QS WORLD UNIVERSITY RANKINGS®

World University Rankings® by Subject 2020

Fact File

Extended Version
Version 1.0

ARISTOTLE UNIVERSITY OF THESSALONIKI

GREECE

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

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THE 2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT
WERE 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

ARISTOTLE UNIVERSITY OF THESSALONIKI

AT A GLANCE

RANKED IN

5 BROAD SUBJECT AREAS

SCORED IN

43 SUBJECTS

RANKED IN

22 SUBJECTS

TOP 100 FOR

2 SUBJECTS

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.

ARISTOTLE UNIVERSITY OF THESSALONIKI

Greece

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
231=	224=	338=	324=	308=

OVERALL SCORES BY SUBJECT AREA

In 2020, Aristotle University of Thessaloniki has been ranked in 5 out of 5 broad subject areas.

Engineering & Technology is the institution's strongest field at **224=** and an overall score of **69.4**.

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	231=	1	68.6	66.5	79.9	50.6	67.5
	Archaeology	51-100	1	74.1	44.7	73.8	63.3	70.1
	Architecture / Built Environment	151-200	2	47.7	65.6	88.9	73.0	56.1
	Art & Design			39.7	75.2			43.3
	Classics & Ancient History	16	1	90.8	62.1			87.9
	English Language & Literature	251-300	1	53.4	67.8	55.1		55.0
	History			51.8	59.2	66.9	65.0	56.8
	Linguistics							
	Modern Languages			61.1	60.3			60.9
	Performing Arts			47.4	29.6			43.8
	Philosophy			49.2	55.2	63.9	34.8	49.5
	Theology, Divinity & Religious Studies			53.7	56.3	46.5	57.1	53.6
Engineering & Technology	Engineering & Technology	224=	2	65.2	64.9	82.4	76.3	69.4
	Computer Science & Information Systems	251-300	4	42.9	64.7	79.0	78.3	60.2
	Engineering - Chemical	151-200	1	58.8	73.5	79.2	73.1	68.4
	Engineering - Civil & Structural	101-150	2	68.2	66.9	87.3	80.5	72.5
	Engineering - Electrical & Electronic	151-200	2	55.6	67.8	86.4	75.4	66.9
	Engineering - Mechanical, Aeronautical & Manufact..	201-250	3	57.1	64.1	80.6	72.7	65.1
	Engineering - Mineral & Mining			27.2	64.7	84.7	76.4	54.5
Life Sciences & Medicine	Life Sciences & Medicine	338=	2	59.2	60.6	69.2	53.8	60.5
	Agriculture & Forestry	151-200	1	49.7	55.2	78.4	78.5	61.8
	Anatomy & Physiology			44.6	51.9	67.9	73.9	58.5
	Biological Sciences	401-450	2	44.4	47.2	77.5	68.3	58.9
	Dentistry			35.1	42.2	81.0	76.9	62.1
	Medicine	301-350	2	51.8	56.6	82.6	76.4	66.1
	Nursing			52.0	78.8	77.8	57.0	63.9
	Pharmacy & Pharmacology	201-250	2	49.4	58.2	79.7	79.1	65.3
	Psychology	251-300	1	57.9	70.1	68.6	58.8	62.7
	Veterinary Science			22.1	67.4	81.0	63.9	56.8

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

		Global Rank	Domestic Rank	Academic	Employer	Citations	H-index	Score
Natural Sciences	Chemistry	301-350	1	50.8	61.2	83.8	69.9	63.3
	Earth & Marine Sciences			60.7	61.1	80.4	78.6	70.1
	Environmental Sciences	201-250	1	59.0	59.3	87.1	79.0	71.1
	Geography							
	Materials Science	301-350	2	49.5	52.7	84.6	64.3	62.3
	Mathematics	351-400	2	46.6	58.4	77.3	66.6	59.1
	Natural Sciences	324=	2	54.9	60.6	76.0	76.8	64.6
	Physics & Astronomy	301-350	2	53.3	45.1	77.3	77.0	61.2
Social Sciences & Management	Accounting & Finance			38.2	64.7	50.7	63.5	49.9
	Anthropology			40.8	48.4	36.5	45.9	41.6
	Business & Management Studies	301-350	2	42.0	67.6	79.1	74.4	56.6
	Communication & Media Studies			58.1	71.8	73.4	62.6	63.4
	Economics & Econometrics	251-300	2	49.9	65.4	76.8	63.6	61.1
	Education	251-300	1	49.8	62.9	72.9	66.4	59.1
	Hospitality & Leisure Management							
	Law			53.3	58.9	69.4	53.7	55.8
	Library & Information Management			36.1	44.8	46.7	53.0	39.4
	Politics & International Studies			34.3	60.1	58.5	37.0	44.7
	Social Policy & Administration			51.0	62.4			48.2
	Social Sciences & Management	308=	2	59.1	66.1	86.1	63.5	64.3
	Sociology			43.2	66.0	71.2	52.4	48.3
	Sports-related Subjects			53.5	65.2	85.6	70.0	62.0
	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	269=	264=	231=
	Art & Design			
	History			
	Archaeology	51-100	51-100	51-100
	Architecture / Built Environment	151-200	151-200	151-200
	Classics & Ancient History	16	22=	16
	English Language & Literature	201-250	251-300	251-300
	Linguistics			
	Modern Languages			
	Performing Arts			
	Philosophy			
	Theology, Divinity & Religious Studies			
Engineering & Technology	Engineering & Technology	222	265=	224=
	Computer Science & Information Systems	251-300	301-350	251-300
	Engineering - Chemical	201-250	201-250	151-200
	Engineering - Civil & Structural	101-150	151-200	101-150
	Engineering - Mechanical, Aeronautical & Manufactu..	251-300	251-300	201-250
	Engineering - Electrical & Electronic	151-200	201-250	151-200
	Engineering - Mineral & Mining			
Life Sciences & Medicine	Life Sciences & Medicine	330=	338=	338=
	Agriculture & Forestry	151-200	151-200	151-200
	Anatomy & Physiology			
	Biological Sciences	351-400	351-400	401-450
	Medicine	201-250	251-300	301-350
	Pharmacy & Pharmacology	201-250	201-250	201-250
	Psychology			251-300
	Veterinary Science			
	Dentistry			
	Nursing			

		2018	2019	2020
Natural Sciences	Natural Sciences	266=	369=	324=
	Chemistry	301-350	351-400	301-350
	Earth & Marine Sciences			
	Environmental Sciences	101-150	201-250	201-250
	Geography			
	Materials Science		351-400	301-350
	Mathematics	351-400		351-400
	Physics & Astronomy	301-350	351-400	301-350
Social Sciences & Management	Social Sciences & Management	320=	362=	308=
	Accounting & Finance			
	Anthropology			
	Business & Management Studies		351-400	301-350
	Communication & Media Studies			
	Development Studies			
	Economics & Econometrics	251-300	251-300	251-300
	Education	201-250	251-300	251-300
	Hospitality & Leisure Management			
	Law	251-300	251-300	
	Library & Information Management			
	Politics & International Studies			
	Social Policy & Administration			
	Sociology			
	Sports-related Subjects			
	Statistics & Operational Research			

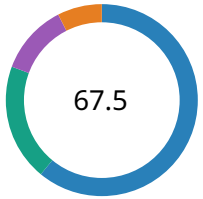
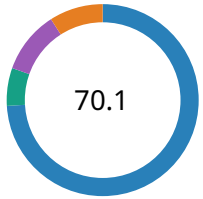
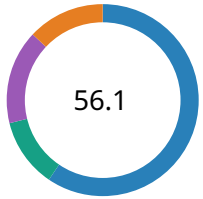
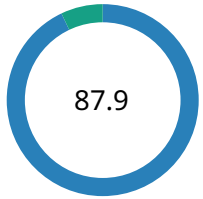
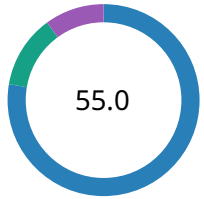
ARTS & HUMANITIES

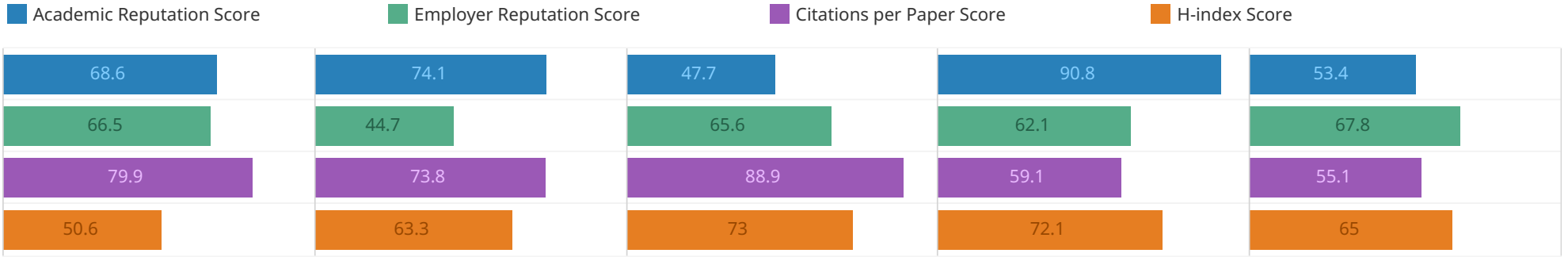
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

RANKINGS PERFORMANCE - **ARTS & HUMANITIES** AND RELATED SUBJECTS

Arts & Humanities	Archaeology	Architecture	Classics	English
231=	51-100	151-200	16	251-300

The circles represent the contribution of each indicator to the overall score, as displayed in the centre.
The bar charts provide the scores by indicator. The maximum achieabable in each of them is 100 points.

