



World University Rankings® by Subject 2020

Fact File

Summary Version
Version 1.0

ST.PETERSBURG MINING UNIVERSITY

RUSSIA

THE DATA CONTAINED HEREIN IS RELEASED UNDER EMBARGO AND MAY NOT BE
RE-PUBLISHED OR REFERENCED WHOLE OR IN PART UNTIL 00:01UTC 4 MARCH 2020



CONTENTS

Welcome	-----3
Results at a Glance	-----4
Results by Broad Subject Area	-----5
Detailed Results by Subject	-----6
QS Maple & QS World Class	-----9
EduData Summit	-----10
Appendices	-----11

THE 2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT
WILL BE LAUNCHED ON 4 MARCH 2020 ON www.topuniversities.com

WELCOME TO THE 2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

Welcome to your institution's fact file for the QS World University Rankings by Subject 2020.

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 22 million papers, producing close to 200 million citations. 1,368 institutions have been ranked across 48 subjects in 5 subject areas, creating over 15,500 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 first section contains an "at a glance" summary of your institution's performance across the board in all the subject areas covered. The wheel chart is a graphical representation – brightly coloured bars indicate that you have achieved a score in that subject; the longer the bar the higher the score you have attained. A pale bar in a subject area indicates your performance in the broad subject area.

The next 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.

I 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.

Selina Griffin
Rankings Manager, QS

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

ST.PETERSBURG MINING UNIVERSITY

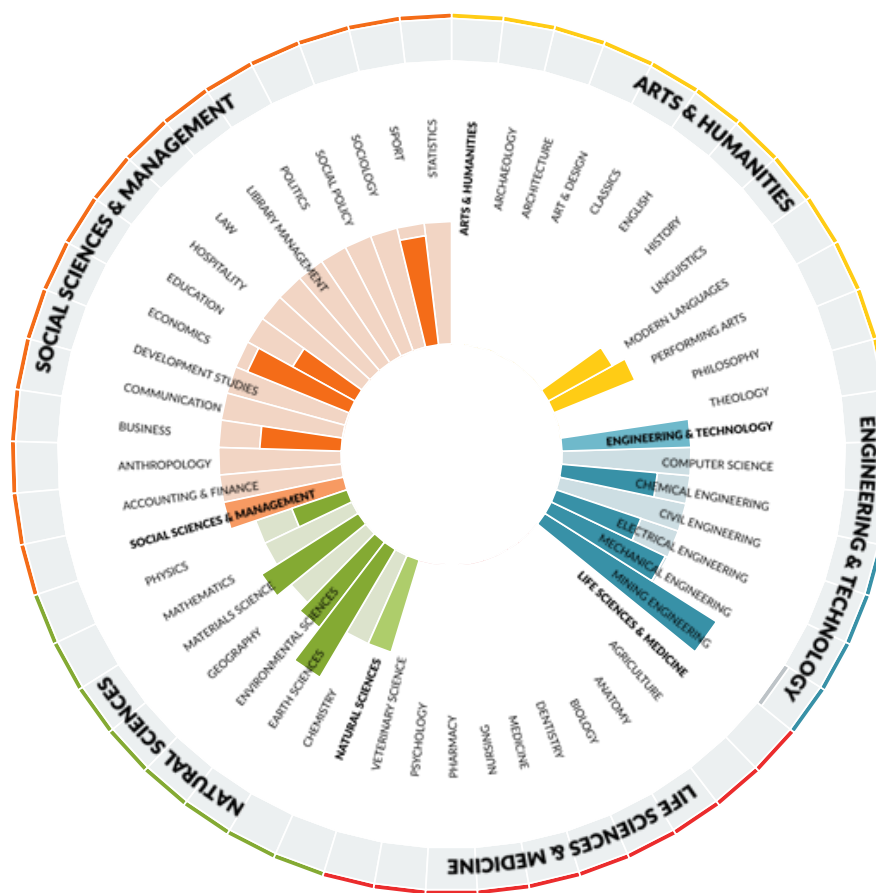
AT A GLANCE






SCORED IN
14 SUBJECTS

RANKED IN
1 SUBJECT

TOP 100 FOR
1 SUBJECT

TOP 50 FOR
1 SUBJECT



- Arts & Humanities 
- Engineering & Technology 
- Life Sciences & Medicine 
- Natural Sciences 
- Social Sciences & Management 

Each bar presents the score in the given subject;

Lightly shaded areas indicate performance in the corresponding broad subject area.

