



SUBJECT RANKINGS | 2021

FACT FILE

UNIVERSIDADE DE SÃO PAULO (USP)
BRAZIL



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RE-PUBLISHED OR REFERENCED WHOLE OR IN PART UNTIL WEDNESDAY 3rd MARCH
AT 21:00 UTC/GMT



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THE 2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT
WILL BE LAUNCHED ON WEDNESDAY 3rd MARCH AT 21:00 UTC/GMT ON www.topuniversities.com

WELCOME TO THE 2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

Welcome to your institution's fact file for the QS World University Rankings by Subject 2021.

This file provides the scores for your institution in the subjects that you have been evaluated in, as well as the scores and ranks for those subjects where you made it into the published rankings table. It should also provide you with useful information for any media communication you might need to prepare prior to launch.

To produce the rankings for this year the team analysed over 13.9 million unique papers, producing close to 81 million citations. 1453 institutions ranked across 51 subjects in 5 subject areas, creating over 16,981 published entries. These figures reflect some of the scale behind this huge undertaking that the team carries out in order to produce these subject rankings.

The table shows a summary of your scores and ranks in all the subjects you have been ranked in including a column which also shows your domestic rank in that subject. The following table then shows you your results in the subject rankings for the last three years so you can track your progress.

In the Appendix you will find an explanation of the weightings that make up the different subject tables, the evolution of the subject rankings exercise, the paper thresholds that we have used in this edition and an indication of the number of institutions considered and ranked.

We hope you will find this useful, but we have also prepared a more extensive EXTENDED FACT FILE for you, presenting your institution in context, subject by subject, indicator by indicator in greater depth. Please file a request via the link attached in the email and the team will aim to get back to you within a couple of days depending on the volume of requests.

Rankings Team,
QS Intelligence Unit

2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT AREA

UNIVERSIDADE DE SÃO PAULO (USP)

Brazil

57

86=

74=

75

52=

These are the ranks achieved by the institution in the QS Rankings by Broad Subject Area.

Arts & Humanities

Engineering & Technology

Life Sciences & Medicine

Natural Sciences

Social Sciences & Management



OVERALL SCORES BY SUBJECT AREA



In 2021, Universidade de São Paulo (USP) has been ranked in **5** out of 5 broad subject areas.

Social Sciences & Management is the institution's strongest field at rank **52=** with an overall score of **77.9**.

2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

Below is the institution's detailed performance by indicator and overall score across the 51 narrow subjects and 5 broad subject areas currently featured in the QS World University Rankings by Subject. It is very unusual for an institution to qualify for consideration in all 51 narrow subjects and 5 broad subject areas.

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Arts & Humanities	Arts & Humanities	57	1	82.7	81.9	72.3	52.9	78.5
	Archaeology							
	Architecture / Built Environment	48=	1	69.7	85.5	74.5	69.8	71.8
	Art & Design	51-100	1	59.0	87.9			61.9
	Classics & Ancient History			55.3	66.5			56.4
	English Language & Literature	151-200	1	63.2	78.5	58.0		64.2
	History	51-100	1	72.1	76.4	71.5	66.7	71.6
	Linguistics	151-200	3=	54.3	81.8	63.7	67.8	58.2
	Modern Languages	47	1	80.8	77.3			79.8
	Performing Arts			56.6	74.9			60.3
	Philosophy	151-200	1=	46.9	81.1	54.9	52.0	49.9
	Theology, Divinity & Religious Studies			51.1	77.7	71.4	72.5	57.9
Engineering & Technology	Engineering & Technology	86=	1	76.3	80.1	74.8	72.7	76.7
	Computer Science & Information Systems	79=	1	56.7	82.2	74.5	77.7	70.2
	Engineering - Chemical	73	1	66.5	82.4	66.9	68.0	71.6
	Engineering - Civil & Structural	39=	1	73.9	85.5	81.2	76.9	78.9
	Engineering - Electrical & Electronic	102=	1	58.6	81.6	69.7	65.7	68.2
	Engineering - Mechanical, Aeronautical & Manufact..	61	1	64.2	80.1	70.0	71.4	70.9
	Engineering - Mineral & Mining	34	1	38.9	88.5	82.3	81.6	66.7
	Petroleum Engineering	29	2	61.6	69.3	84.9	80.3	70.2
Life Sciences & Medicine	Life Sciences & Medicine	74=	1	83.2	79.8	71.2	74.8	77.8
	Agriculture & Forestry	46=	1	64.1	76.5	83.4	86.2	73.6
	Anatomy & Physiology	51-100	1	73.9	84.5	75.8	91.6	79.9
	Biological Sciences	106=	1	70.8	80.5	76.3	75.7	74.4
	Dentistry	13	1	58.7	88.6	82.0	94.0	79.3
	Medicine	85=	1	70.6	74.7	80.0	86.5	77.3
	Nursing	51-100	1	67.2	79.6	84.0	88.3	79.8
	Pharmacy & Pharmacology	65	1	65.7	80.1	81.7	88.0	76.7
	Psychology	101-150	1	70.2	82.9	72.1	76.7	74.4
	Veterinary Science	40=	1	75.6	92.5	78.8	81.9	80.1

