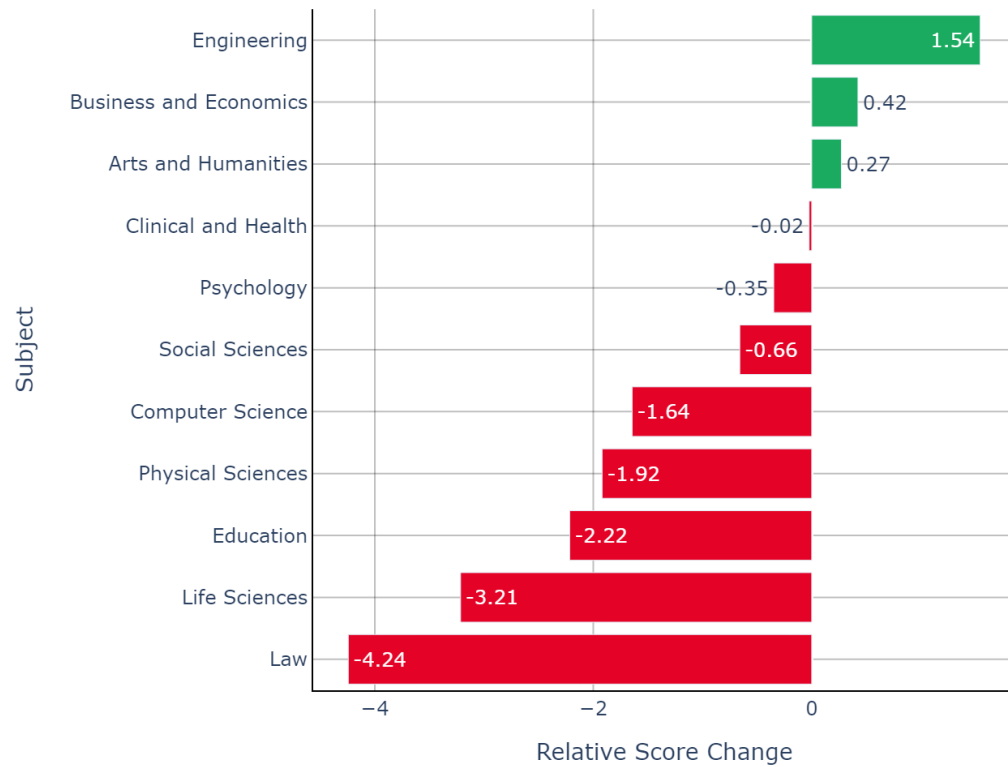


The WUR Score for United Kingdom has increased by an average of 8.0 between 2018 and 2024, World has increased by an average of 8.4 during the same period.

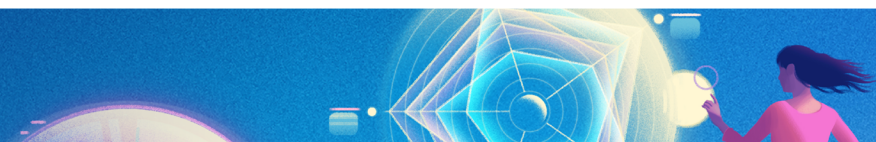
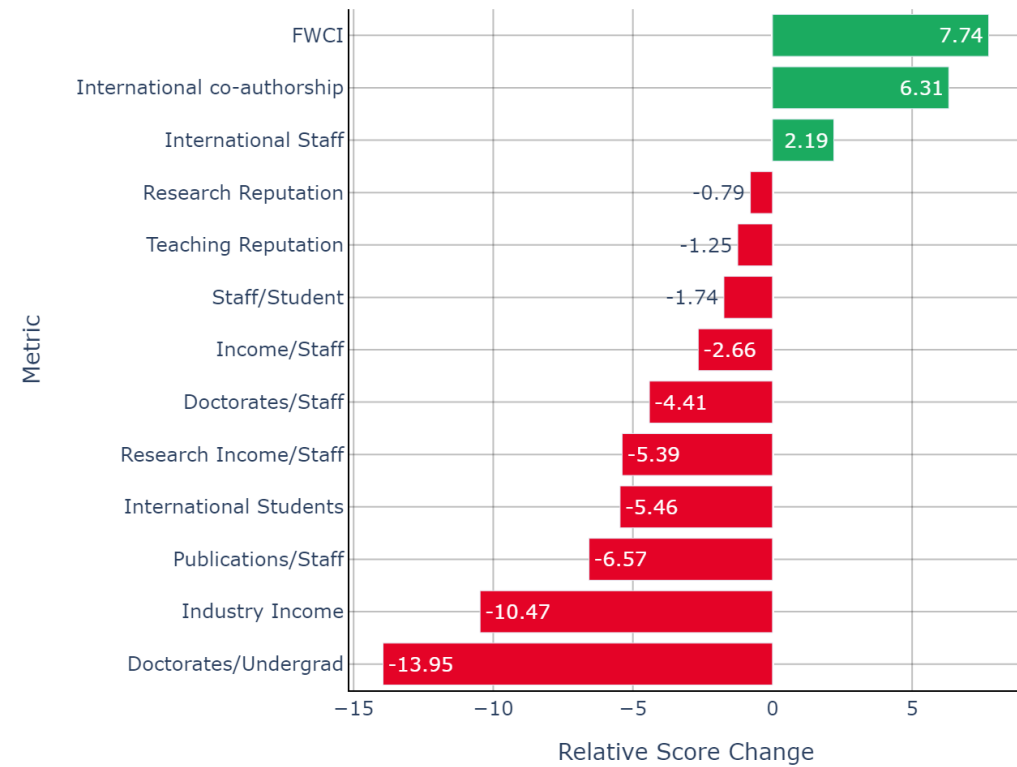


# Subject and Metric Trend Analysis 2018-2024

United Kingdom vs World Subject Relative Score Change 2018-2024

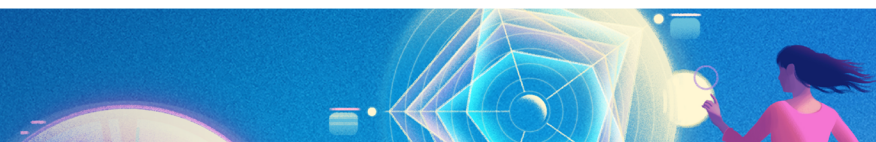
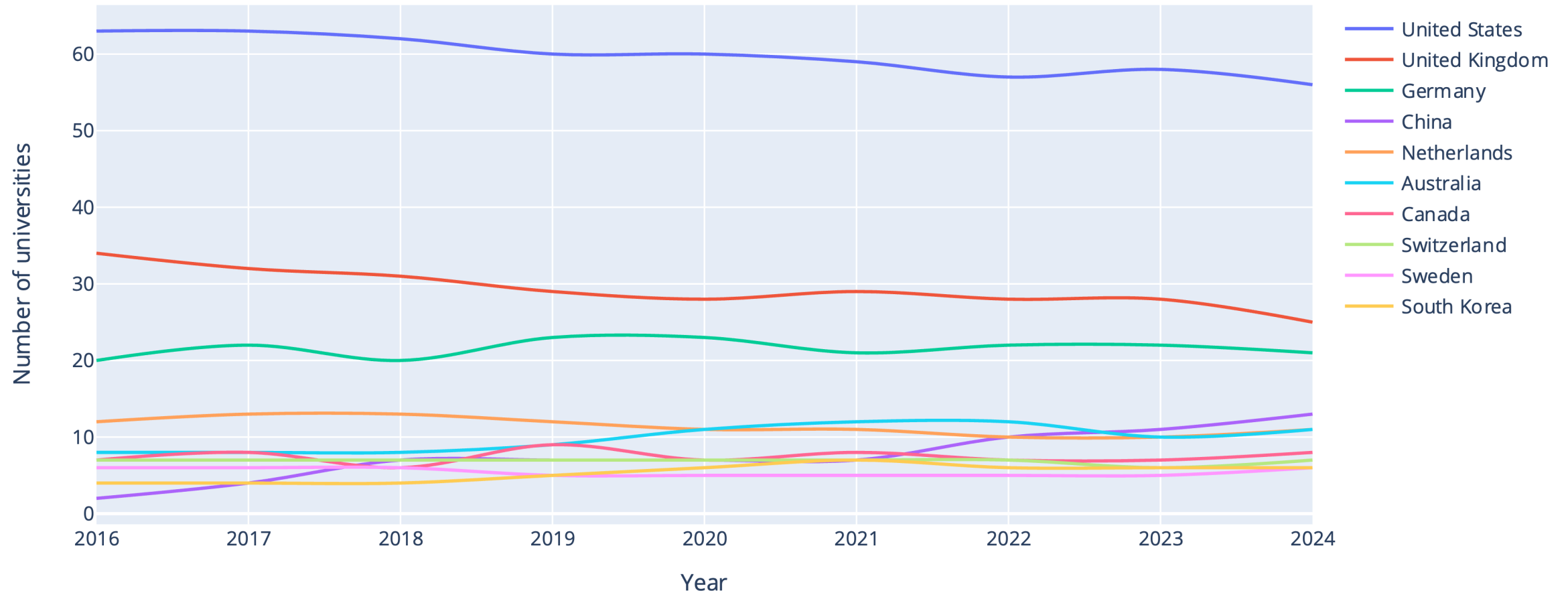