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT AREA

ST.PETERSBURG MINING UNIVERSITY

Russia

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

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

Below is the institution's detailed performance by indicator and overall score across the 48 subjects currently featured in the QS World University Rankings by Subject. It is very unusual for an institution to qualify for consideration in all 48 subjects.

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Arts & Humanities	Arts & Humanities							
	Architecture / Built Environment							
	History							
	Linguistics							
	Modern Languages			17.3	46.0			25.9
	Performing Arts			28.1	42.2			30.9
	Philosophy							
	Theology, Divinity & Religious Studies							
Engineering & Technology	Engineering & Technology			50.7	60.1	18.8	29.9	45.6
	Computer Science & Information Systems							
	Engineering - Chemical			35.9	59.0	1.9	11.2	34.0
	Engineering - Civil & Structural							
	Engineering - Electrical & Electronic			24.3	57.7	13.3	17.0	31.6
	Engineering - Mechanical, Aeronautical & Manufacturing			41.7	55.8	35.9	38.4	44.6
	Engineering - Mineral & Mining	18	1	72.8	94.3	55.5	39.8	71.7
Life Sciences & Medicine	Life Sciences & Medicine							
	Biological Sciences							
	Medicine							

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Natural Sciences	Natural Sciences			41.2	60.4	13.8	13.9	34.1
	Chemistry							
	Earth & Marine Sciences			55.1	72.1	43.3	49.7	52.5
	Environmental Sciences			42.6	58.4	35.4	24.9	38.0
	Geography							
	Materials Science			46.8	52.7	39.6	26.1	40.4
	Mathematics							
	Physics & Astronomy			25.1	48.8	1.1	2.8	20.6
Social Sciences & Management	Social Sciences & Management			38.2	56.7	33.7	37.8	43.3
	Accounting & Finance							
	Business & Management Studies			12.6	47.7	38.2	43.9	28.8
	Communication & Media Studies							
	Economics & Econometrics			34.8	54.1	36.4	33.8	38.8
	Education			21.1	55.7	21.5	23.6	25.1
	Law							
	Politics & International Studies							
	Sociology							
	Sports-related Subjects			40.7	46.9	38.7	25.7	38.8
	Statistics & Operational Research							

NOTES:

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

1. It may not offer a program
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. 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.

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

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

		2018	2019	2020	
Arts & Humanities	Arts & Humanities				
	History				
	Architecture / Built Environment				
	English Language & Literature				
	Linguistics				
	Modern Languages				
	Performing Arts				
	Philosophy				
	Theology, Divinity & Religious Studies				
	Engineering & Technology	Engineering & Technology			
Computer Science & Information Systems					
Engineering - Chemical					
Engineering - Civil & Structural					
Engineering - Mechanical, Aeronautical & Manufacturing					
Engineering - Electrical & Electronic					
Engineering - Mineral & Mining		16=	19=	18	
Life Sciences & Medicine		Life Sciences & Medicine			
	Biological Sciences				
	Medicine				
	Psychology				
Natural Sciences	Natural Sciences				
	Chemistry				
	Earth & Marine Sciences				
	Environmental Sciences				
	Geography				
	Materials Science				
	Mathematics				
	Physics & Astronomy				
	Social Sciences & Management	Social Sciences & Management			
		Accounting & Finance			
Business & Management Studies					
Communication & Media Studies					
Economics & Econometrics					
Education					
Law					
Politics & International Studies					
Sociology					
Sports-related Subjects					
Statistics & Operational Research					



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APPENDICES



DEFINITIONS,
WEIGHTINGS,
THRESHOLDS,
AND HEADLINE FIGURES

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

METHODOLOGY: DEFINITIONS & WEIGHTINGS

ACADEMIC REPUTATION

Between 2015 and 2019 QS has collected votes from over 94,000 academics around the world. Each academic counted has given their opinion on universities in their fields of expertise.