2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Natural Sciences	Natural Sciences	75	1	78.7	79.8	78.1	80.1	79.1
	Chemistry	108	1	68.0	84.1	74.0	66.9	72.2
	Earth & Marine Sciences	51-100	1	75.0	86.9	82.6	81.8	79.8
	Environmental Sciences	71=	1	82.1	81.8	79.8	83.8	81.9
	Geography	46	1	77.8	82.1	75.1	70.2	76.7
	Geology	51-100	1	72.2	89.1	84.0	81.4	80.2
	Geophysics	51-100	1	72.1	89.1	84.3	78.8	79.5
	Materials Science	101-150	1	63.7	91.4	54.1	52.6	61.3
	Mathematics	96=	1	72.4	78.2	70.2	77.8	74.2
	Physics & Astronomy	90=	1	69.6	80.5	77.4	81.0	75.6
Social Sciences & Management	Social Sciences & Management	52=	1	79.0	80.4	77.5	65.4	77.9
	Accounting & Finance	101-150	1	64.6	78.3	53.2	52.5	66.4
	Anthropology	44=	1	77.6	77.9	69.5	69.4	76.0
	Business & Management Studies	90=	1	64.8	76.8	70.9	86.5	71.2
	Communication & Media Studies	101-150	1	77.9	83.9	69.4	64.6	74.1
	Development Studies							
	Economics & Econometrics	123=	1	63.0	78.3	71.6	61.3	67.4
	Education	101-150	1	64.9	84.0	67.4	72.4	68.8
	Hospitality & Leisure Management	37=	1	58.4	52.2	45.3		54.6
	Law	46=	1	73.8	80.7	70.9	64.2	74.3
	Library & Information Management			45.1	100.0	63.9	67.3	54.5
	Politics & International Studies	50	1	59.3	74.9	58.9	64.1	64.4
	Social Policy & Administration							
	Sociology	63=	1	75.2	83.0	67.7	62.6	73.7
	Sports-related Subjects	51-100	1	71.2	74.1	88.2	90.2	76.9
	Statistics & Operational Research	51-100	1	64.4	87.2	69.6	92.9	73.4

NOTES:

There are different reasons why an institution may not have results in any given subject.

1. It may not offer a program. Receiving a score for a particular subject does not guarantee that we have checked for its presence in your institution. These checks are only carried out for institutions with a score high enough to receive a published rank in the subject.
2. It may not have published a sufficient number of papers.
3. It may not have attracted a minimum level of recognition through our surveys.
4. Score is not high enough to receive a published rank.

If you have a displayed score in reputation and citation indicators then you met the minimum threshold for consideration.



For more information, please visit
www.qs.com/solutions/research-intelligence/qs-stars

A YARDSTICK OF INTERNATIONAL ACADEMIC STANDARDS

QS Stars is a rating system providing your institution with an overall score, as well as ratings in 12 categories, which you can use to promote your brand on an international scale. Since its launch in 2010, QS Intelligence Unit has rated over 275 institutions in 45 countries with QS Stars.

Drive institutional development

Enhance brand recognition

Improve performance in key areas

Attract prospective students

“

“The new QS Stars rating system further recognizes NTU’s strengths as a world university across a broader set of criteria than can be measured in any ranking system and provides information for our many stakeholders – current students, prospective students, parents, teachers, employers, fellow academics as well as our local community”

Bertil Andersson, President, Nanyang Technological University, Singapore

2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

The tables below present the rank evolution in each evaluated subject.