United Kingdom vs World Metric Relative Score Change 2018-2024



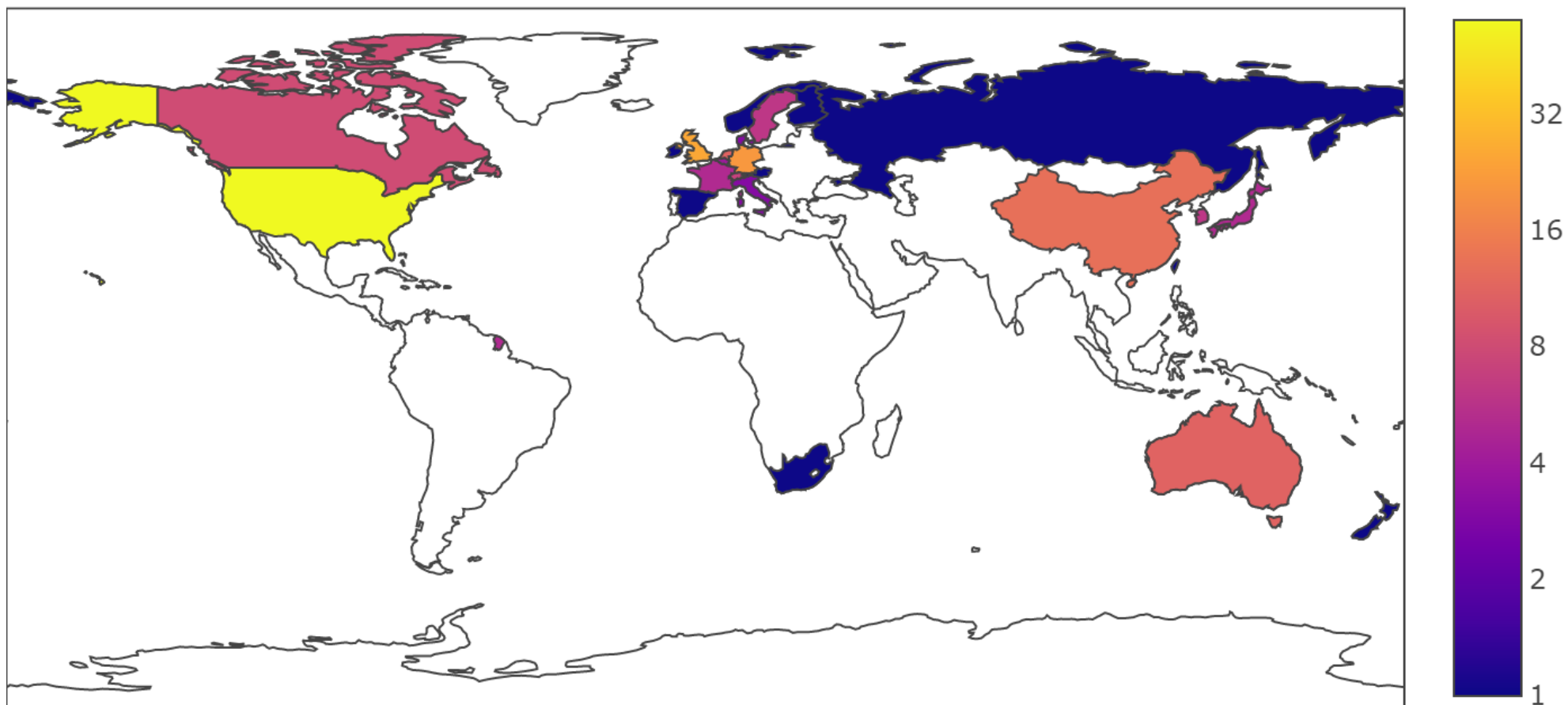
# Top 200

Number of universities in WUR top 200



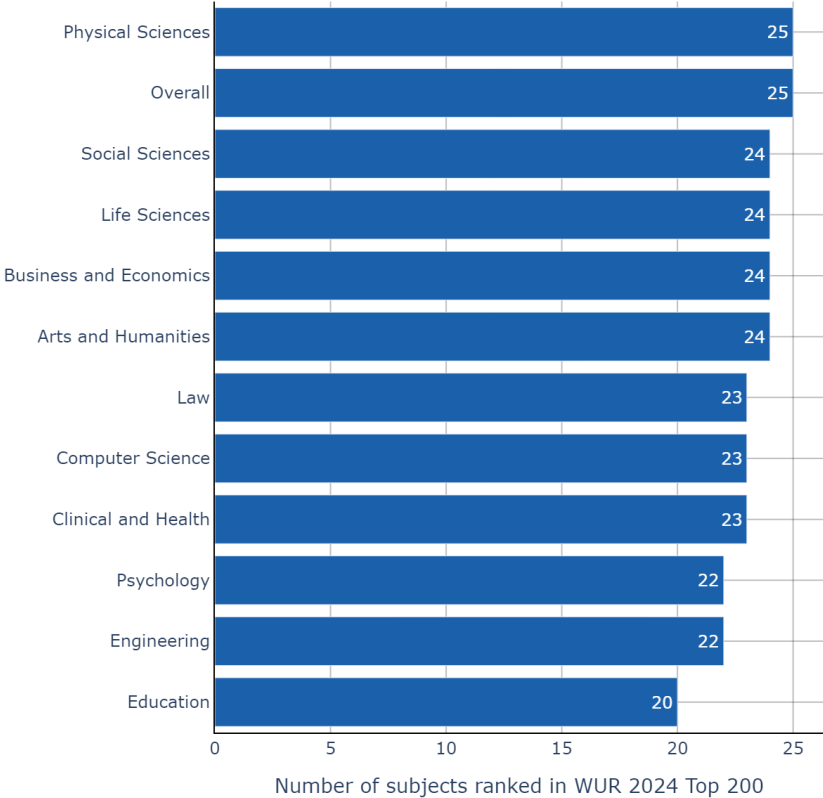
# Universities per country/region in the WUR 2024 Top 200

There are a total of 201 institutions in The World ranked in the World University Rankings 2024 Top 200, from 27 countries  
25 institutions from United Kingdom were ranked, which is the 2nd highest in The World

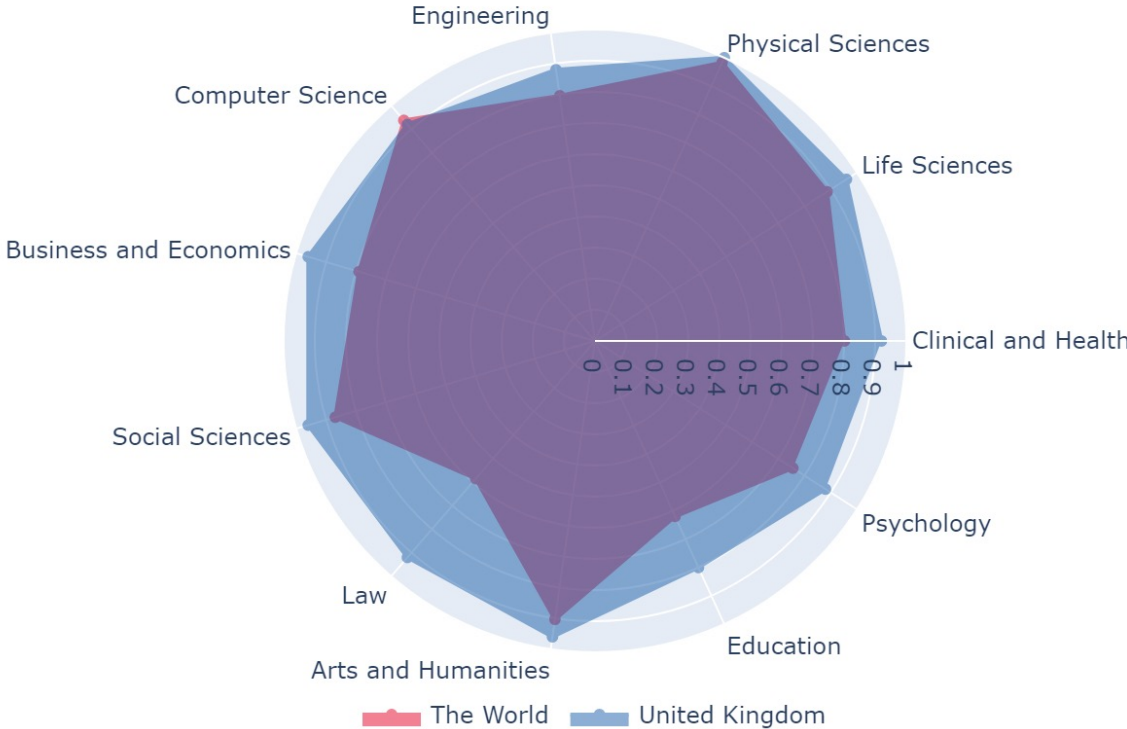


# UK vs the World Top 200 WUR 2024 subjects analysis

United Kingdom subjects ranked in WUR 2024 Top 200



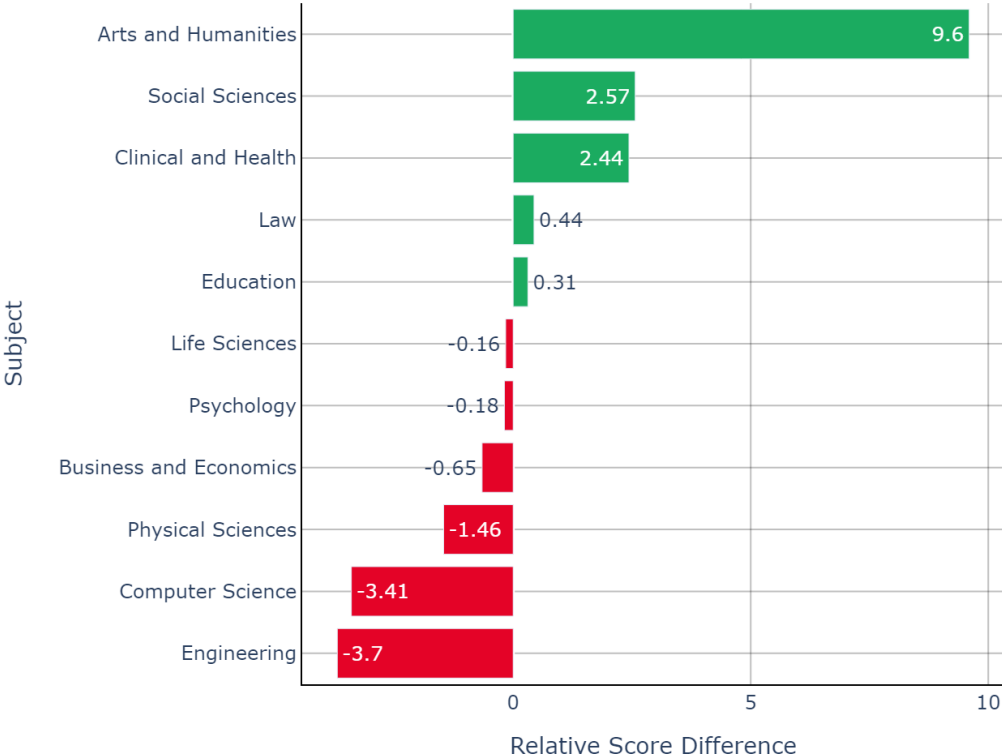
Percentage of universities with subjects ranked in WUR 2024 Top 200