EMPLOYER REPUTATION

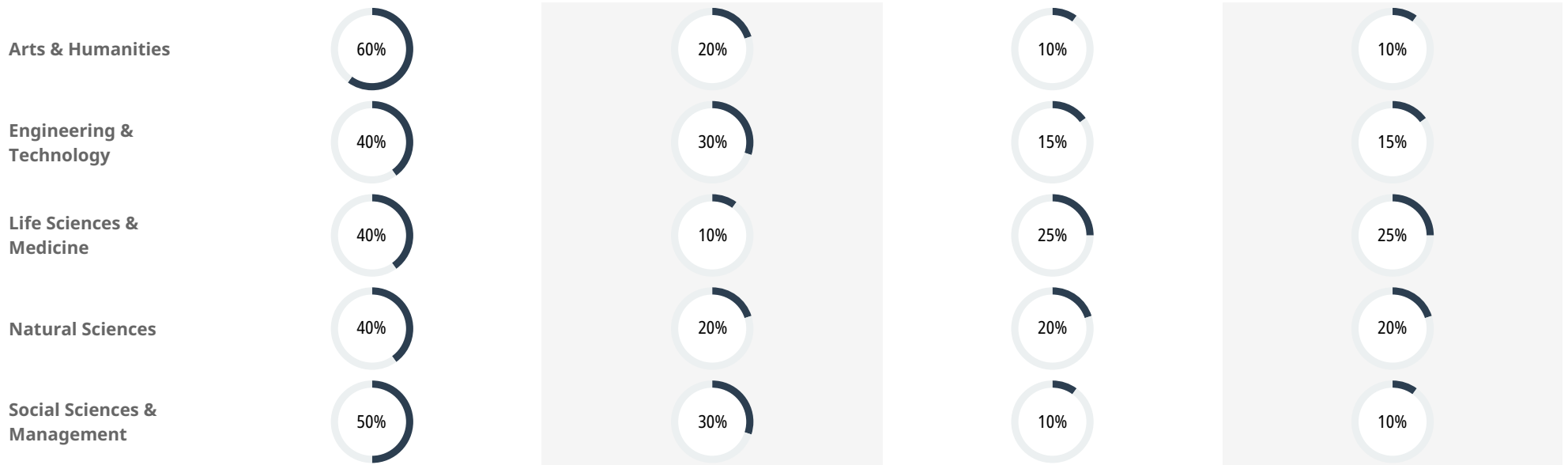
The employability metric is based on employer reputation. Over 44,000 global employer votes have been taken into account between 2015 and 2019 giving us a large pool of information in terms of hiring levels. Employers across all sectors and industries have taken part in the survey and include Facebook, 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.