		2019	2020	2021
Arts & Humanities	Arts & Humanities	76	63=	57
	Art & Design	51-100	51-100	51-100
	History	51-100	51-100	51-100
	Archaeology			
	Architecture / Built Environment	44	43	48=
	Classics & Ancient History			
	English Language & Literature	151-200	151-200	151-200
	Linguistics	151-200	151-200	151-200
	Modern Languages	30=	42=	47
	Performing Arts			
	Philosophy	101-150	101-150	151-200
	Theology, Divinity & Religious Studies			
Engineering & Technology	Engineering & Technology	89=	86=	86=
	Computer Science & Information Systems	51-100	51-100	79=
	Engineering - Chemical	51-100	51-100	73
	Engineering - Civil & Structural	45=	46	39=
	Engineering - Mechanical, Aeronautical & Manufactu..	51-100	51-100	61
	Engineering - Electrical & Electronic	51-100	51-100	102=
	Engineering - Mineral & Mining	33	33=	34
	Petroleum Engineering		30=	29
Life Sciences & Medicine	Life Sciences & Medicine	93	79	74=
	Agriculture & Forestry	49	49=	46=
	Anatomy & Physiology	51-100	49=	51-100
	Biological Sciences	101-150	101-150	106=
	Medicine	51-100	51-100	85=
	Pharmacy & Pharmacology	51-100	51-100	65
	Psychology	101-150	101-150	101-150
	Veterinary Science		48	40=
	Dentistry	20=	18=	13
	Nursing	51-100	51-100	51-100
		2019	2020	2021
Natural Sciences	Natural Sciences	71	76=	75
	Chemistry	101-150	101-150	108
	Earth & Marine Sciences	51-100	51-100	51-100
	Environmental Sciences	51-100	51-100	71=
	Geography	42	47	46
	Materials Science	101-150	101-150	101-150
	Mathematics	51-100	51-100	96=
	Physics & Astronomy	51-100	51-100	90=
	Geology		51-100	51-100
	Geophysics		51-100	51-100
Social Sciences & Management	Social Sciences & Management	69=	63=	52=
	Accounting & Finance	51-100	51-100	101-150
	Anthropology	51-100	51-100	44=
	Business & Management Studies	101-150	51-100	90=
	Communication & Media Studies	101-150	51-100	101-150
	Development Studies			
	Economics & Econometrics	101-150	101-150	123=
	Education	101-150	101-150	101-150
	Hospitality & Leisure Management			37=
	Law	45	47=	46=
	Library & Information Management			
	Politics & International Studies	51-100	51-100	50
	Social Policy & Administration			
	Sociology	51-100	51-100	63=
	Sports-related Subjects	27	42=	51-100
	Statistics & Operational Research	51-100	51-100	51-100

APPENDICES



**DEFINITIONS,
WEIGHTINGS,
THRESHOLDS,
AND HEADLINE
FIGURES**

2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

METHODOLOGY: DEFINITIONS & WEIGHTINGS

ACADEMIC REPUTATION

Between 2016 and 2020 QS has collected votes from over 100,000 academics around the world. Each academic counted has given their opinion on universities in their fields of expertises.

EMPLOYER REPUTATION

The employability metric is based on employer reputation. Over 50,000 global employer votes have been taken into account between 2016 and 2020 giving us a large pool of information in terms of hiring levels. Employers across all sectors and industries have taken part in the survey and include Facebook, Google, Uber, Wells Fargo, Bank of America etc.

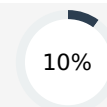
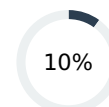
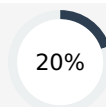
CITATIONS PER PAPER

This ratio measures the average number of citations obtained per publication, and is an estimate of the impact and quality of the scientific work done by universities. To avoid anomalous results, only the institutions producing a minimum number of papers in the last five years are evaluated.

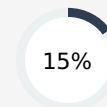
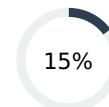
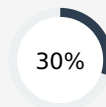
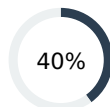
H-INDEX

The h-index is an index that attempts to measure both the productivity and impact of the work published by the institutions' scientists and scholars. The index is based on the set of the institution's most cited papers and the number of citations that they have received in other publications.