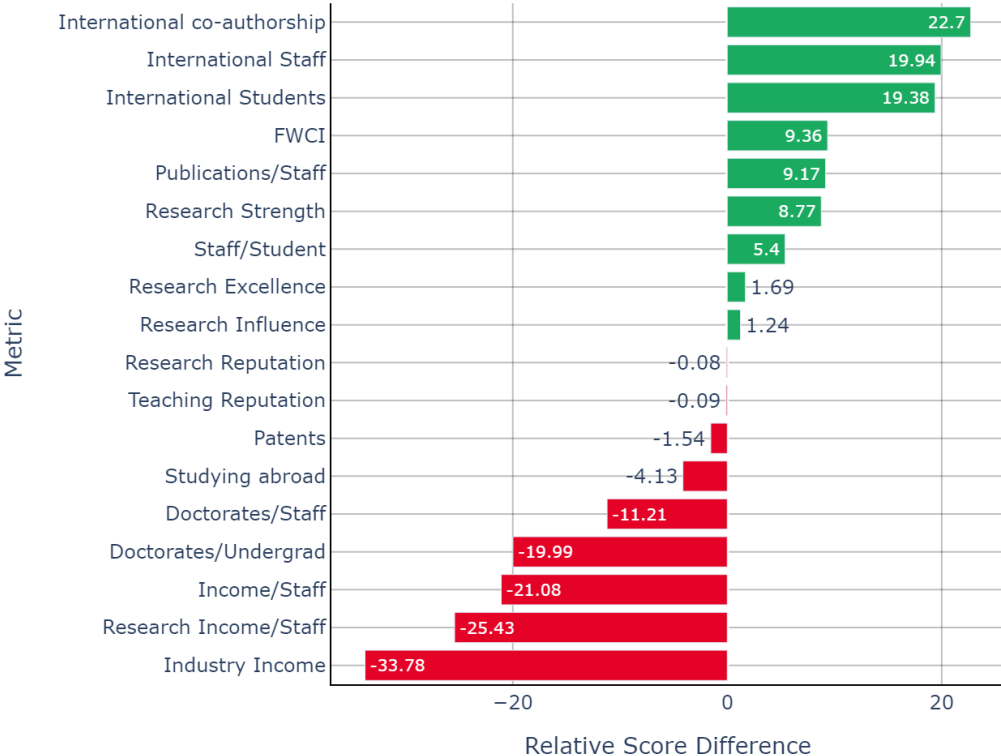
Across United Kingdom, Physical Sciences was the most frequently ranked subject in 2024 where it was ranked for 25 universities. Education was the least frequently ranked subject in 2024 with just 20 universities ranked.

# UK vs World Top 200 analysis

United Kingdom vs The World Top 200 Subject Relative Score Difference 2024



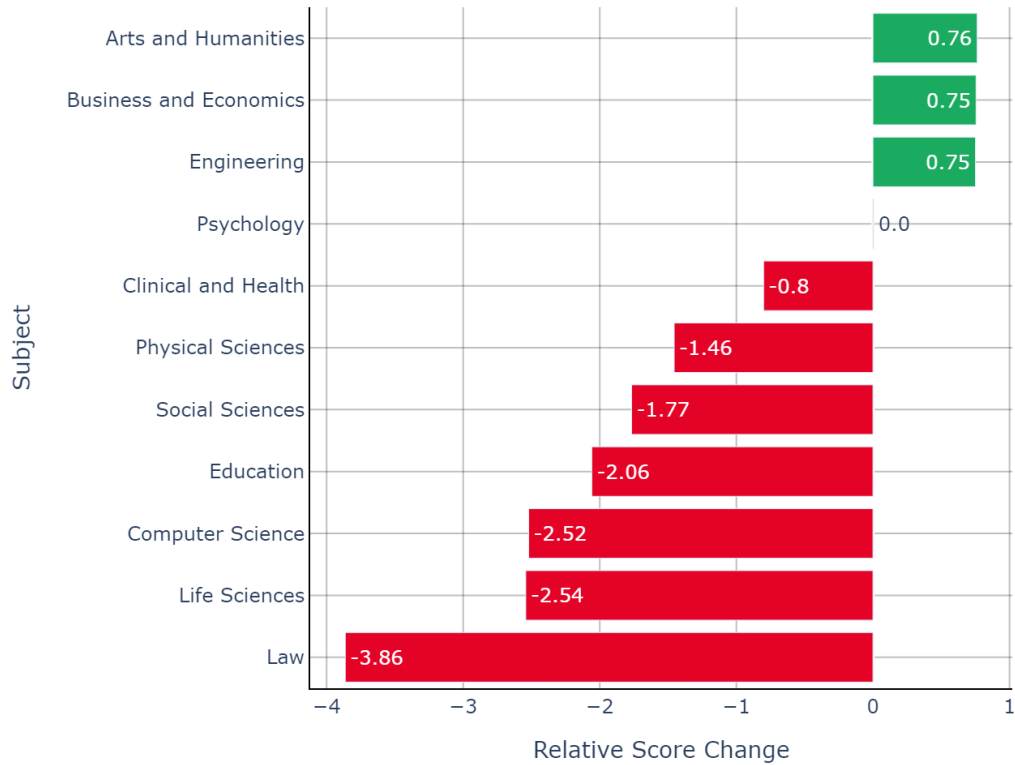
United Kingdom vs The World Top 200 Metric Relative Score Difference 2024



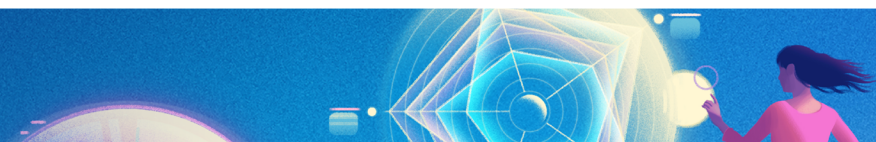
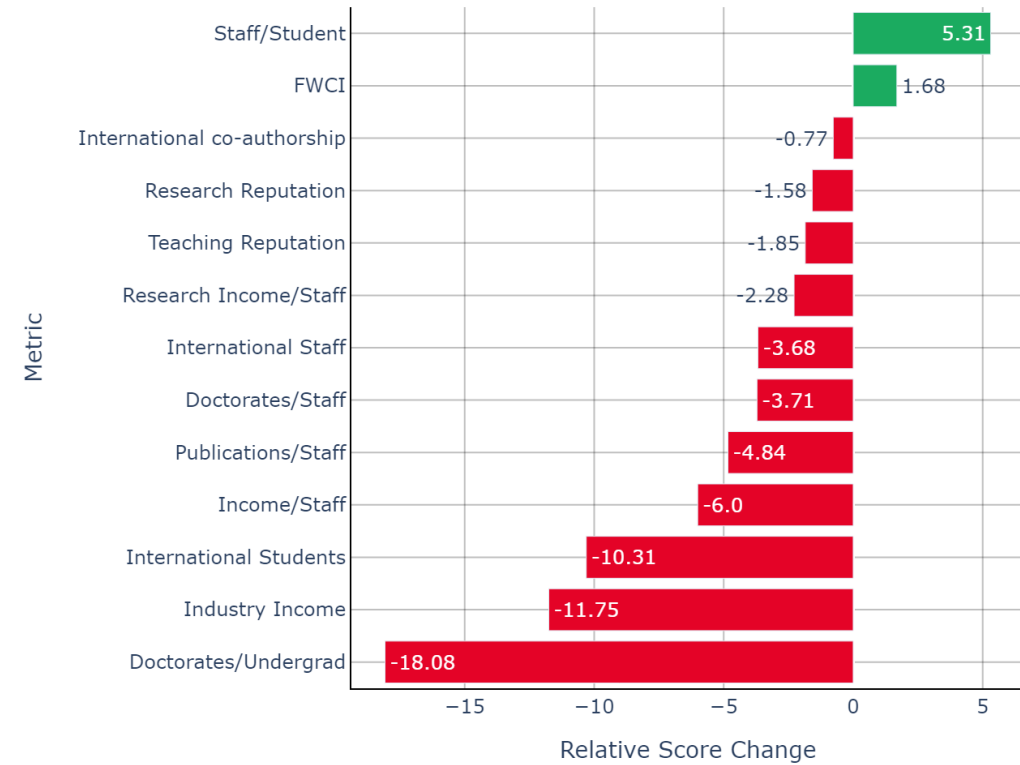