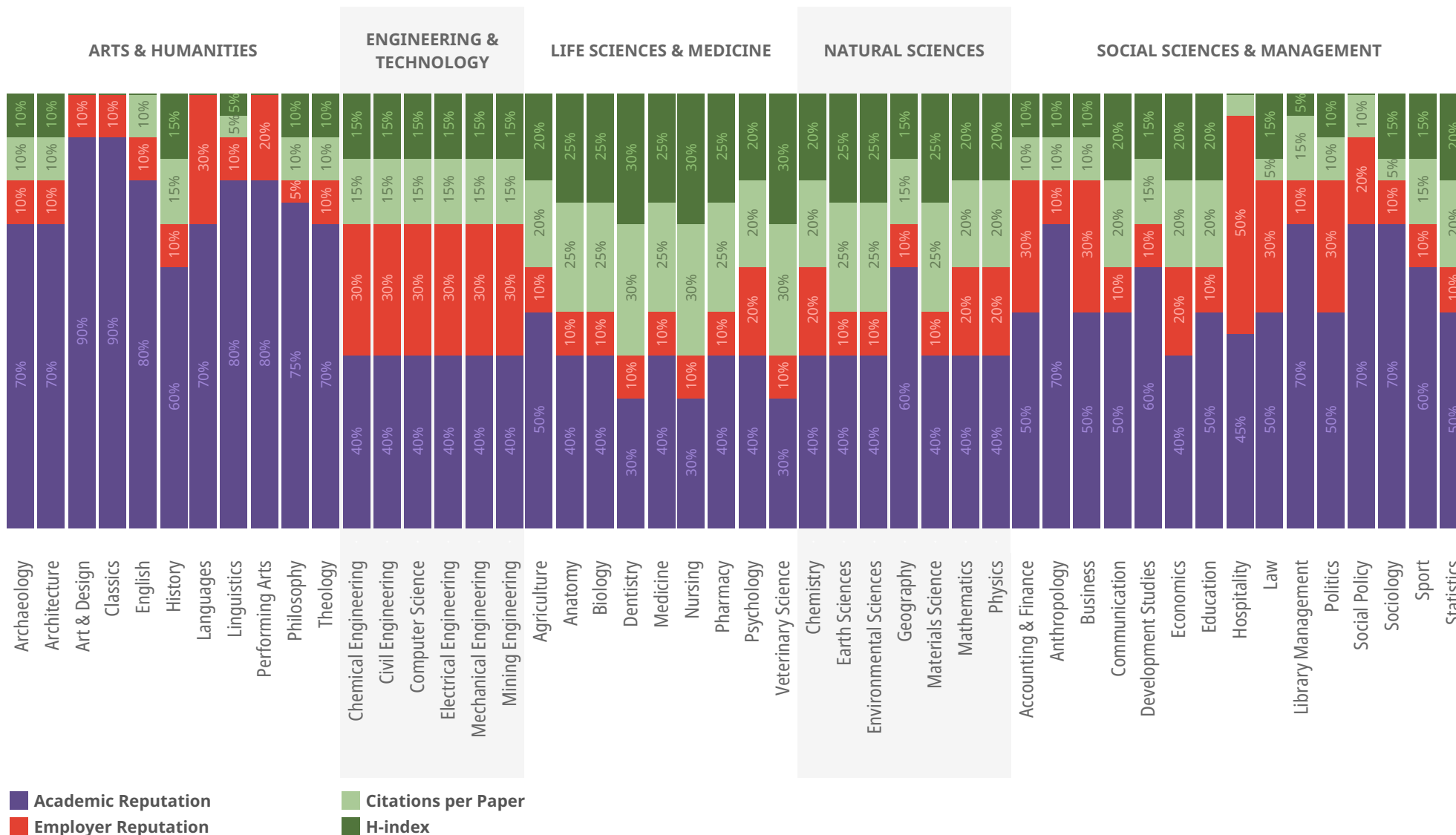
H-INDEX

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.



2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

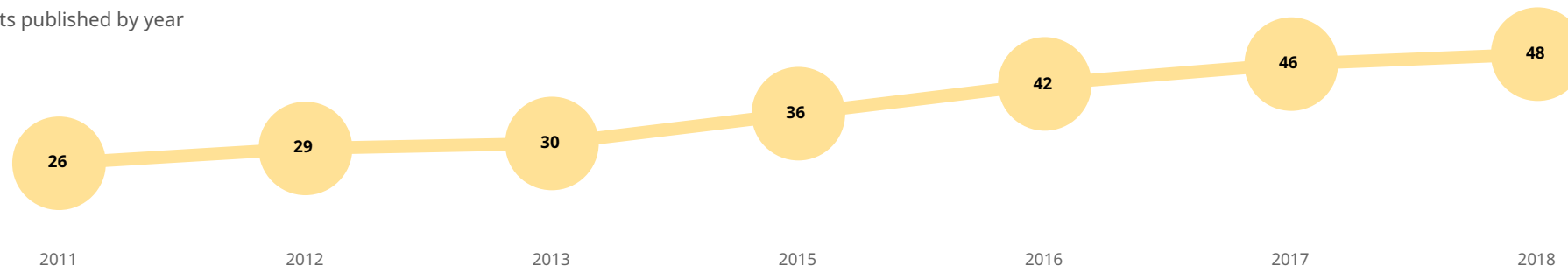
We use a variable approach to the weightings for the different subjects. The chart below provides details of the combinations used in the 2020 edition of the rankings.