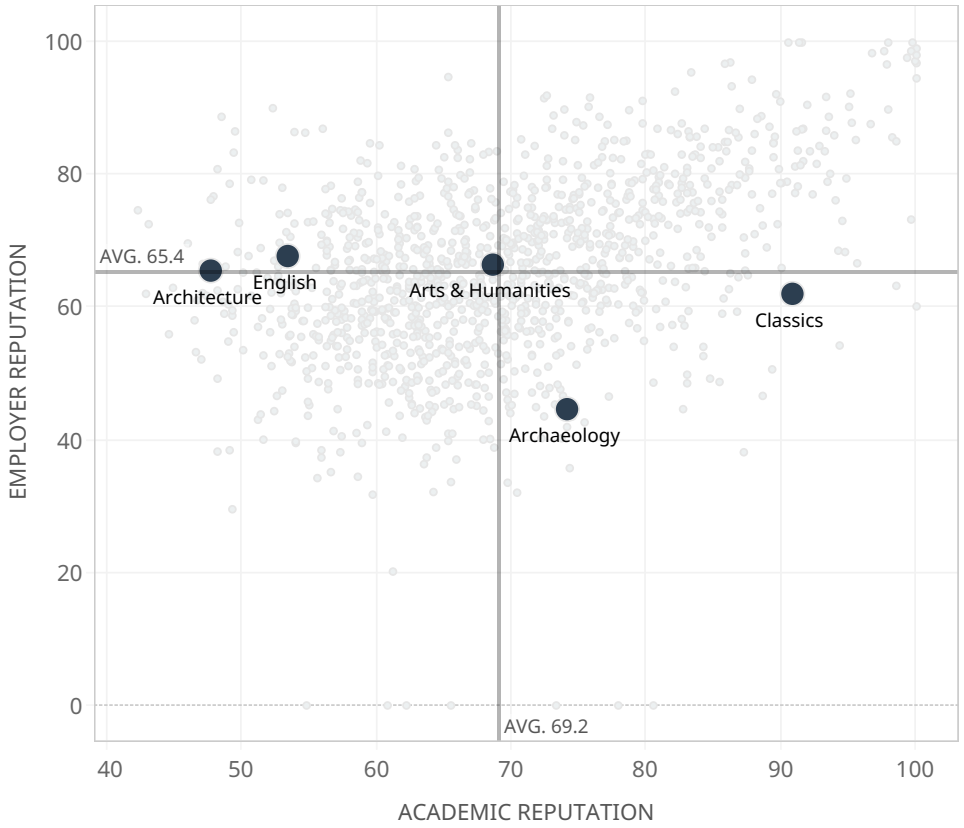
Arts & Humanities	Archaeology	Architecture	Classics	English
				
67.5	70.1	56.1	87.9	55.0



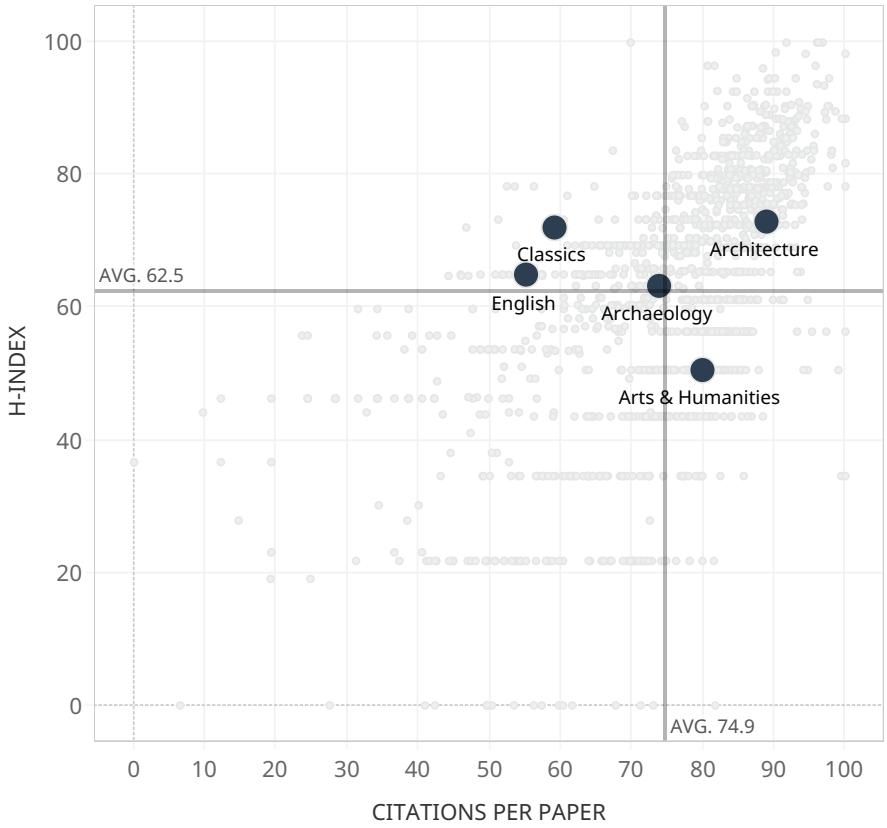
ARISTOTLE UNIVERSITY OF THESSALONIKI

The following charts provide a view of the reputational (left side) and research-related (right side) indicators used in the Rankings by Subject. The scatter plots combine two relevant variables, highlighting the institution's performance compared to institutions globally.

ARTS & HUMANITIES | ACADEMIC & EMPLOYER REPUTATION SCORES



ARTS & HUMANITIES | CITATIONS PER PAPER & H-INDEX SCORES

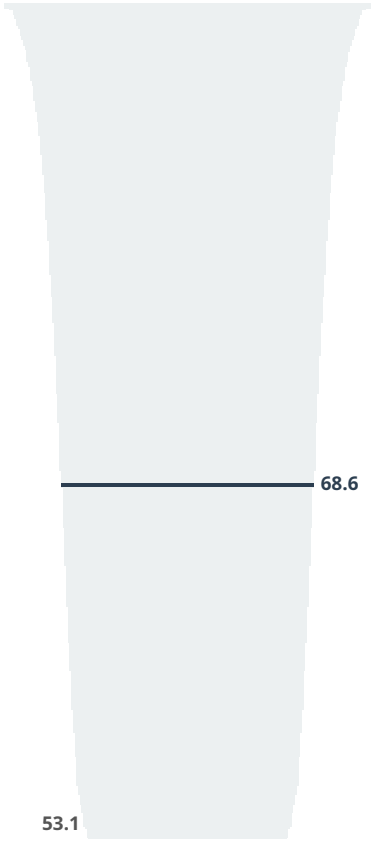


ARISTOTLE UNIVERSITY OF THESSALONIKI

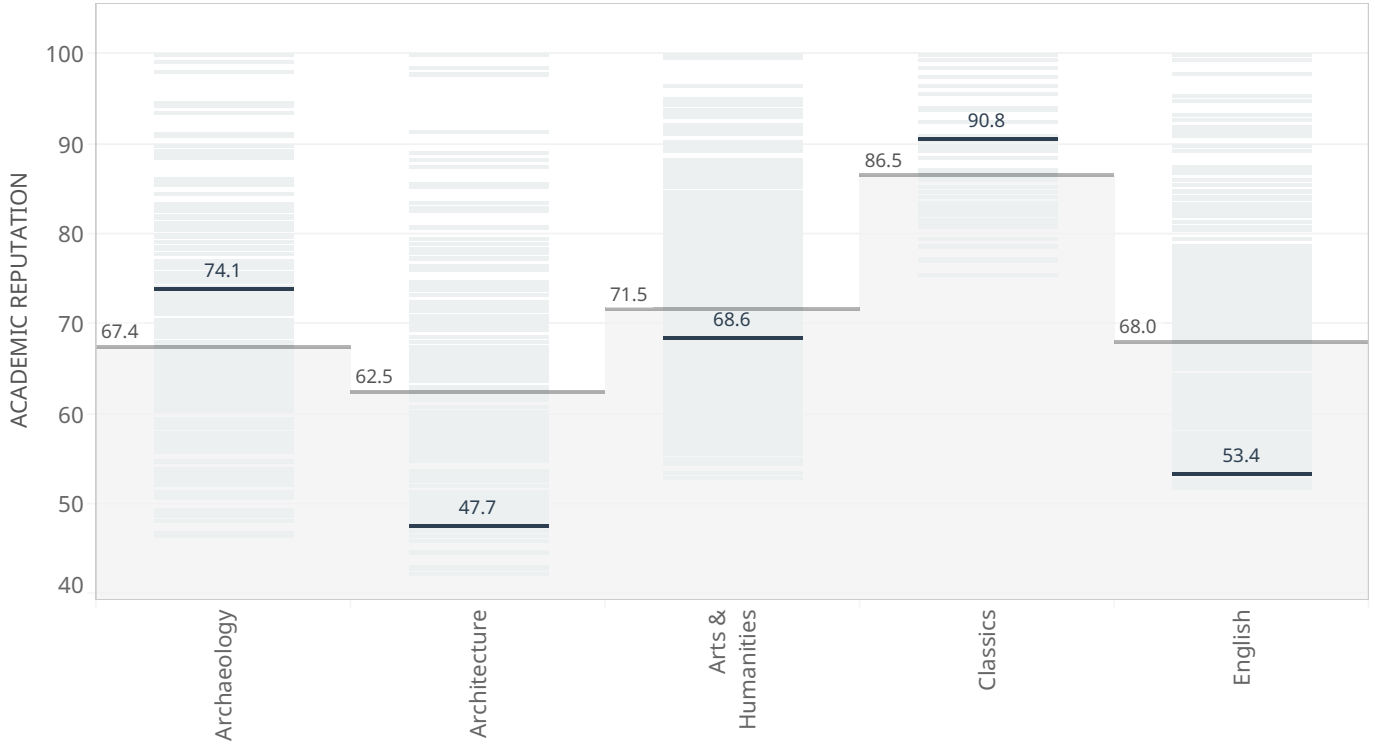
ACADEMIC REPUTATION SCORES

The charts below present the **Academic Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