# Subject and Metric Trend Analysis 2018-2024 for Top 200

United Kingdom vs World Top 200 Subject Relative Score Change 2018-2024

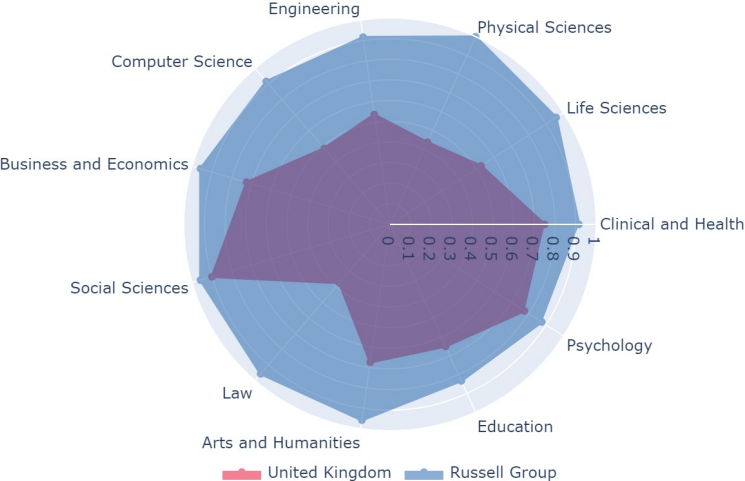


United Kingdom vs World Top 200 Metric Relative Score Change 2018-2024

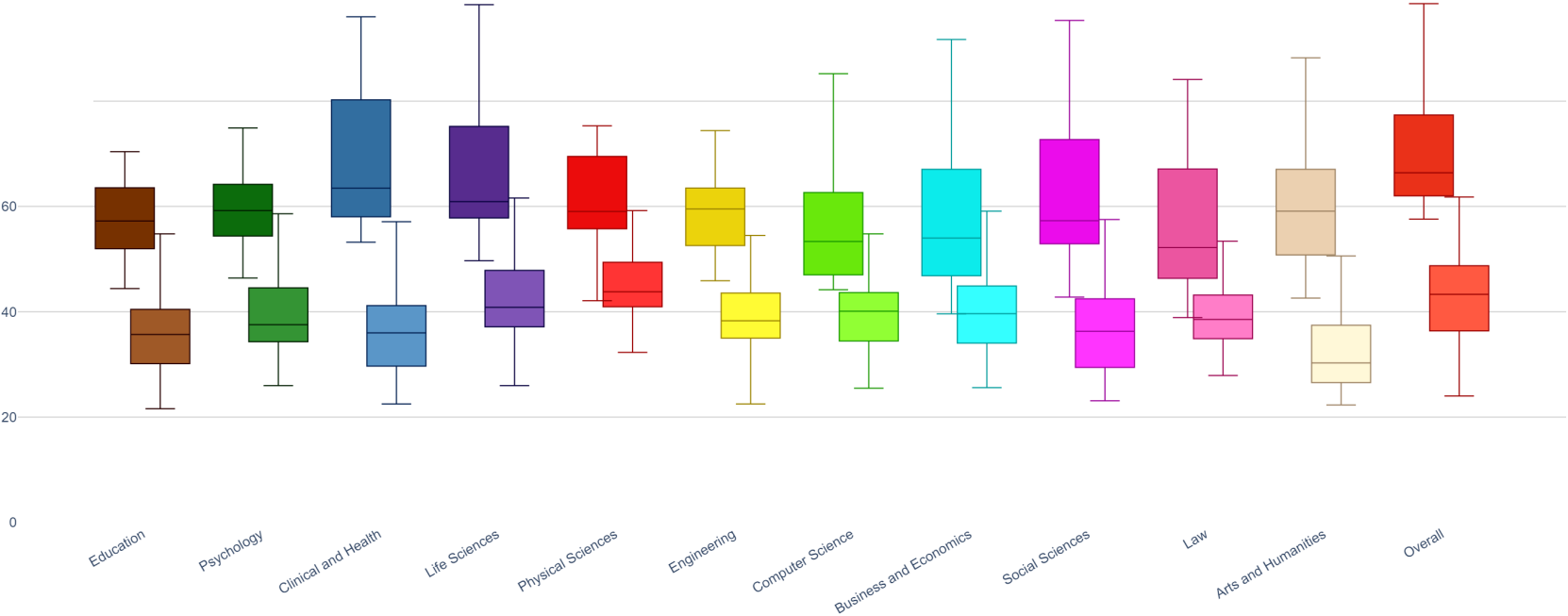


# Russell Group vs Rest of UK WUR 2024: Subjects

Percentage of universities with subjects ranked in WUR 2024



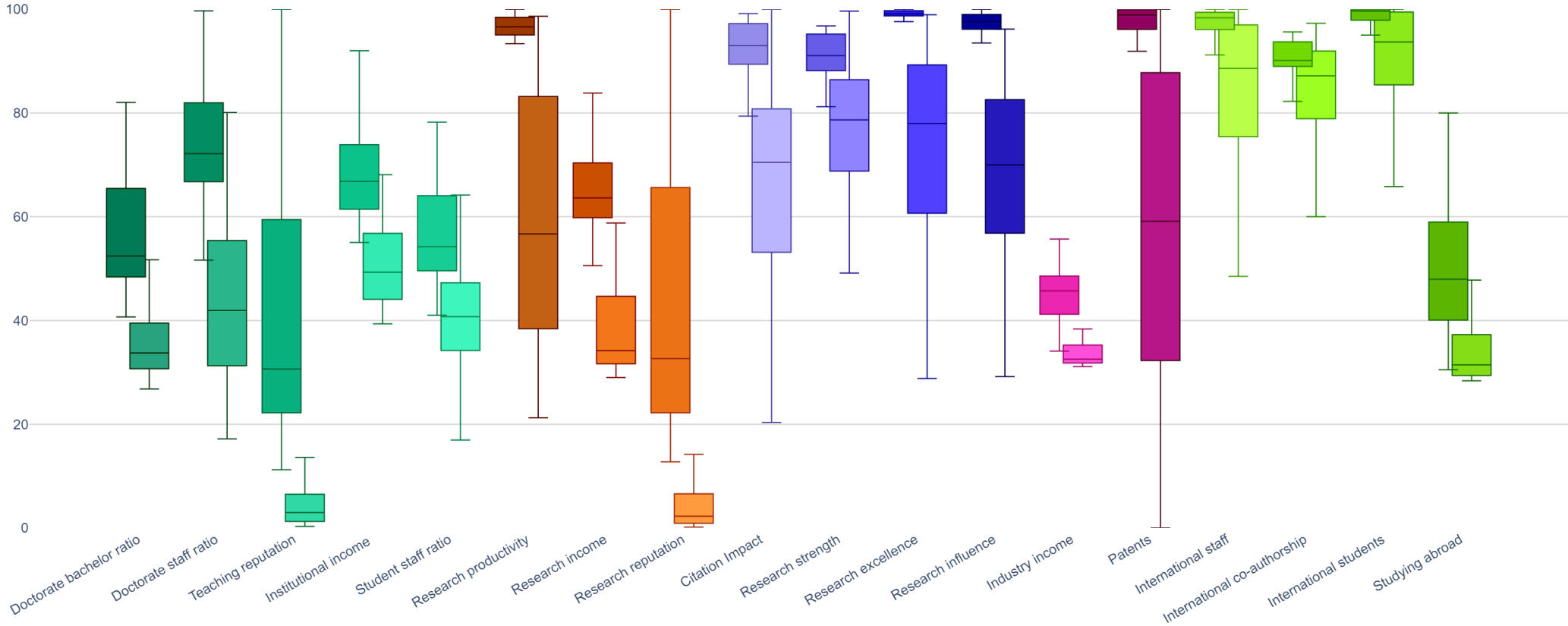
Russell Group vs United Kingdom World University Rankings 2024 subjects boxplot



The boxes for Russell Group are on the left, the boxes for United Kingdom are on the right

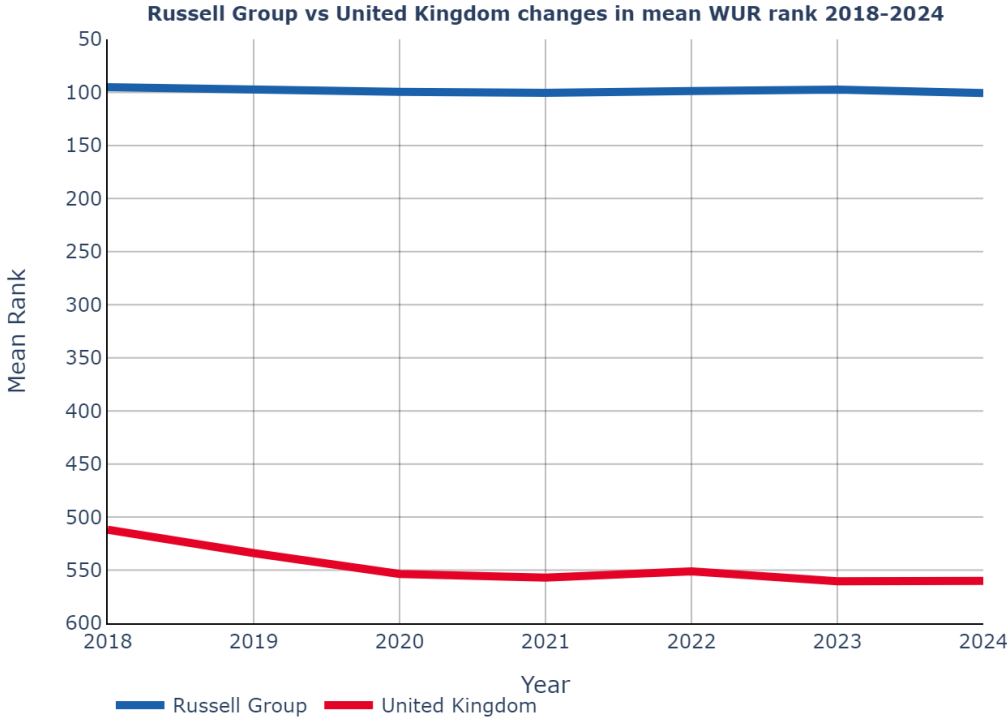
# Russell Group vs UK WUR 2024 metrics comparison

Russell Group vs United Kingdom World University Rankings 2024 metrics boxplot

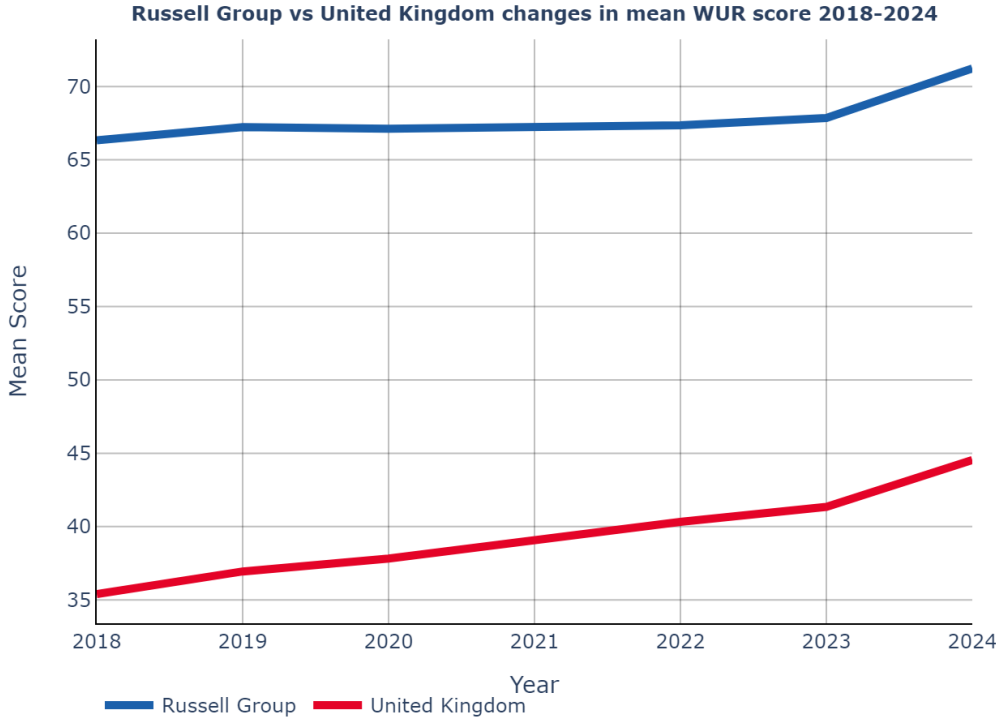


The boxes for Russell Group are on the left, the boxes for United Kingdom are on the right