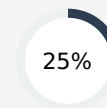
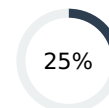
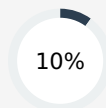
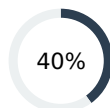
Arts & Humanities



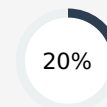
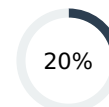
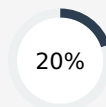
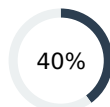
Engineering & Technology



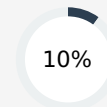
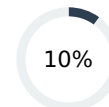
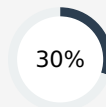
Life Sciences & Medicine



Natural Sciences

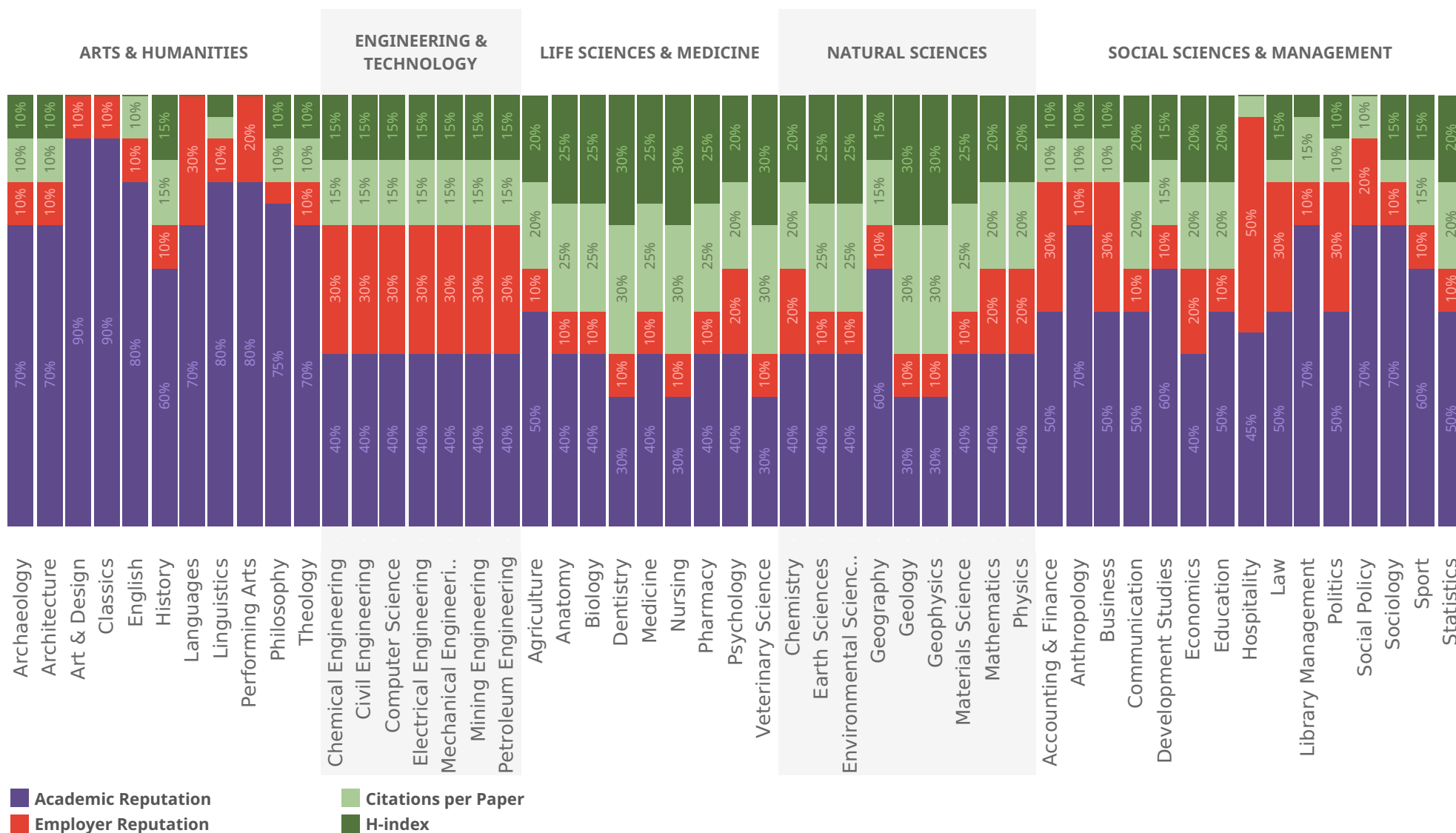