2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

The **QS World University Rankings® by Subject** ranks the world's top universities in individual subject areas, covering 48 disciplines as of 2020. A list of the considered subjects, grouped by the year of first release, is presented below.

Subjects published by year



2011	2012	2013	2015	2016	2017	2018
Accounting & Finance Biology Chemical Engineering Chemistry Civil Engineering Computer Science Earth Sciences Economics Electrical Engineering English Environmental Sciences Geography History Languages Law Linguistics Materials Science Mathematics Mechanical Engineering Medicine Philosophy Physics Politics Psychology Sociology Statistics	Communication Education Pharmacy	Agriculture	Architecture Art & Design Business Dentistry Development Studies Veterinary Science	Anthropology Archaeology Mining Engineering Nursing Performing Arts Social Policy	Anatomy Hospitality Sport Theology	Classics Library Management

PUBLISHED INSTITUTIONS BY LOCATION



TOP 10 LOCATIONS BY NUMBER OF INSTITUTIONS CONSIDERED

United States	441
France	191
United Kingdom	173
India	165
Russia	163
Germany	138
China (mainland)	131
Japan	122
South Korea	107
Brazil	94

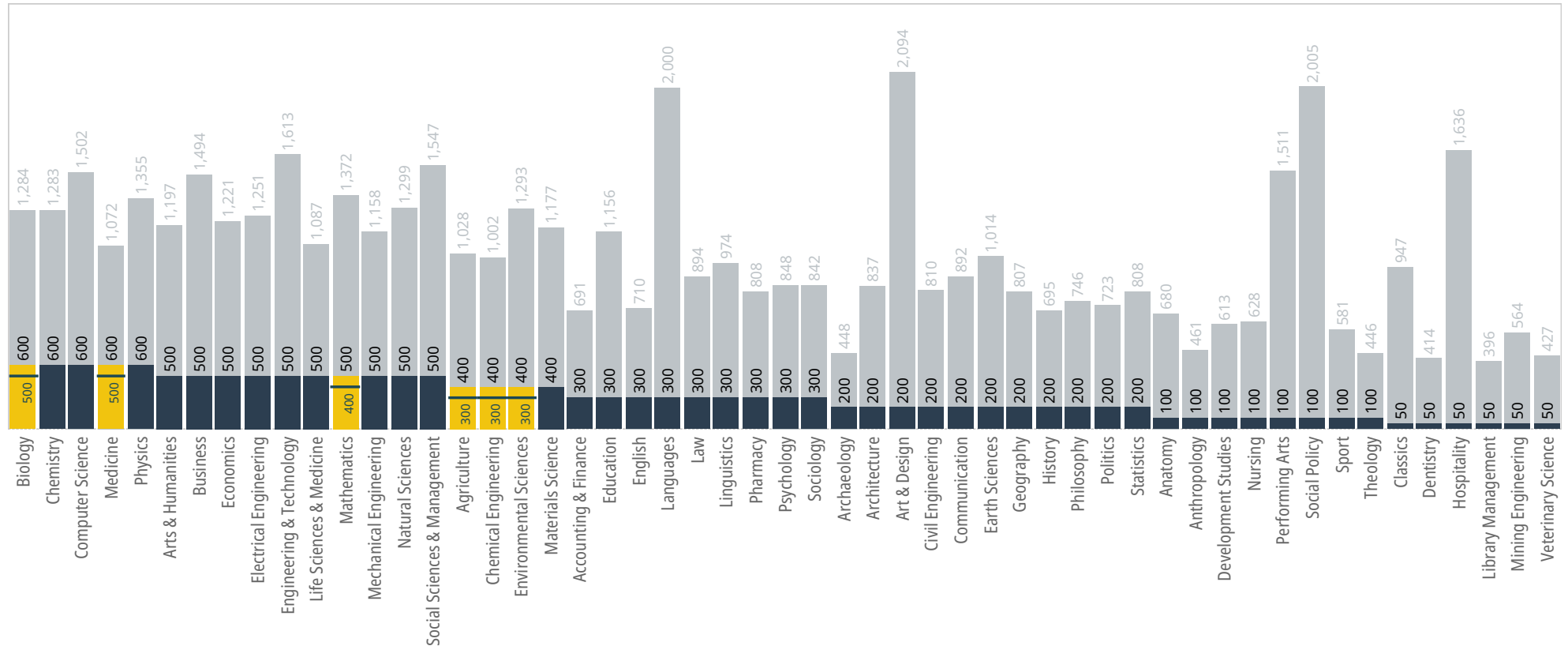
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