# Russell Group vs UK 2018-2024 WUR trends



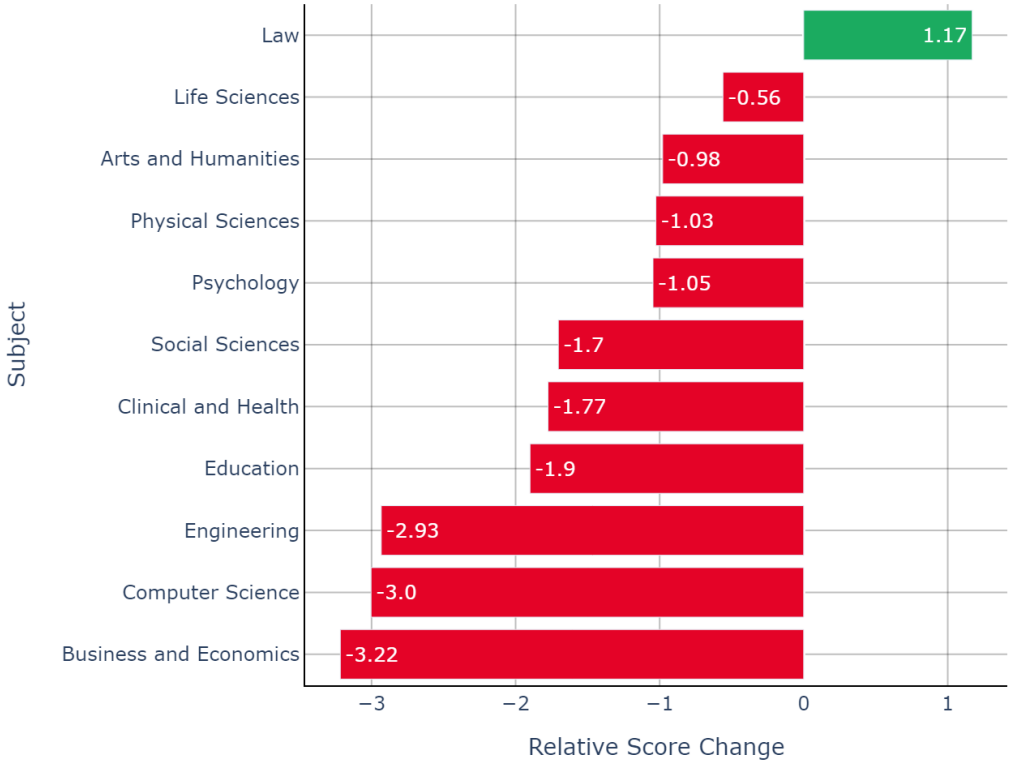
The WUR rank for Russell Group has decreased by an average of 6 between 2018 and 2024, United Kingdom decreased by an average of 48. Note that the number of universities in WUR has risen from 1103 in 2018 to 1904 in 2024.



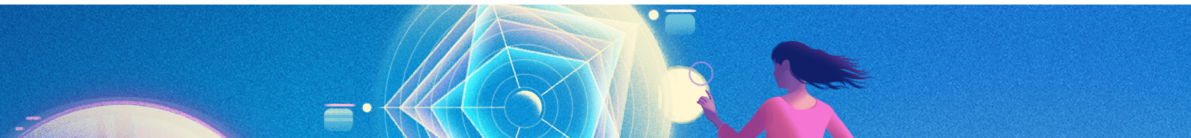
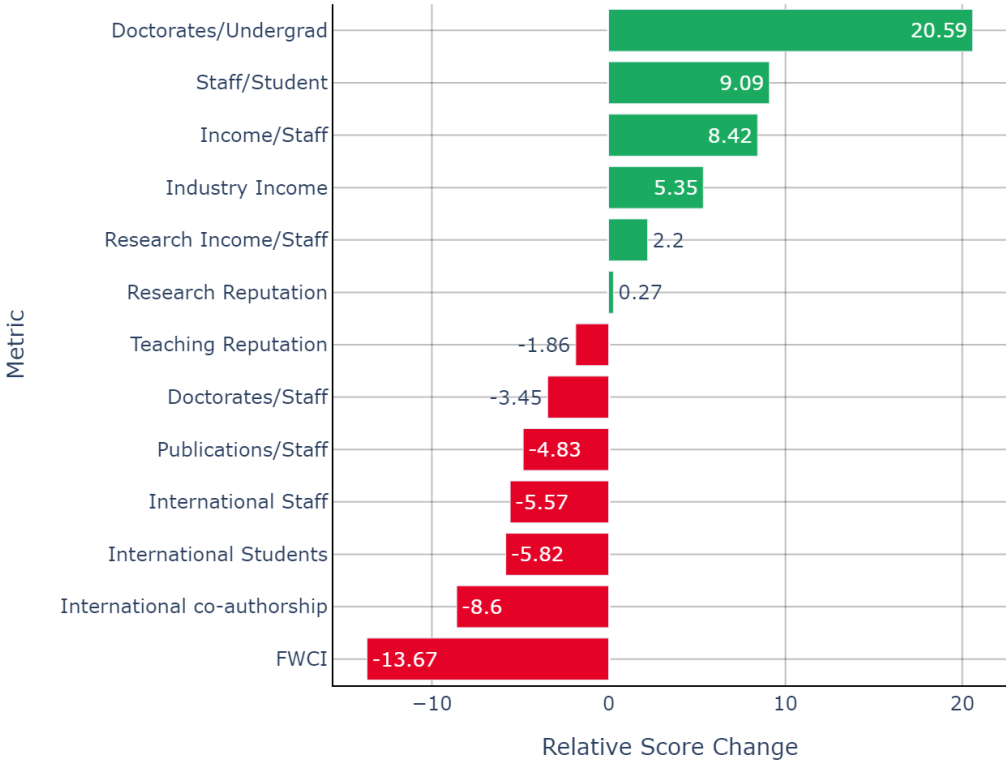
The WUR Score for Russell Group has increased by an average of 4.9 between 2018 and 2024, United Kingdom has increased by an average of 9.1 during the same period.

# Russell Group vs UK: Subject and Metric Trend Analysis 2018-2024

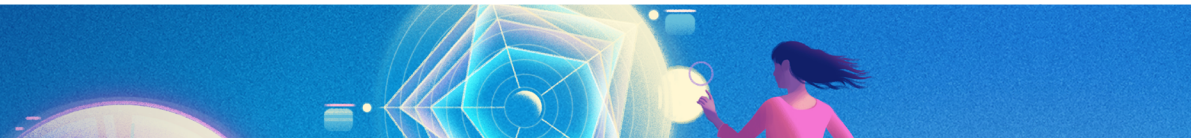
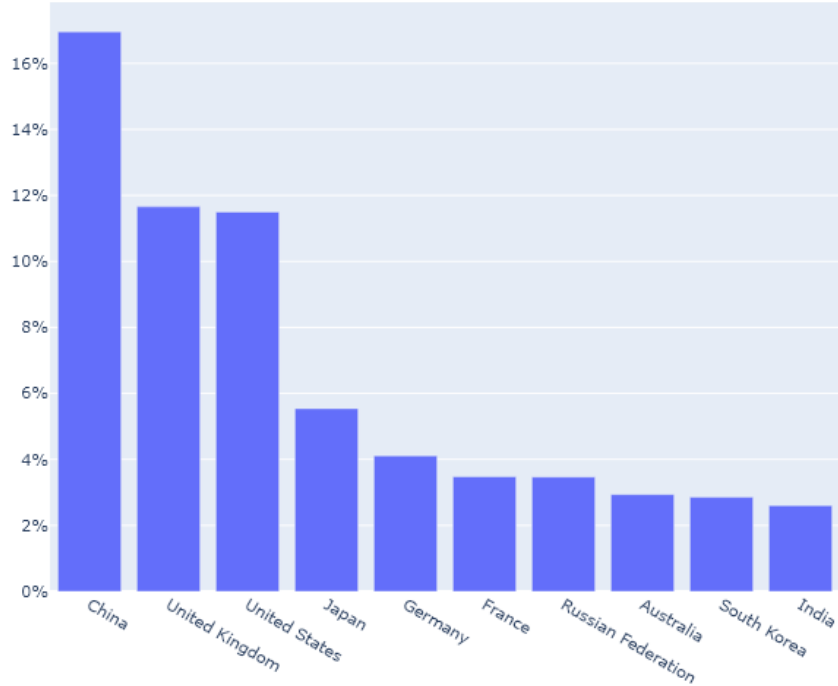
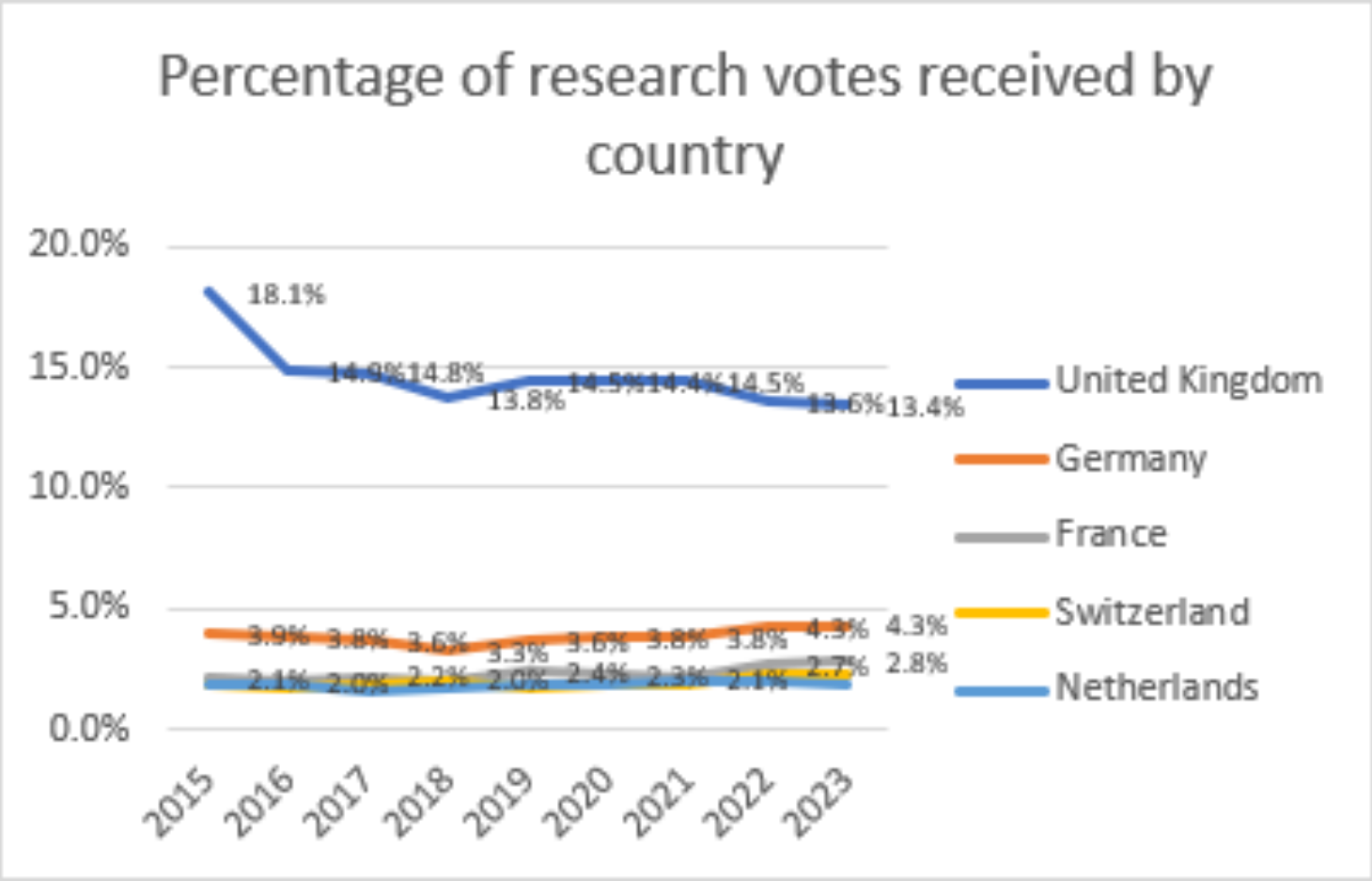
Russell Group vs United Kingdom Subject Relative Score Change 2018-2024