ARTS & HUMANITIES | SPECIFIC SUBJECTS



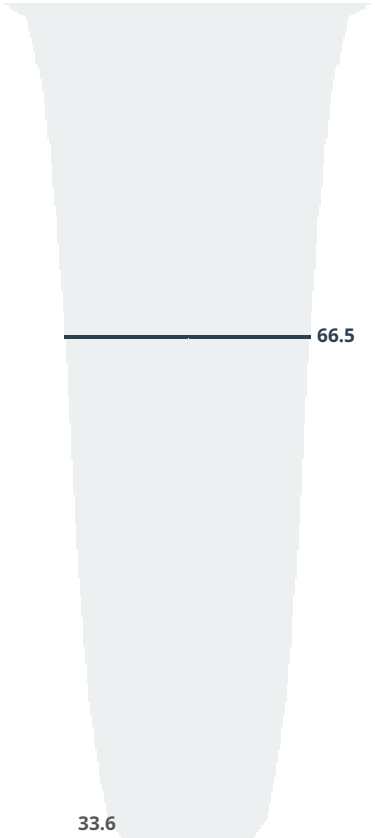
The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

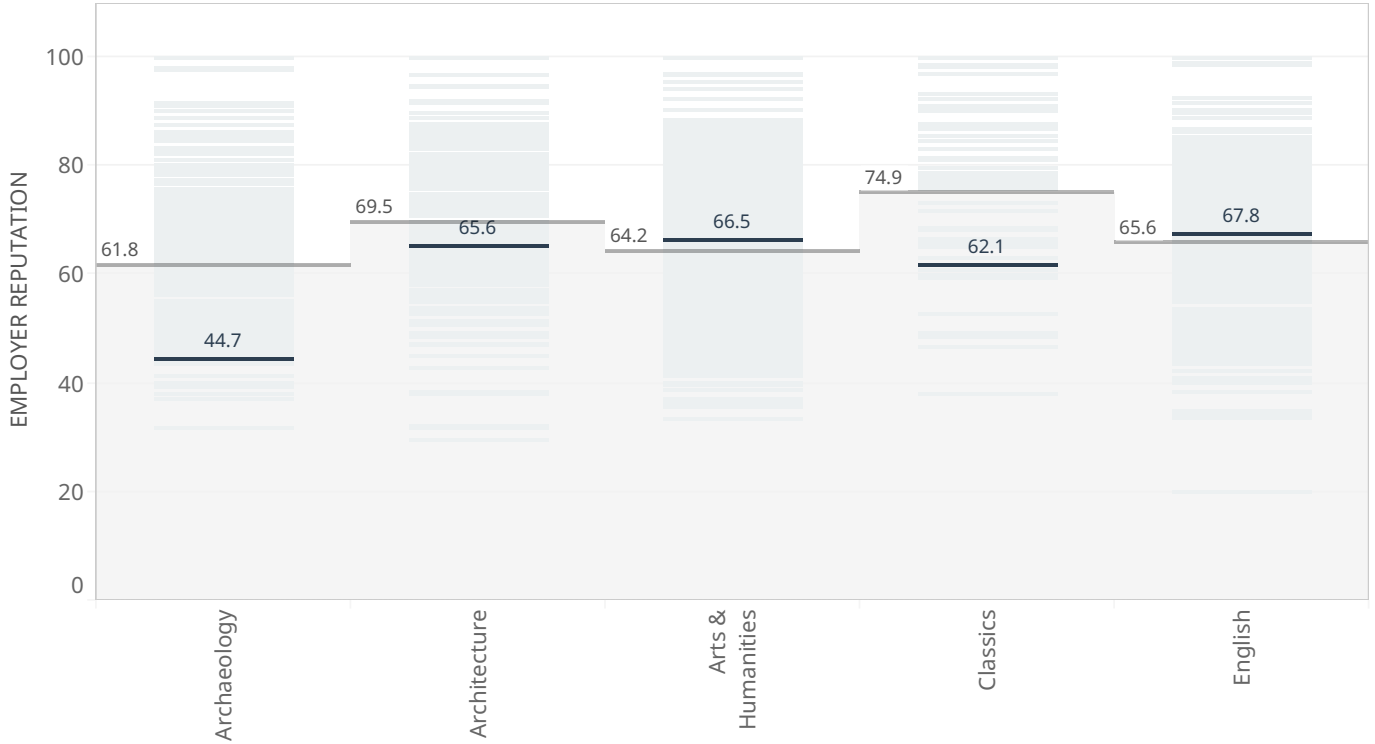
EMPLOYER REPUTATION SCORES

The charts below present the **Employer Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



ARTS & HUMANITIES | SPECIFIC SUBJECTS

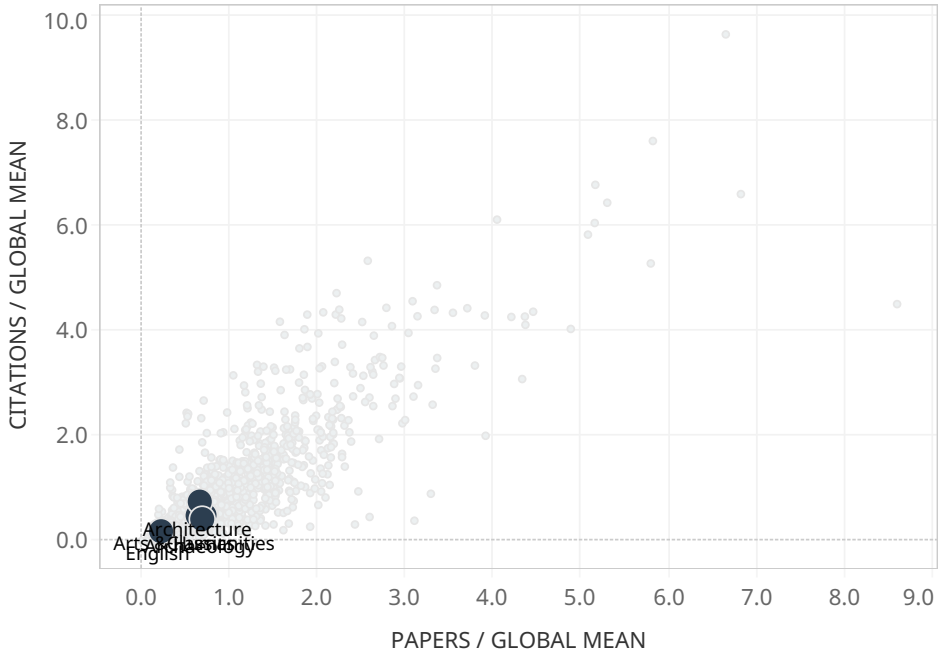


The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

ARTS & HUMANITIES | PAPERS AND CITATIONS COUNTS - DIFFERENCE AGAINST GLOBAL MEAN BY SUBJECT

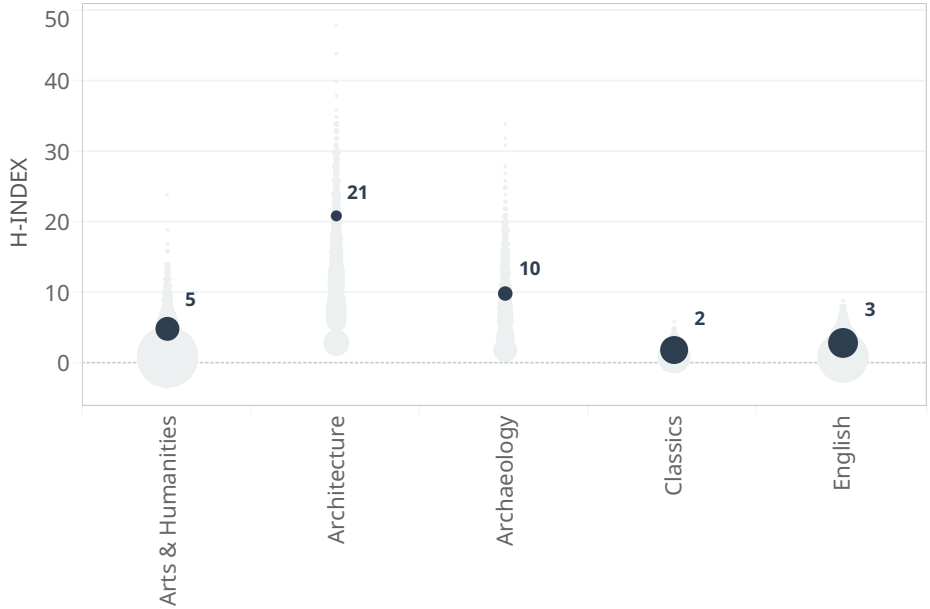
The chart below presents the relationship between **the institution's counts of papers and citations** and the respective global means by subject. A ratio of 1.0 represents a performance on a par with the global average.