Social Sciences & Management



2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

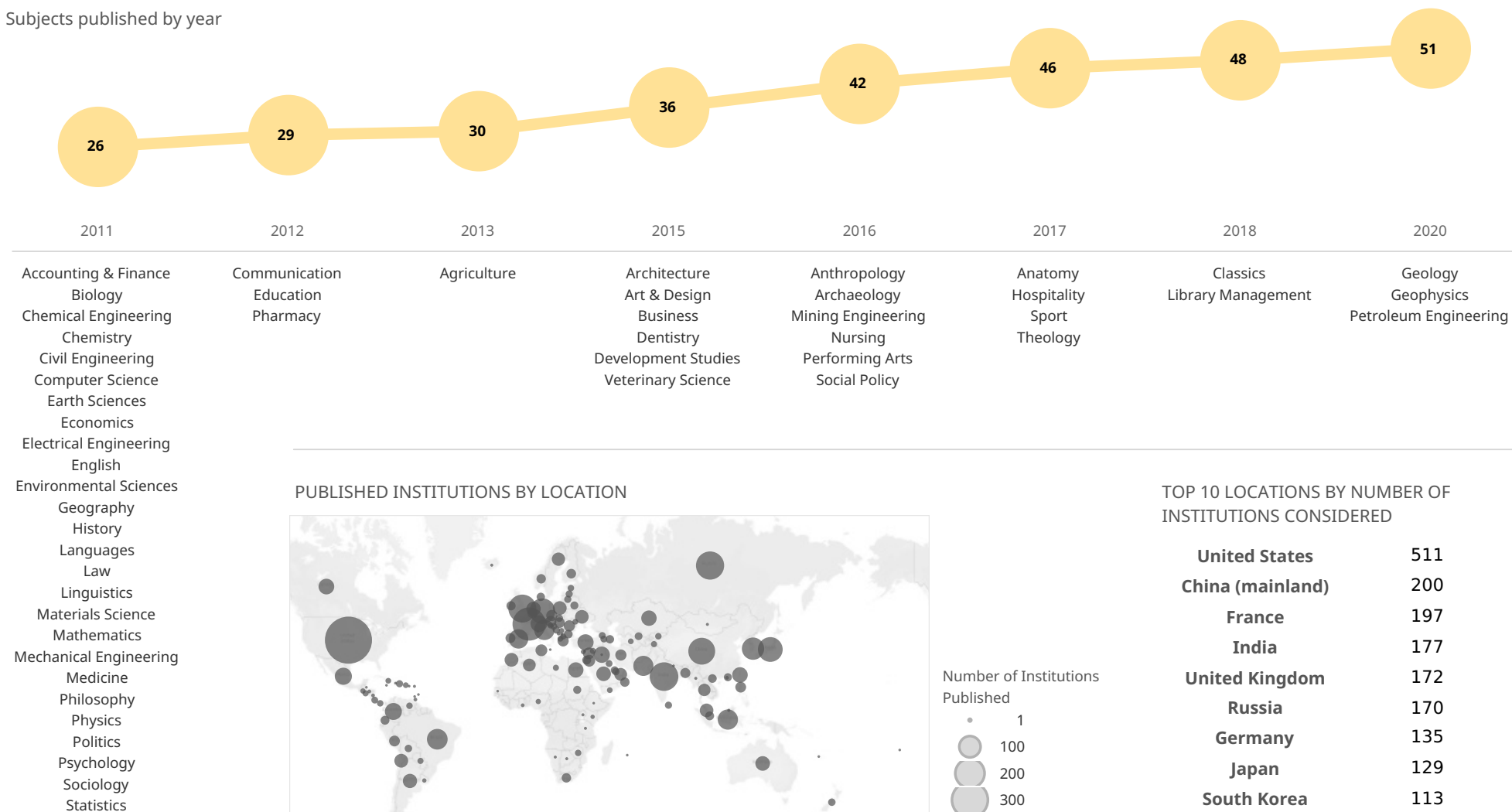
We use a variable approach to the weightings for the different subjects. The chart below provides details of the combinations used in the 2021 edition of the rankings.



2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

The **QS World University Rankings® by Subject** ranks the world's top universities in individual subject areas, covering 51 disciplines as of 2021. A list of the considered subjects, grouped by the year of first release, is presented below.