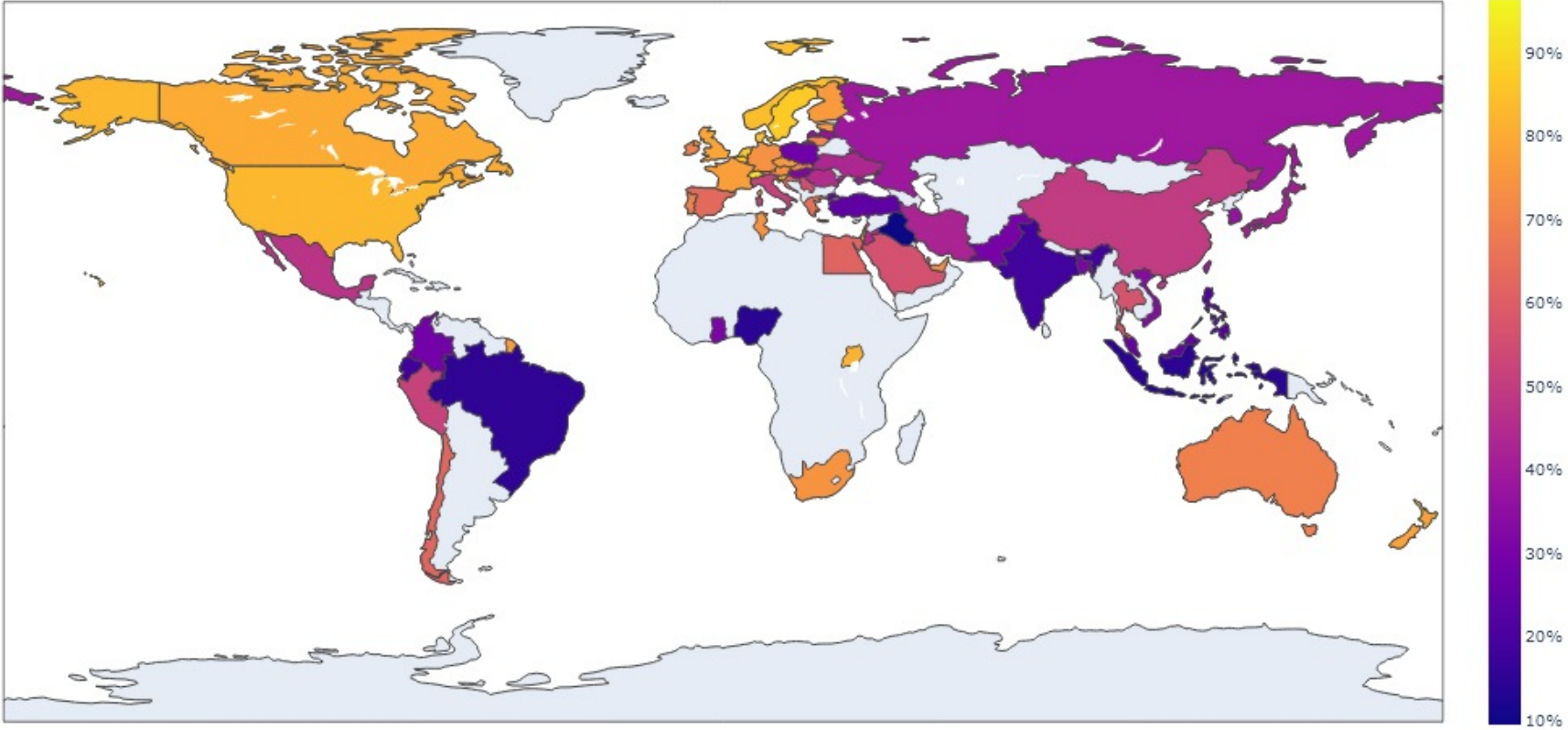
Russell Group vs United Kingdom Metric Relative Score Change 2018-2024



# Reputation voting patterns



# UK reputation vote share



Of the votes that were cast for each country, this shows the percentage which were from another country

# How to participate?

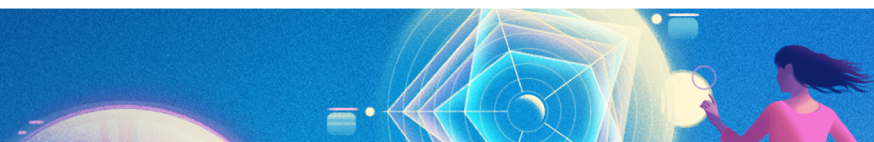




# Eligibility Criteria

Participation in THE World University Rankings (or any other THE rankings) is always free of charge. However, there is a set of eligibility criteria

- Must teach at undergraduate level
- Publication requirements
  - At least 1000 publications in 5 years
  - At least 150 publications each year
  - Separate publication requirements for the subject rankings
- Must not be a subject specialist



# How to take part

We need your help for the **institutional data**

## 1. Nominate a Data Provider

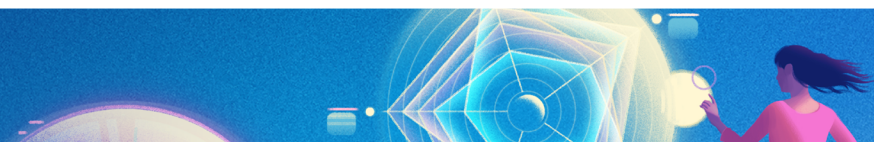
A Data Provider for your institution will need to be nominated.

Please email us at [profilerankings@timeshighereducation.com](mailto:profilerankings@timeshighereducation.com)

## 2. Connect to the Portal

Your Data Provider will receive login details to connect to the Data Collection Portal

The Portal will be open between 8 January and 30 March 2024



# Data Collection Portal



## World University Ranking 2022

Complete the stages of the data collection process

### THE- Times Higher Education World

Introduction

Institution Profile

Data

Notes

Review, print & submit

Welcome to the *Times Higher Education (THE)* World University Rankings data collection portal.

The secure portal is structured to collect accurate and detailed information to enable us to develop a detailed, multifaceted performance profile of your institution to create the *THE* World University Rankings and related specialist rankings.

Please note that this portal is directly managed by Times Higher Education and is the only source of institutional data for the THE World University Rankings. The information that you submit will be combined with other sources of data and used to create a comprehensive and representative picture of your institution and of others around the world.

**Only by submitting data via this portal can your institution be considered for inclusion in the *THE* World University Rankings and multiple related publications and products.**

Thank you for taking the time to participate in this important global research project.

Please download our quick-start guide which explains the key aspects of the data collection process and how to navigate your institution's data collection portal account. We recommend that you read the information before you begin your data submission and refer to it during completion of the data collection process.

English user guide

Arabic user guide

Mandarin user guide

German user guide

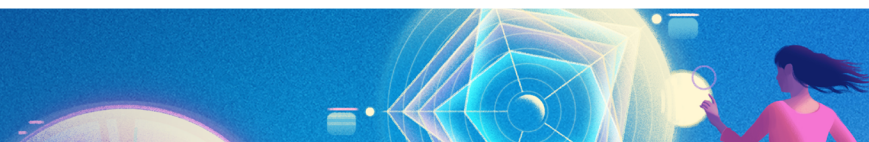
French user guide

Italian user guide

Japanese user guide

Korean user guide

Data collection materials are available for download in 12 languages



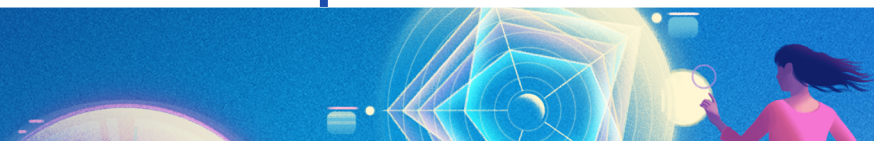
# Data Collection Portal – institutional data

We collect **data** at the institution level and in our 11 subjects

- Staff and international staff
- Students and international students
- Undergraduate degrees awarded and doctorates awarded
- Income data

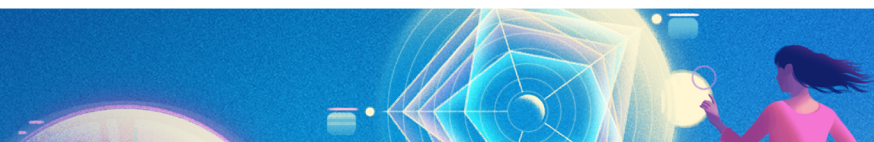
Since 2022: outbound exchange students

Art and Humanities  
Business and Economics  
Clinical and Health  
Computer Science  
Education  
Engineering  
Law  
Life Sciences  
Physical Sciences  
Psychology  
Social Sciences



# Specificity for the UK – HESA(JISC) data

- Requirements for data defined THE-HESA(JISC) *October-November*
- Data is previewed to UK HEI through HESA DDS *December-January*
- HESA delivers UK data to THE *January-February*
- THE uploads UK data into Data Collection Portal *February-March*
- UK data providers are emailed to review prepopulated data *March*
- UK data providers can amend data *March-April*
- Finalisation of data for ranking production *April-May*