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

Subjects	Locations	Institutions
48	158	1,368

INSTITUTIONS CONSIDERED AND PUBLISHED BY SUBJECT - YEAR 2020

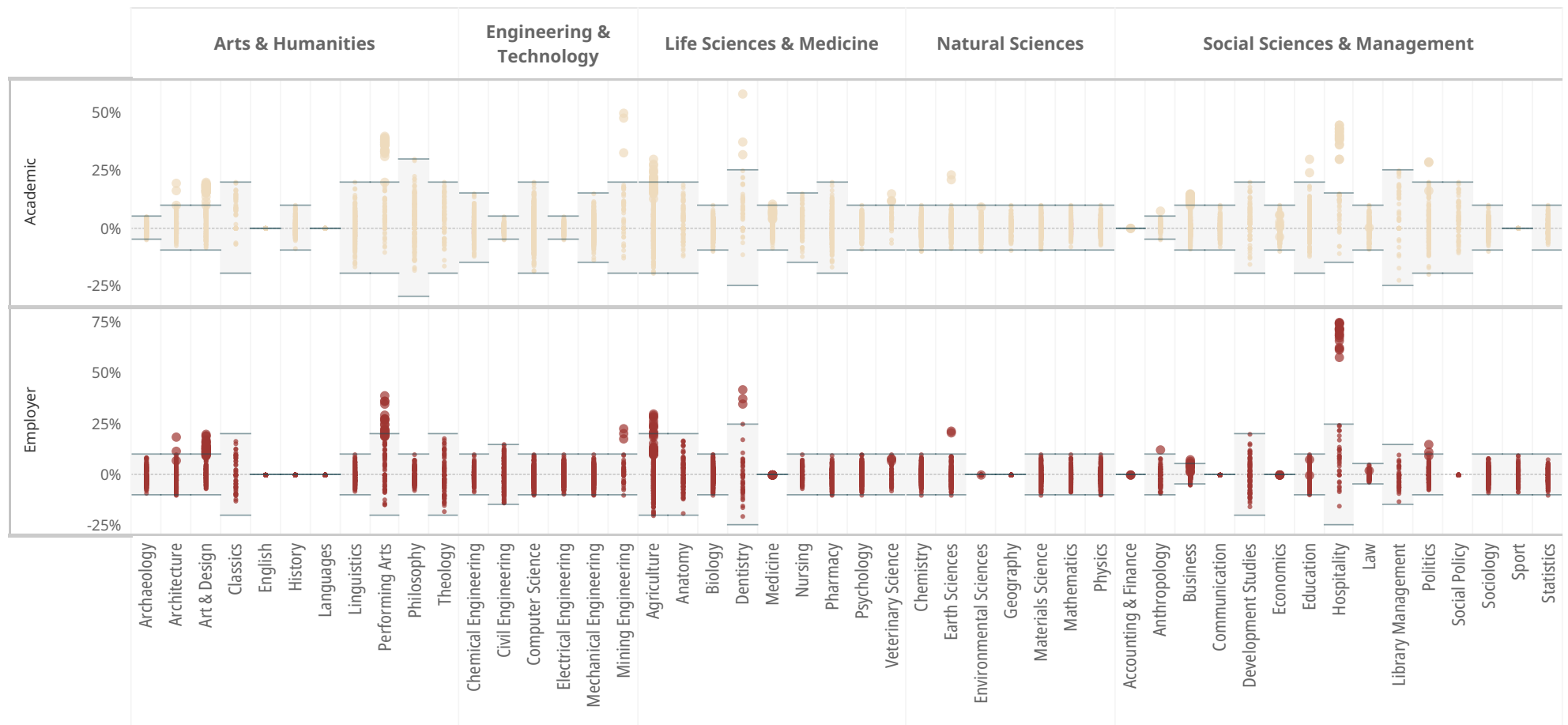
Subjects with **highlight color** have extended publishing ranges.