Subjects published by year



PUBLISHED INSTITUTIONS BY LOCATION



TOP 10 LOCATIONS BY NUMBER OF INSTITUTIONS CONSIDERED

United States	511
China (mainland)	200
France	197
India	177
United Kingdom	172
Russia	170
Germany	135
Japan	129
South Korea	113
Brazil	98

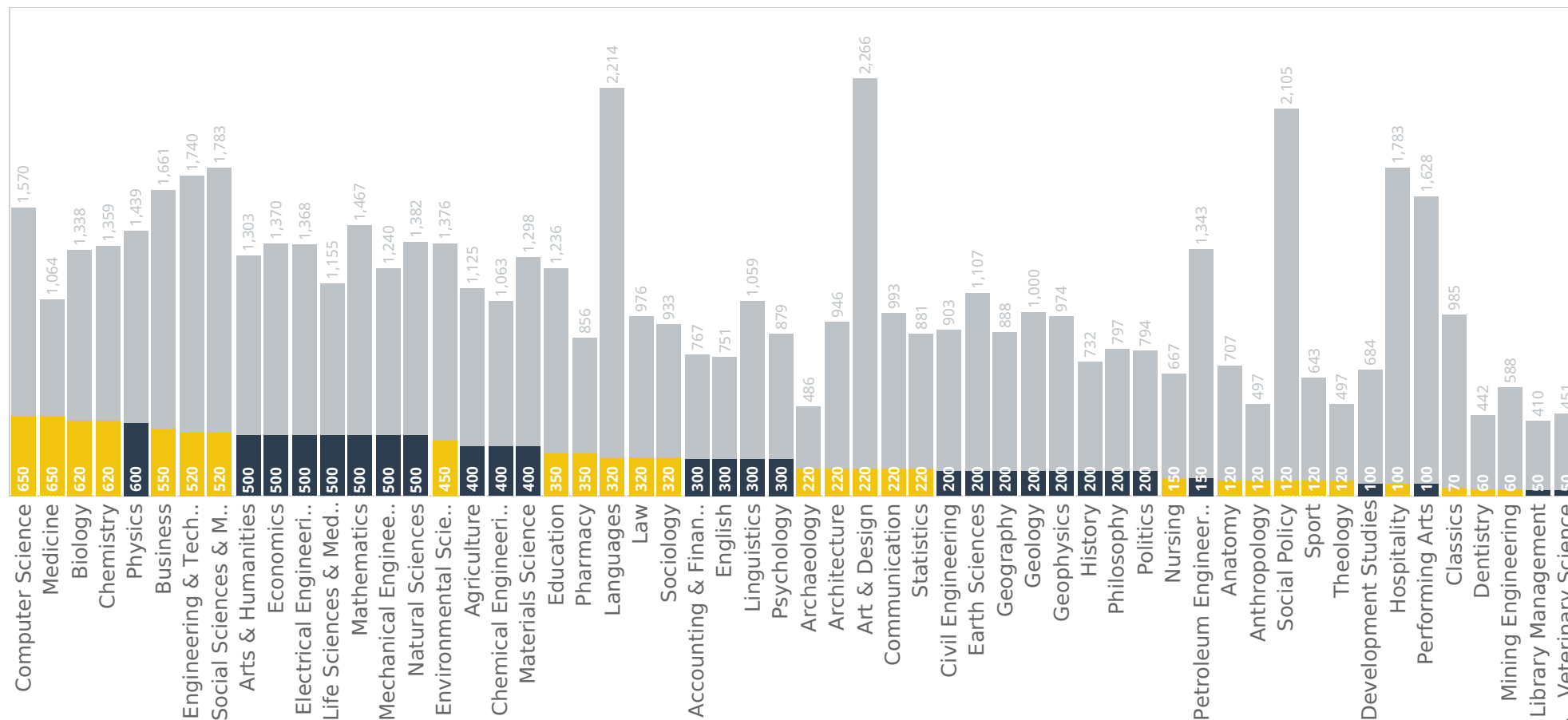
2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

The charts below present the number of institutions evaluated and published in each of the relevant subject areas.

Subjects Published	Locations Evaluated	Institutions Published
51	157	4,275

INSTITUTIONS EVALUATED AND PUBLISHED BY SUBJECT - YEAR 2021

Subjects with **highlight color** have extended publishing ranges.





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01

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03

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A global conference and competition open to international innovators. The Reimagine Education Awards - 'Oscars' of Education - offers \$50,000 in funding to overall winners.

02

EDUDATA SUMMIT

A premium conference that fosters the sharing of latest trends and best practices and learn the plaudits and pitfalls on institutional data management and usage.