# Solutions



# Data Solutions

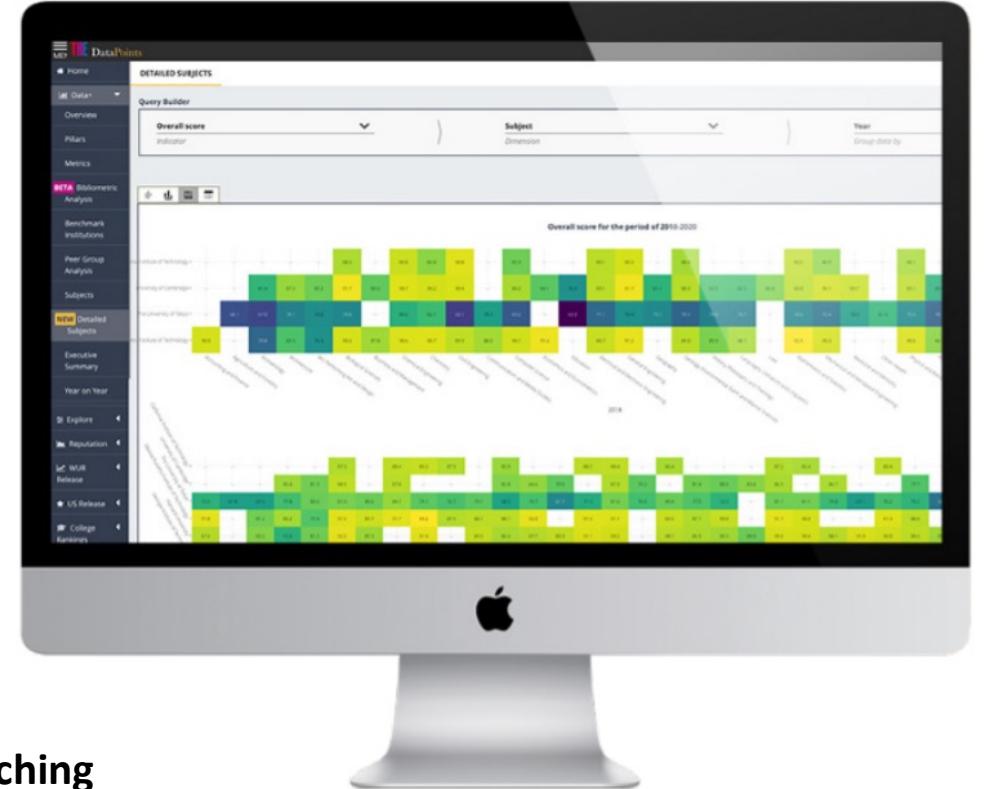


## DataPoints

Helping leaders in Higher Education make better, more informed decisions via data, performance analysis and benchmarking

THE's datasets include:

**Research | Sustainability | Internationalisation | Reputation | Impact | Teaching**

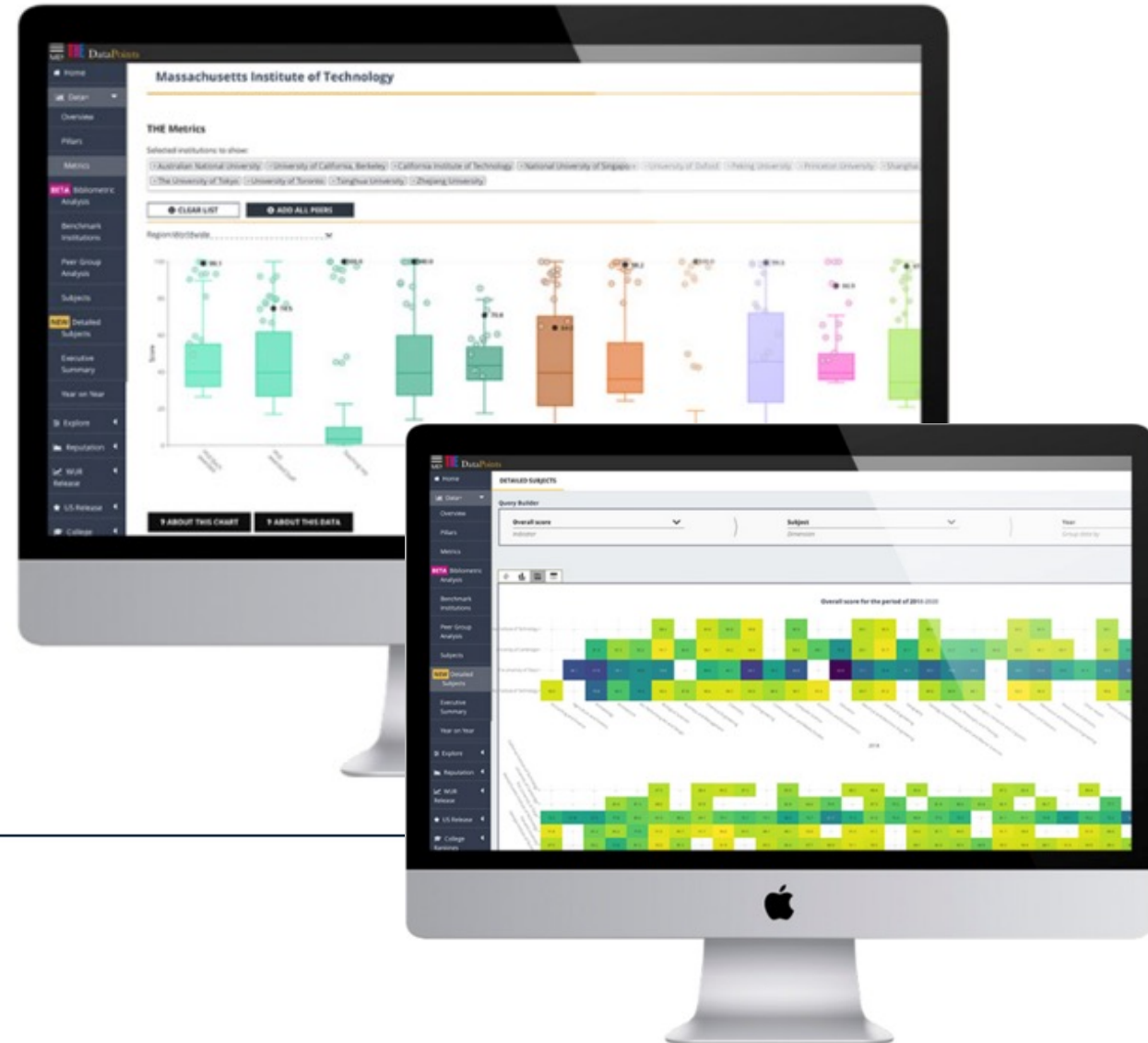


# DataPoints: World University Rankings

Empowering research-focussed universities to advance their strategic goals.

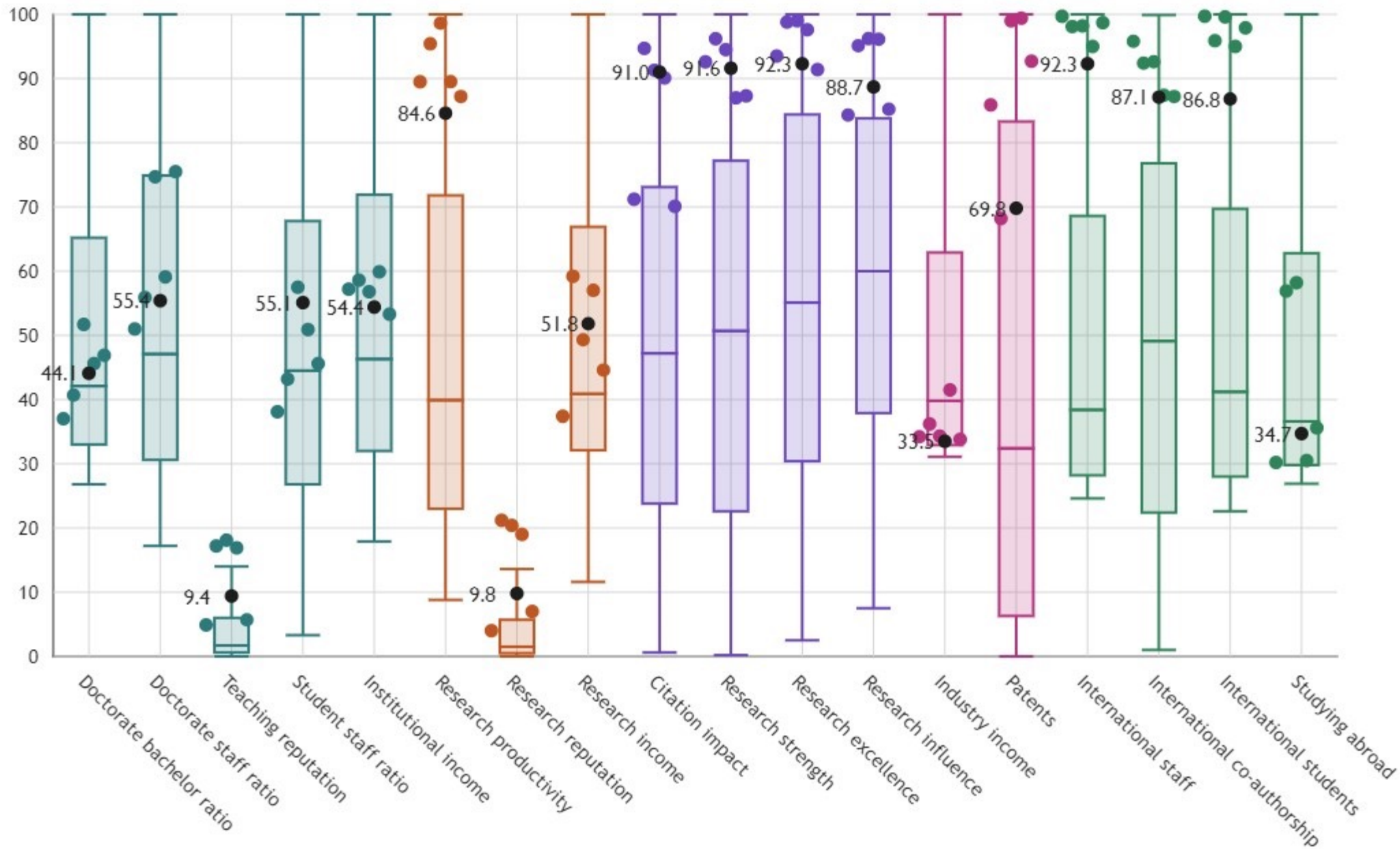
Product features:

- Benchmarking against 2,500+ universities from over 100 countries around the world
- Data across all 18 metrics and 31 subject areas
- Year-on-year analysis and trends
- Peer Group Analysis
- Explore module: simulate performance
- Data download and early access to results





Metric Scores For 2024 By Region (Worldwide)

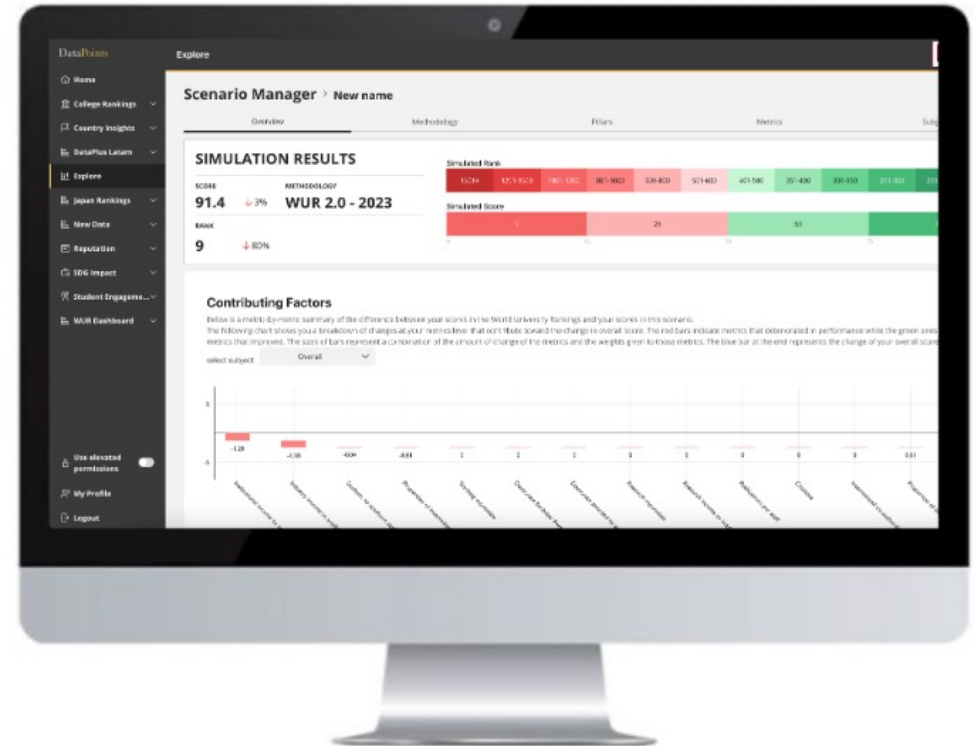


# DataPoints: Explore

Create hypothetical scenarios by changing your institutions core inputs and running them against the most recent World University Ranking.

Create scenarios, with the option to change data inputs across:

- Your entire institution as well as across THE's 11 subject areas
- Institutional data, including staff and student numbers, degrees and income
- Reputation votes, both teaching and research
- Research output and FWCI
- There's no limit to how many scenarios you can create
- Ability to download scenarios and visuals



# DataPoints: Reputation

Understand the strength of your university's brand and reputation, globally.

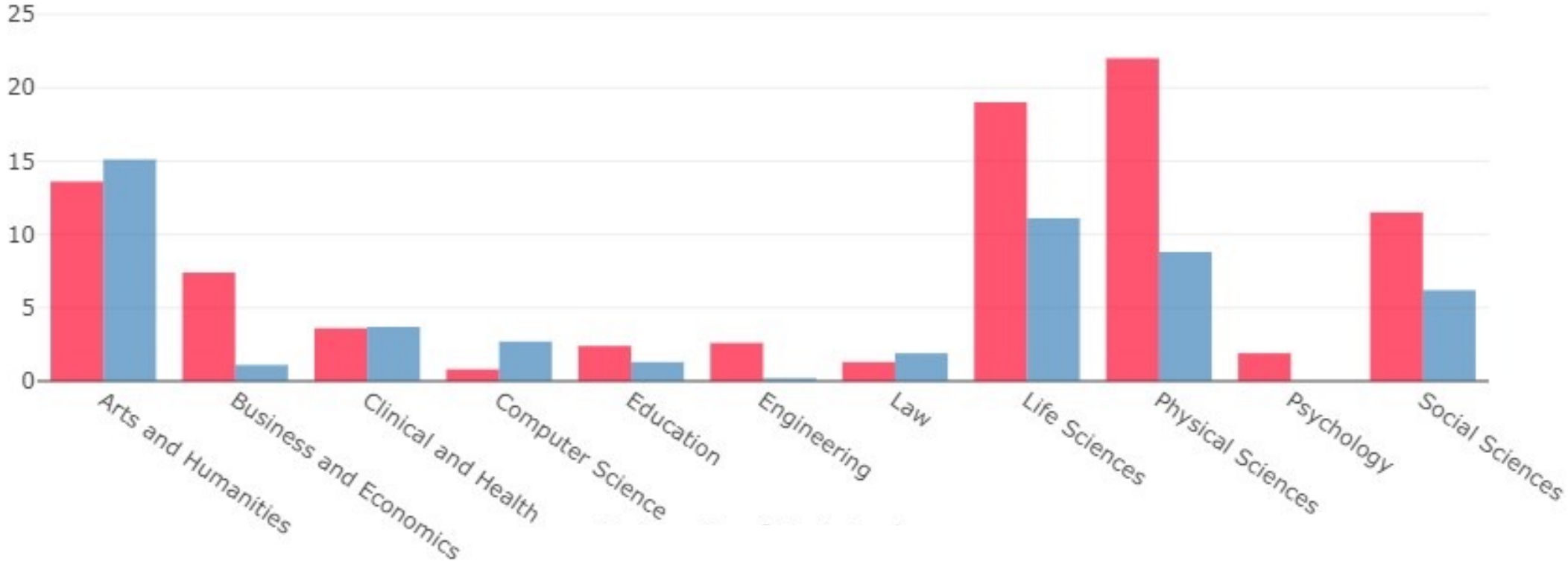
Product features:

- Over 100,000 survey responses, 1 million votes cast and votes for over 2,500 institutions
- Based on the largest invitation-only survey examining academic reputation over 31 subject areas
- National vs. international analysis
- Understand how your institution and faculties are perceived by researchers around the world
- SWOT assessment and data download



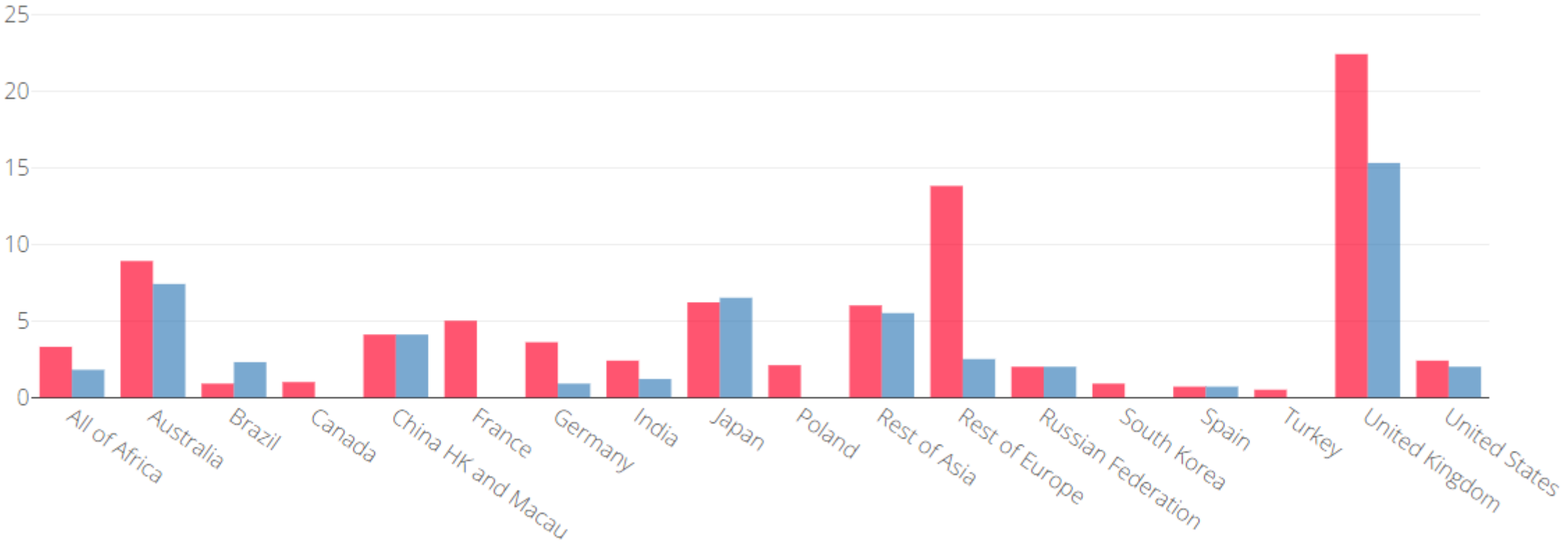
# DataPoints: Reputation

■ Research reputation (weighted)  
■ Teaching reputation (weighted)



# DataPoints: Reputation

■ Research reputation (weighted)  
■ Teaching reputation (weighted)



# Consultancy Services



## Consultancy

Empowering universities, governments and organisations around the world.

### Rankings & Performance Analysis

In-depth analysis of institutional and subject level performance in THE's suite of global rankings. We also provide institutional level simulation of rankings performance for unranked institutions, with detailed analysis of strengths,...

[Discover more](#)

### Internationalisation & Transnational Education (TNE)

Offering a bespoke Transnational Education (TNE) consultancy service powered by our world-leading higher education data and global network of universities.

[Discover more](#)

### Portfolio & Course Analysis

Benchmarking portfolios across faculties and institutions using qualitative & quantitative methods

[Discover more](#)

### Reputation & Brand

THE's Reputation and Brand consultancy services are built on our unparalleled experience supporting universities around the world to analyse, audit and track their global reputation and impact of their brand

[Discover more](#)

### Research Strategy

THE Consultancy can support universities and ministries of education enhance their academic research strategies, using THE's bibliometric data and unique artificial intelligence tools

[Discover more](#)

### Industry Insights

Our team work closely with industry and commercial organisations to provide insights and tailored thought leadership on a topical basis to support with market awareness, sector engagement, reputation and to help in forging strategic...

[Discover more](#)

# Q&A



# Participate in the Impact Rankings

Scan today:



Times Higher Education  
**Impact Rankings**