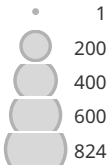
In 2020, Architecture delivered the best relative results in terms of citations for Aristotle University of Thessaloniki, representing roughly 0.7 times the global average. On the other hand, the institution published 0.7 times the average number of papers indexed globally over the 2013-2017 period.

ARTS & HUMANITIES | H-INDEX BY SUBJECT

The chart provides a view of the performance in the h-index, highlighting the **institution's index** against the global performance. The size of the bubble represents the total number of institutions recorded in each performance level.



In the 2020 edition of the rankings, Architecture was Aristotle University of Thessaloniki's subject with the highest h-index at 21. This means that 21 papers published by the institution from 2013-2017 attracted at least 21 citations in a six year period (2013-2018).



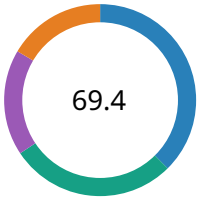
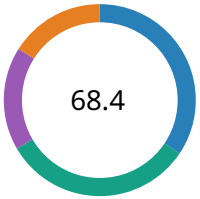
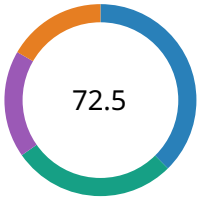
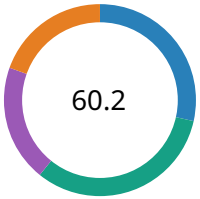
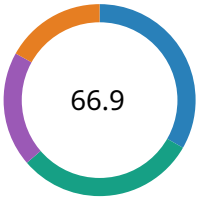
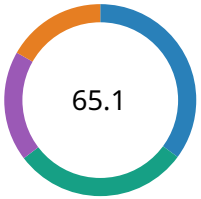
ENGINEERING & TECHNOLOGY

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

RANKINGS PERFORMANCE - **ENGINEERING & TECHNOLOGY** AND RELATED SUBJECTS

Engineering & Technology	Chemical Engineering	Civil Engineering	Computer Science	Electrical Engineering	Mechanical Engineering
224=	151-200	101-150	251-300	151-200	201-250

The circles represent the contribution of each indicator to the overall score, as displayed in the centre.
The bar charts provide the scores by indicator. The maximum achieabable in each of them is 100 points.

Engineering & Technology	Chemical Engineering	Civil Engineering	Computer Science	Electrical Engineering	Mechanical Engineering
					
69.4	68.4	72.5	60.2	66.9	65.1
65.2	58.8	68.2	42.9	55.6	57.1
64.9	73.5	66.9	64.7	67.8	64.1
82.4	79.2	87.3	79	86.4	80.6
76.3	73.1	80.5	78.3	75.4	72.7

ARISTOTLE UNIVERSITY OF THESSALONIKI

The following charts provide a view of the reputational (left side) and research-related (right side) indicators used in the Rankings by Subject. The scatter plots combine two relevant variables, highlighting the institution's performance compared to institutions globally.

ENGINEERING & TECHNOLOGY | ACADEMIC & EMPLOYER REPUTATION SCORES

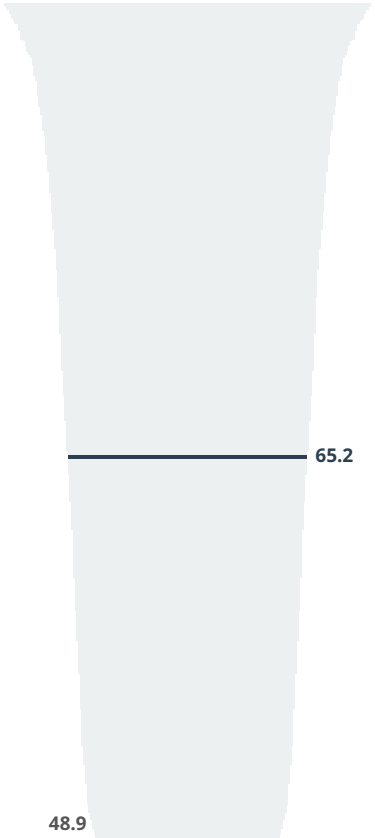
ENGINEERING & TECHNOLOGY | CITATIONS PER PAPER & H-INDEX SCORES

ARISTOTLE UNIVERSITY OF THESSALONIKI

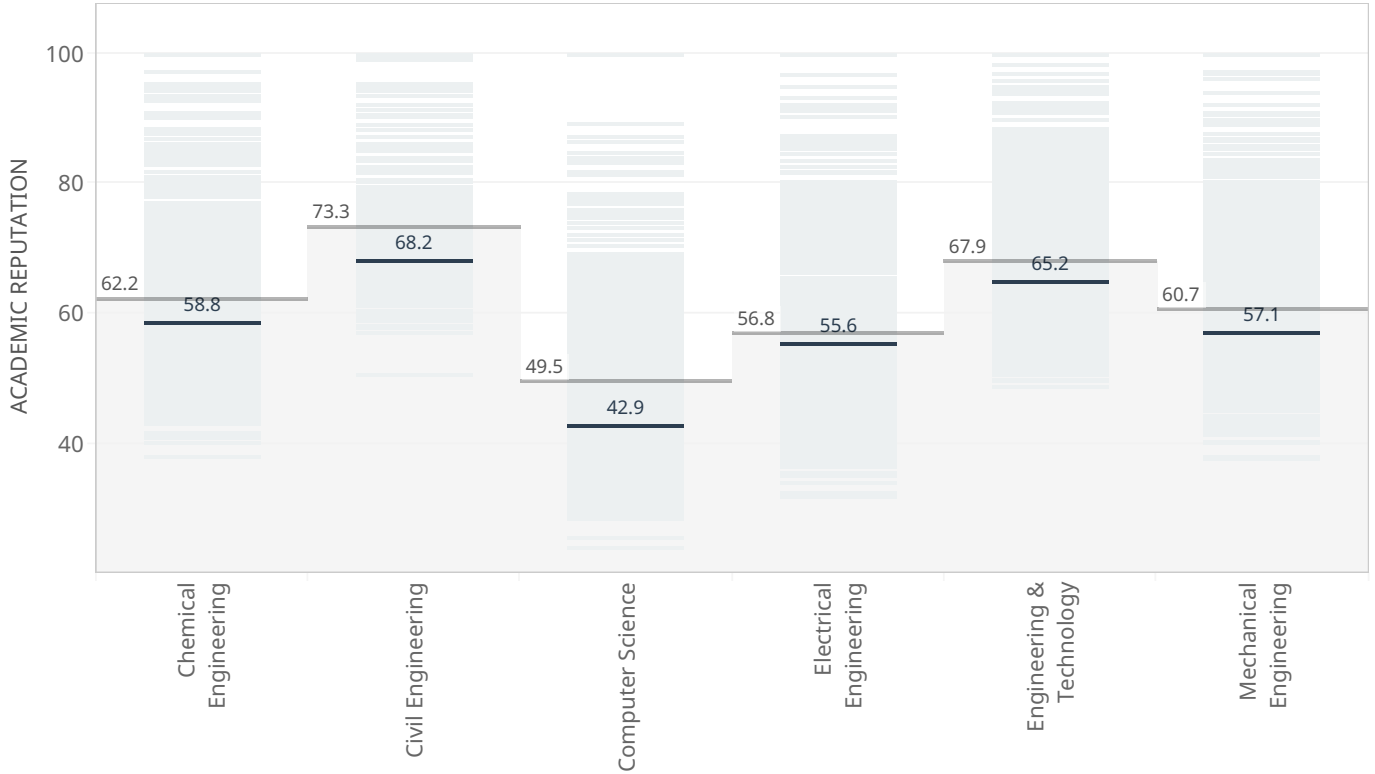
ACADEMIC REPUTATION SCORES

The charts below present the **Academic Reputation Scores** for the institutions featured in the rankings **Institution's results** | **global mean**.