04

QS SUBJECT FOCUS SUMMIT

A global forum designed to bring about a deepened and shared understanding of challenges and opportunities facing the subject in focus.

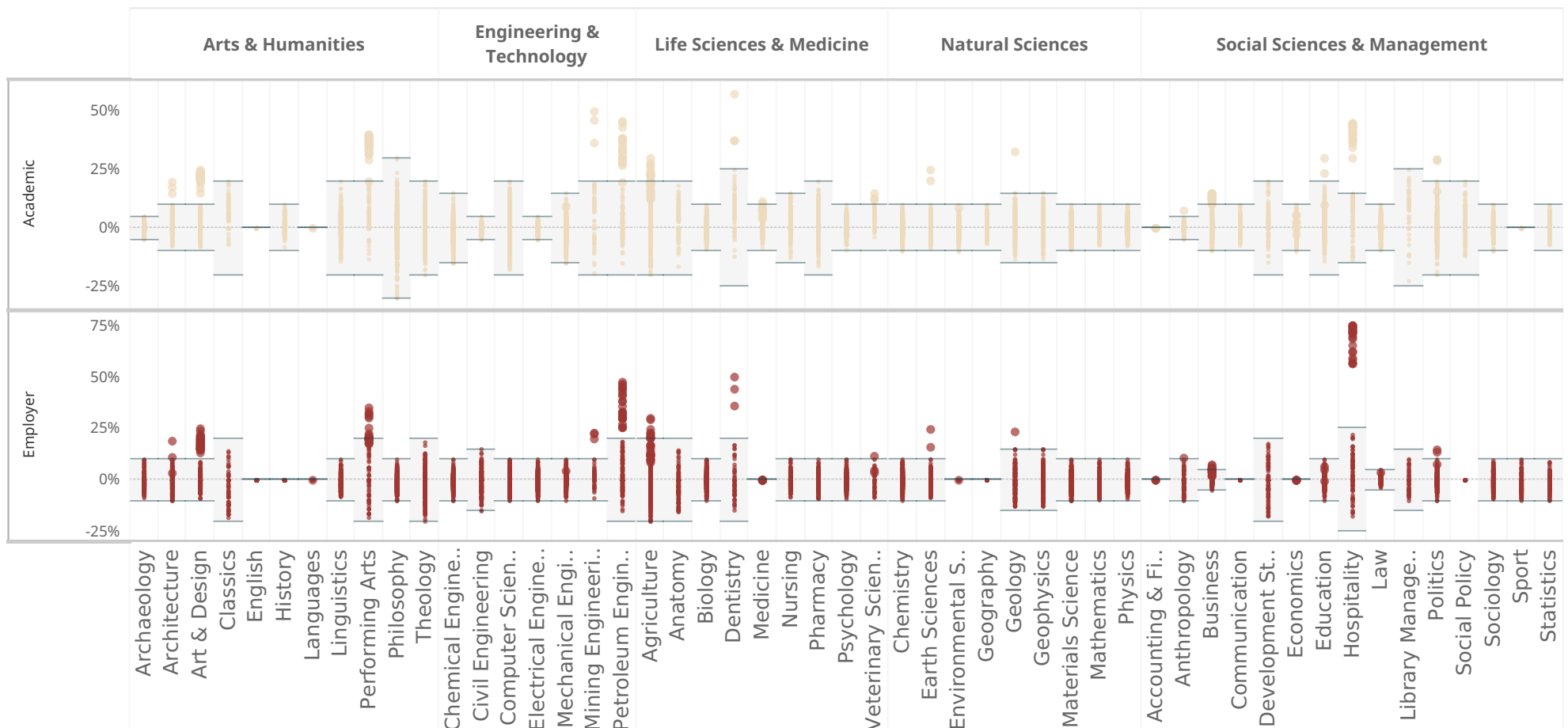
For more information, please visit
www.qs.com/solutions/events/higher-education-conferences



2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

In the QS Subject Rankings methodology, a specialization adjustment is applied to the original reputation scores in order to boost the performance of those institutions that present a stronger focus in specific subjects. The original rank calculated for each subject is compared against the rank obtained in the relevant broad subject area containing the said subject according to the QS mapping. For example, the results in Biology are compared against the overall rank in Life Sciences & Medicine. Whenever the rank difference between the subject and the broad area exceeds an acceptable number of places, a positive or negative adjustment is applied in the Reputation score. The method compares the proportional difference for each institution against the maximum and minimum recorded globally.