2020 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 five 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. The maximum change cannot exceed the percentages presented in the chart below.

DISTRIBUTION OF SPECIALIST ADJUSTMENTS - REPUTATION



2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

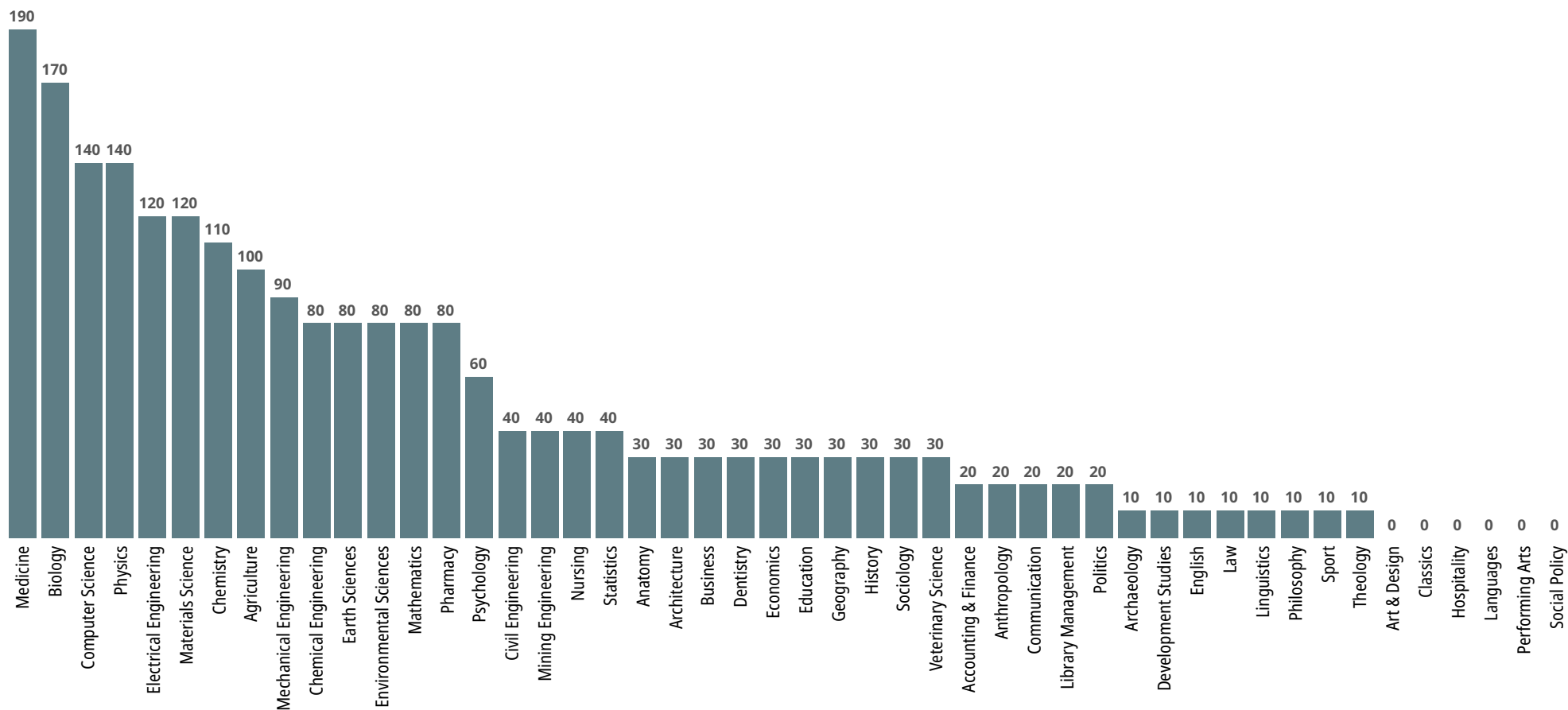
In order to feature in any discipline table, an institution must meet three simple prerequisites:

- 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 2020

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



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