BROAD SUBJECT AREA



ENGINEERING & TECHNOLOGY | SPECIFIC SUBJECTS



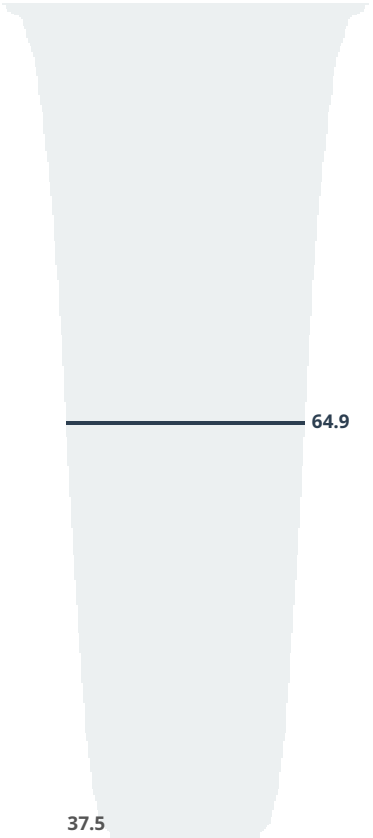
The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

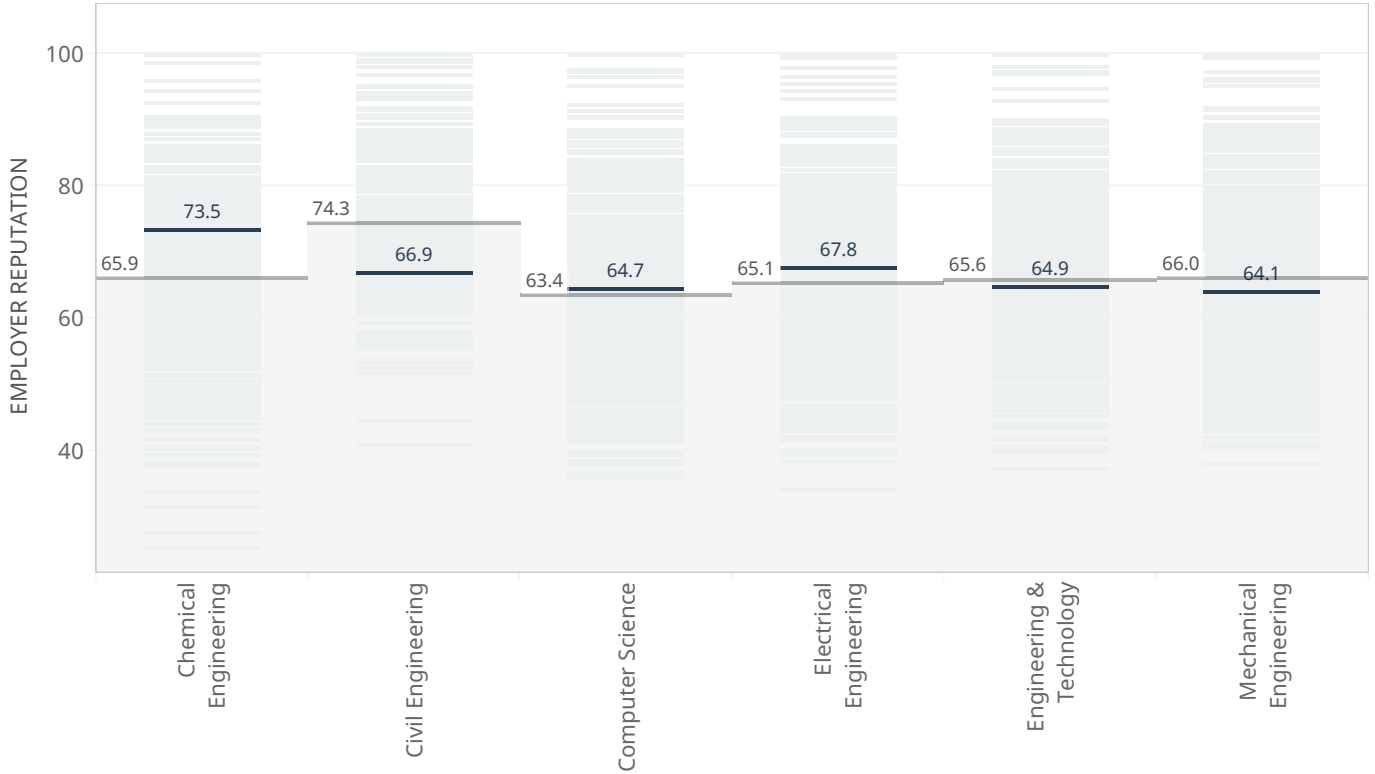
EMPLOYER REPUTATION SCORES

The charts below present the **Employer Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



ENGINEERING & TECHNOLOGY | SPECIFIC SUBJECTS

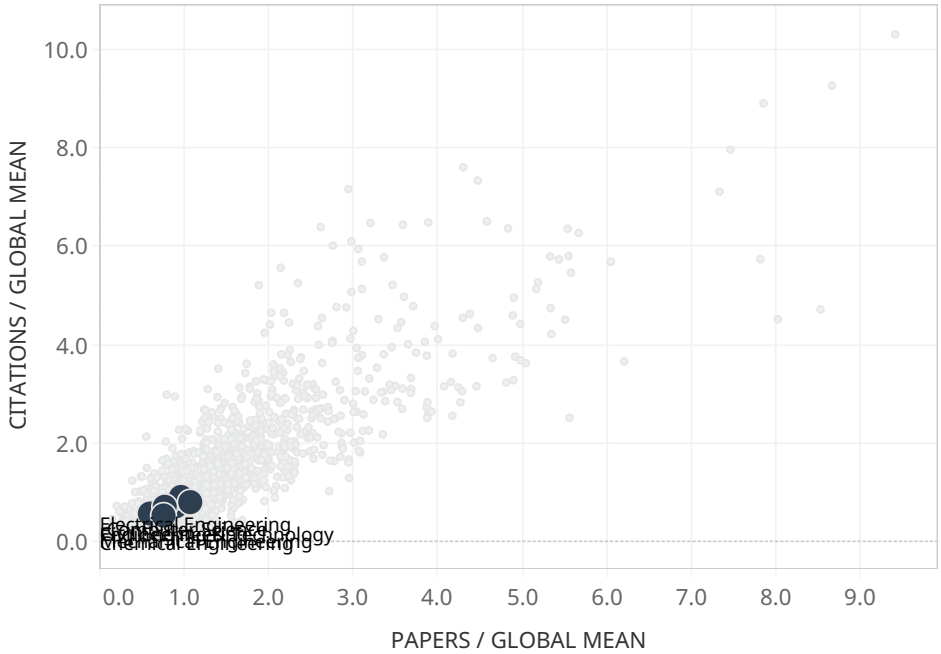


The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

ENGINEERING & TECHNOLOGY | PAPERS AND CITATIONS COUNTS - DIFFERENCE AGAINST GLOBAL MEAN BY SUBJECT

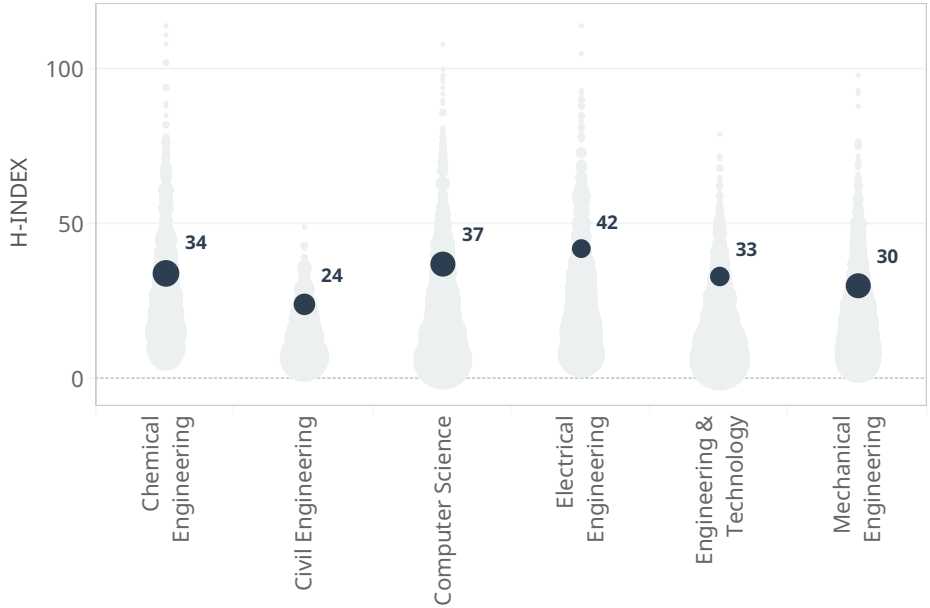
The chart below presents the relationship between **the institution's counts of papers and citations** and the respective global means by subject. A ratio of 1.0 represents a performance on a par with the global average.



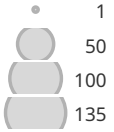
In 2020, Electrical Engineering delivered the best relative results in terms of citations for Aristotle University of Thessaloniki, representing roughly 0.9 times the global average. On the other hand, the institution published 1.0 times the average number of papers indexed globally over the 2013-2017 period.

ENGINEERING & TECHNOLOGY | H-INDEX BY SUBJECT

The chart provides a view of the performance in the h-index, highlighting the **institution's index** against the global performance. The size of the bubble represents the total number of institutions recorded in each performance level.



In the 2020 edition of the rankings, Electrical Engineering was Aristotle University of Thessaloniki's subject with the highest h-index at 42. This means that 42 papers published by the institution from 2013-2017 attracted at least 42 citations in a six year period (2013-2018).