DISTRIBUTION OF SPECIALIST ADJUSTMENTS - REPUTATION



2021 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

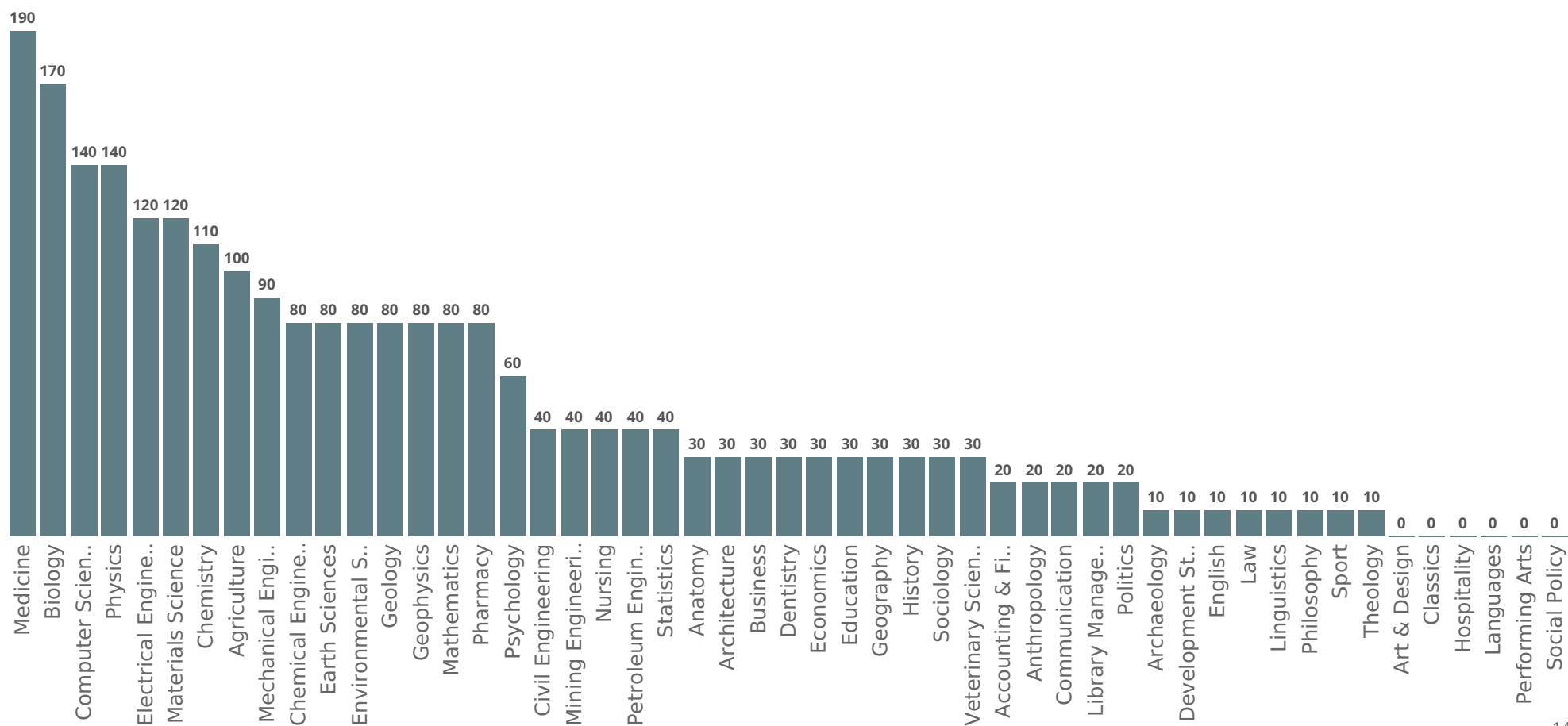
In order to feature in any discipline table, an institution must meet three simple prerequisites:

- Offer undergraduate or taught postgraduate programmes in the given discipline
- Exceed the minimum required score for the academic and/or employer reputation indicators
- Exceed the five-year threshold for number of papers published and indexed by Scopus in the given discipline

The following chart discloses the minimum number of papers required to be considered in the latest edition of the rankings by subject.

PAPER THRESHOLD BY SUBJECT - YEAR 2021

MINIMUM NUMBER OF PUBLICATIONS INDEXED BY SCOPUS REQUIRED TO BE CONSIDERED IN THE RANKINGS.





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