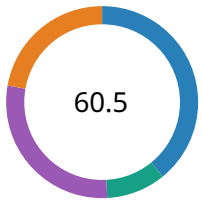
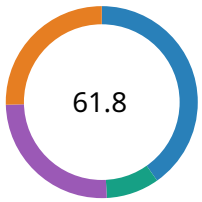
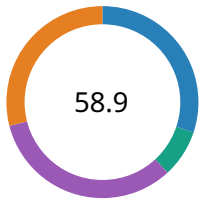
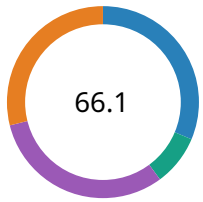
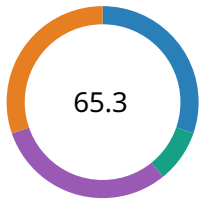
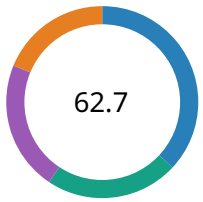
LIFE SCIENCES & MEDICINE

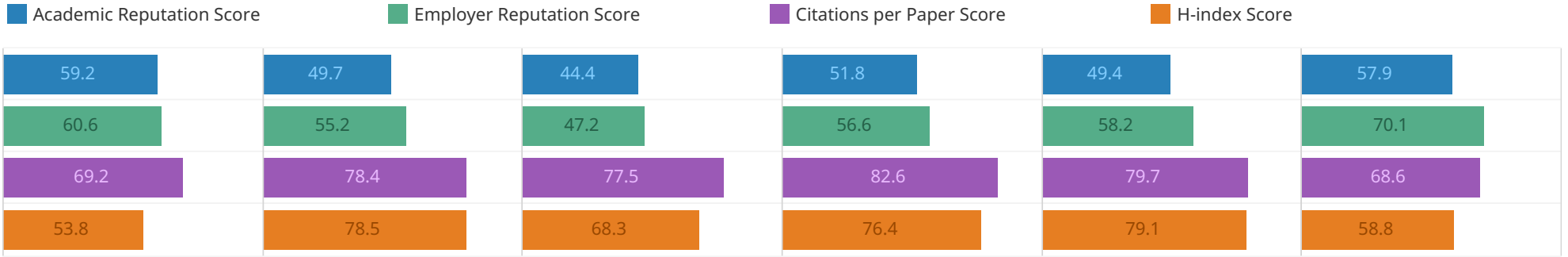
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

RANKINGS PERFORMANCE - **LIFE SCIENCES & MEDICINE** AND RELATED SUBJECTS

Life Sciences & Medicine	Agriculture	Biology	Medicine	Pharmacy	Psychology
338=	151-200	401-450	301-350	201-250	251-300

The circles represent the contribution of each indicator to the overall score, as displayed in the centre.
The bar charts provide the scores by indicator. The maximum achieabable in each of them is 100 points.

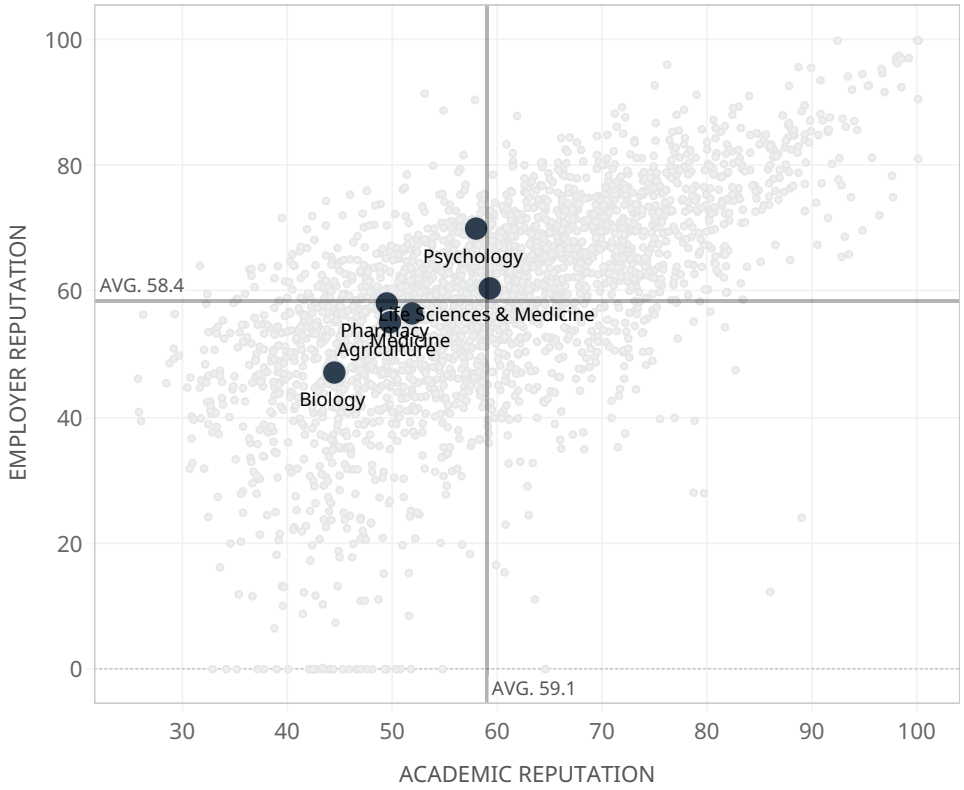
Life Sciences & Medicine	Agriculture	Biology	Medicine	Pharmacy	Psychology
					



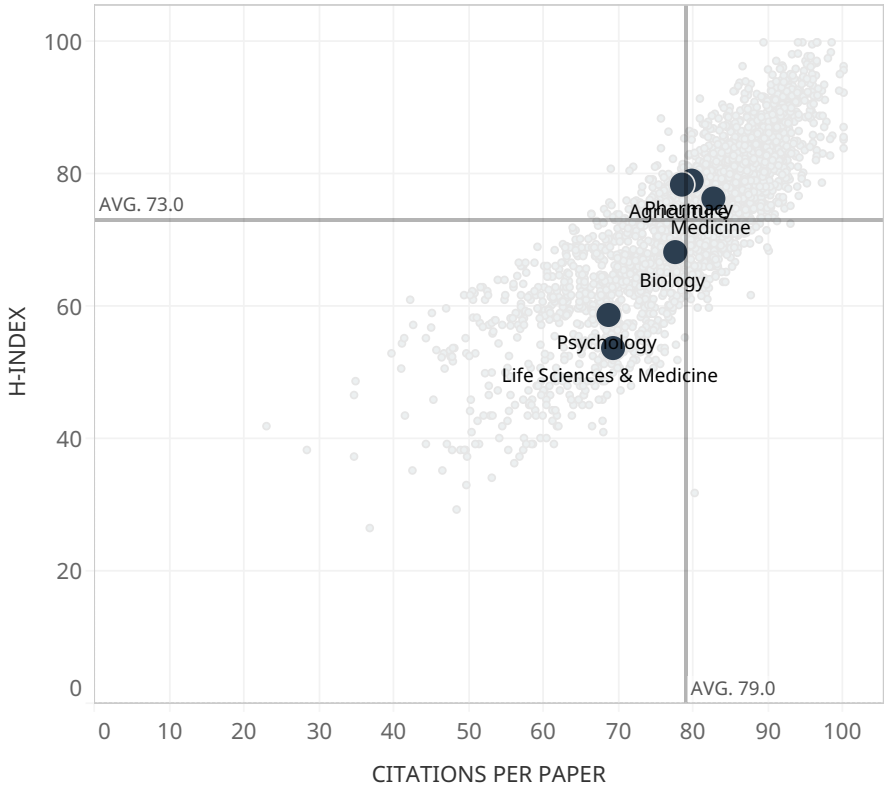
ARISTOTLE UNIVERSITY OF THESSALONIKI

The following charts provide a view of the reputational (left side) and research-related (right side) indicators used in the Rankings by Subject. The scatter plots combine two relevant variables, highlighting the institution's performance compared to institutions globally.

LIFE SCIENCES & MEDICINE | ACADEMIC & EMPLOYER REPUTATION SCORES



LIFE SCIENCES & MEDICINE | CITATIONS PER PAPER & H-INDEX SCORES

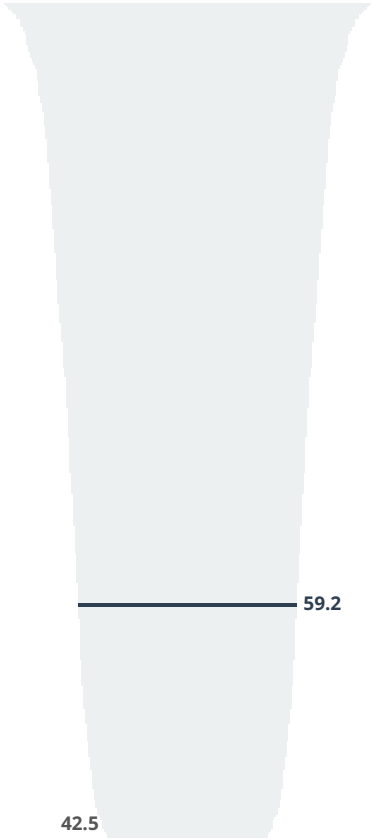


ARISTOTLE UNIVERSITY OF THESSALONIKI

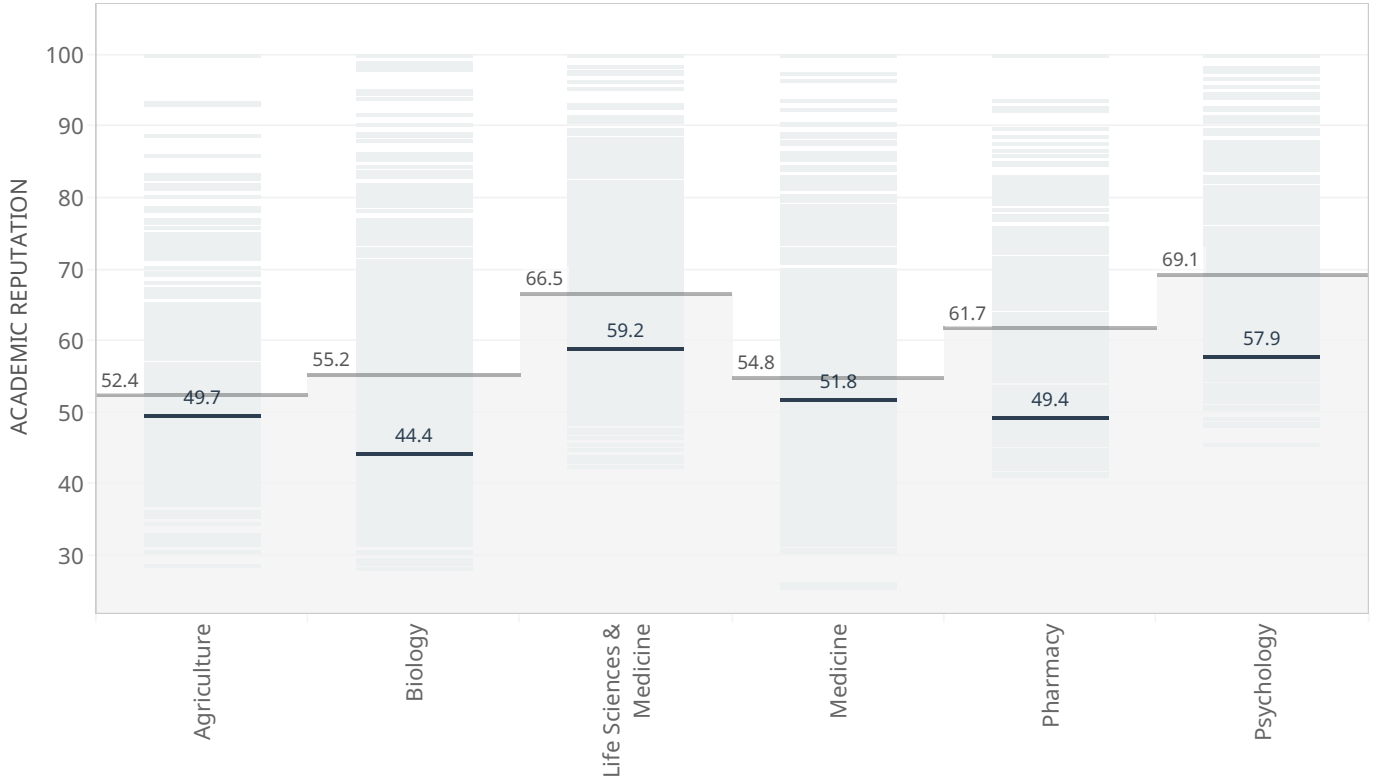
ACADEMIC REPUTATION SCORES

The charts below present the **Academic Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



LIFE SCIENCES & MEDICINE | SPECIFIC SUBJECTS



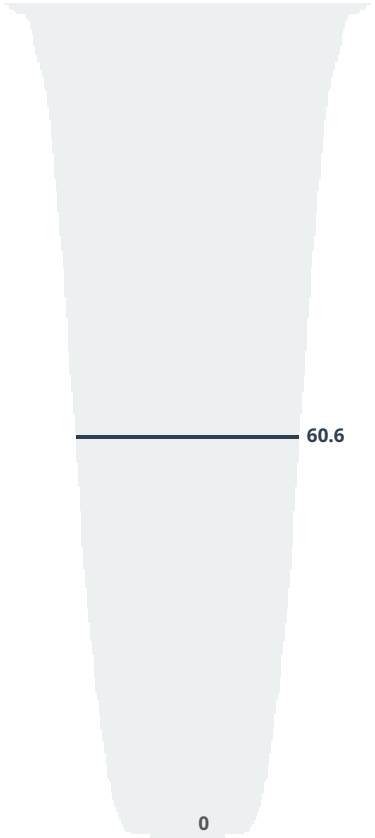
The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

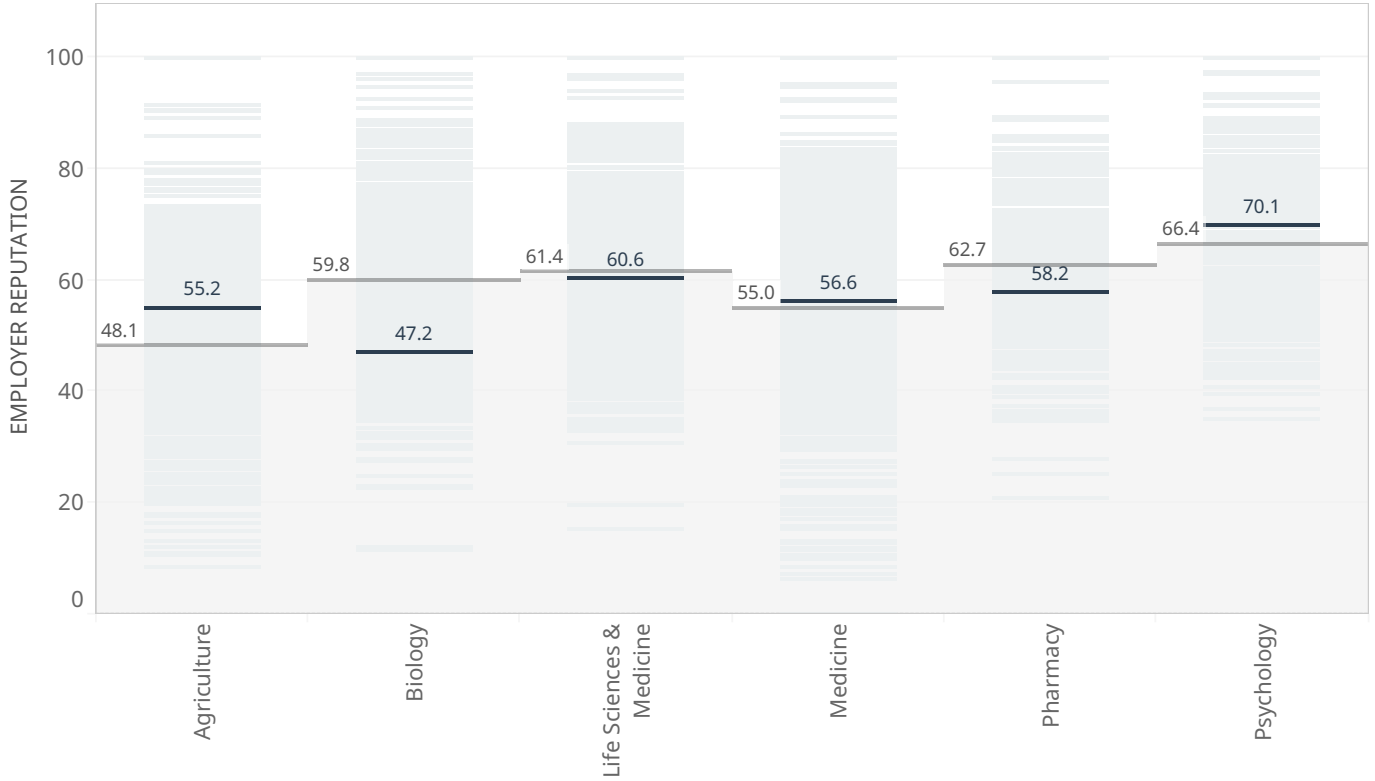
EMPLOYER REPUTATION SCORES

The charts below present the **Employer Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



LIFE SCIENCES & MEDICINE | SPECIFIC SUBJECTS

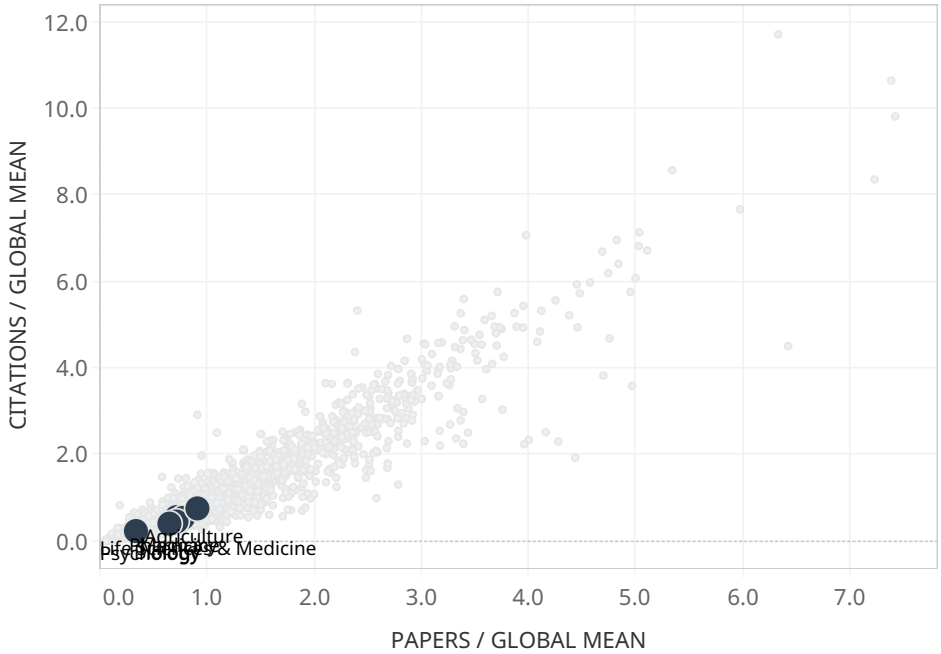


The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

LIFE SCIENCES & MEDICINE | PAPERS AND CITATIONS COUNTS - DIFFERENCE AGAINST GLOBAL MEAN BY SUBJECT

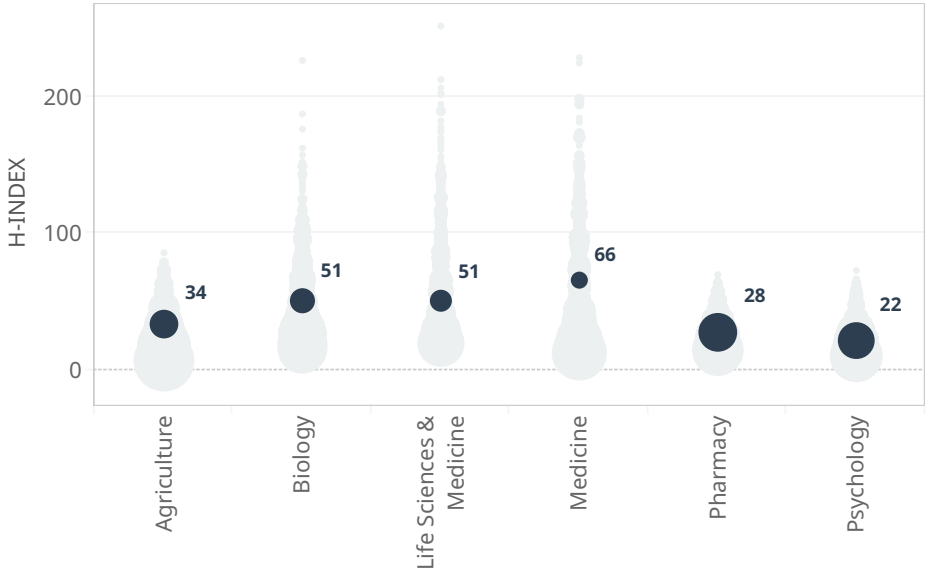
The chart below presents the relationship between **the institution's counts of papers and citations** and the respective global means by subject. A ratio of 1.0 represents a performance on a par with the global average.



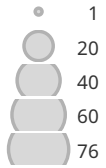
In 2020, Agriculture delivered the best relative results in terms of citations for Aristotle University of Thessaloniki, representing roughly 0.8 times the global average. On the other hand, the institution published 0.9 times the average number of papers indexed globally over the 2013-2017 period.

LIFE SCIENCES & MEDICINE | H-INDEX BY SUBJECT

The chart provides a view of the performance in the h-index, highlighting the **institution's index** against the global performance. The size of the bubble represents the total number of institutions recorded in each performance level.



In the 2020 edition of the rankings, Medicine was Aristotle University of Thessaloniki's subject with the highest h-index at 66. This means that 66 papers published by the institution from 2013-2017 attracted at least 66 citations in a six year period (2013-2018).



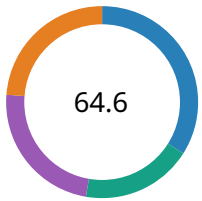
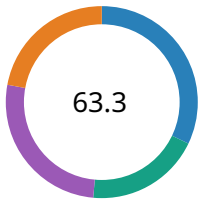
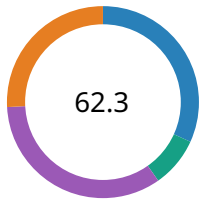
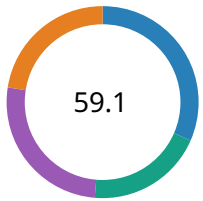
NATURAL SCIENCES

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

RANKINGS PERFORMANCE - **NATURAL SCIENCES** AND RELATED SUBJECTS

Natural Sciences	Chemistry	Environmental Sciences	Materials Science	Mathematics	Physics
324=	301-350	201-250	301-350	351-400	301-350

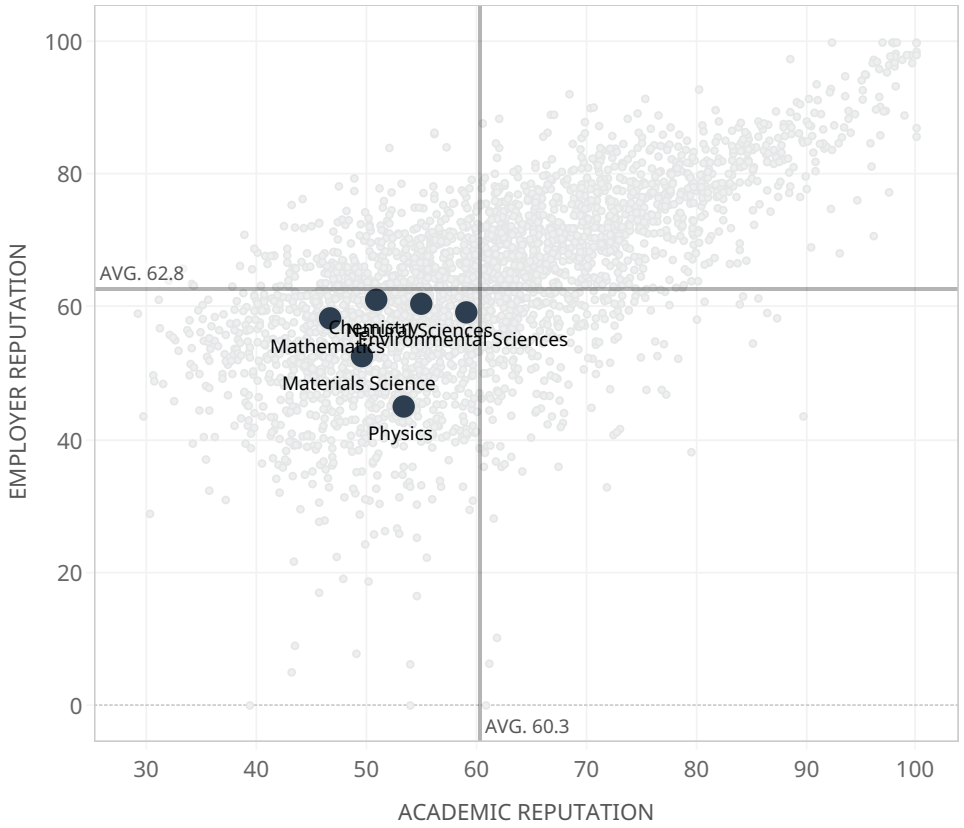
The circles represent the contribution of each indicator to the overall score, as displayed in the centre.
The bar charts provide the scores by indicator. The maximum achieabable in each of them is 100 points.

Natural Sciences	Chemistry	Environmental Sciences	Materials Science	Mathematics	Physics
					
64.6	63.3	71.1	62.3	59.1	61.2
54.9	50.8	59	49.5	46.6	53.3
60.6	61.2	59.3	52.7	58.4	45.1
76	83.8	87.1	84.6	77.3	77.3
76.8	69.9	79	64.3	66.6	77

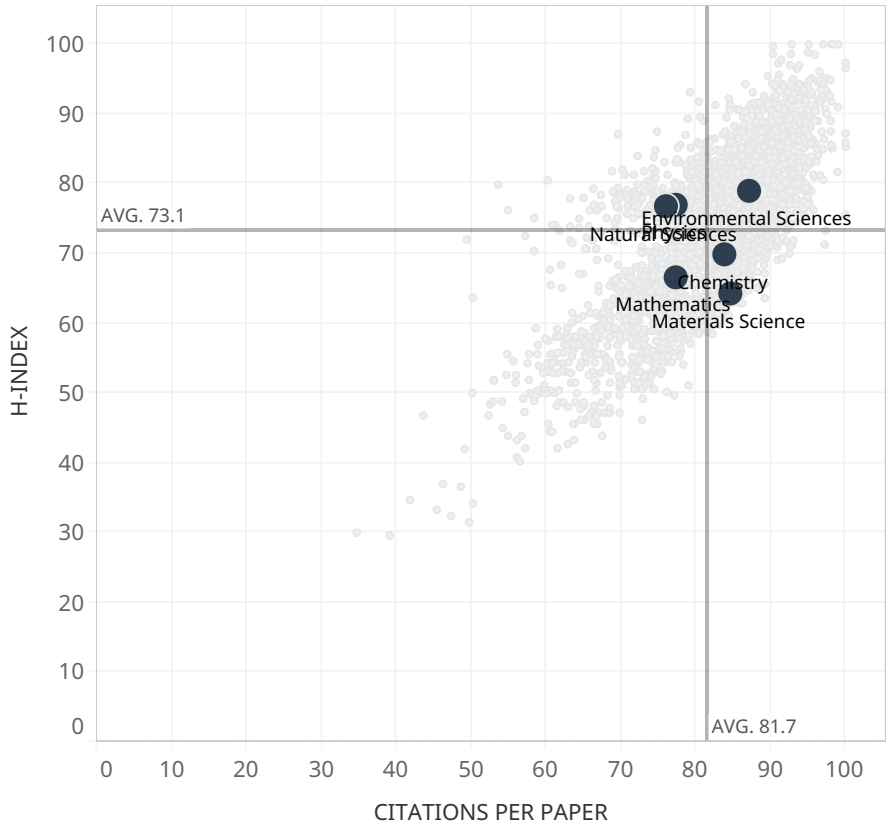
ARISTOTLE UNIVERSITY OF THESSALONIKI

The following charts provide a view of the reputational (left side) and research-related (right side) indicators used in the Rankings by Subject. The scatter plots combine two relevant variables, highlighting the institution's performance compared to institutions globally.

NATURAL SCIENCES | ACADEMIC & EMPLOYER REPUTATION SCORES



NATURAL SCIENCES | CITATIONS PER PAPER & H-INDEX SCORES



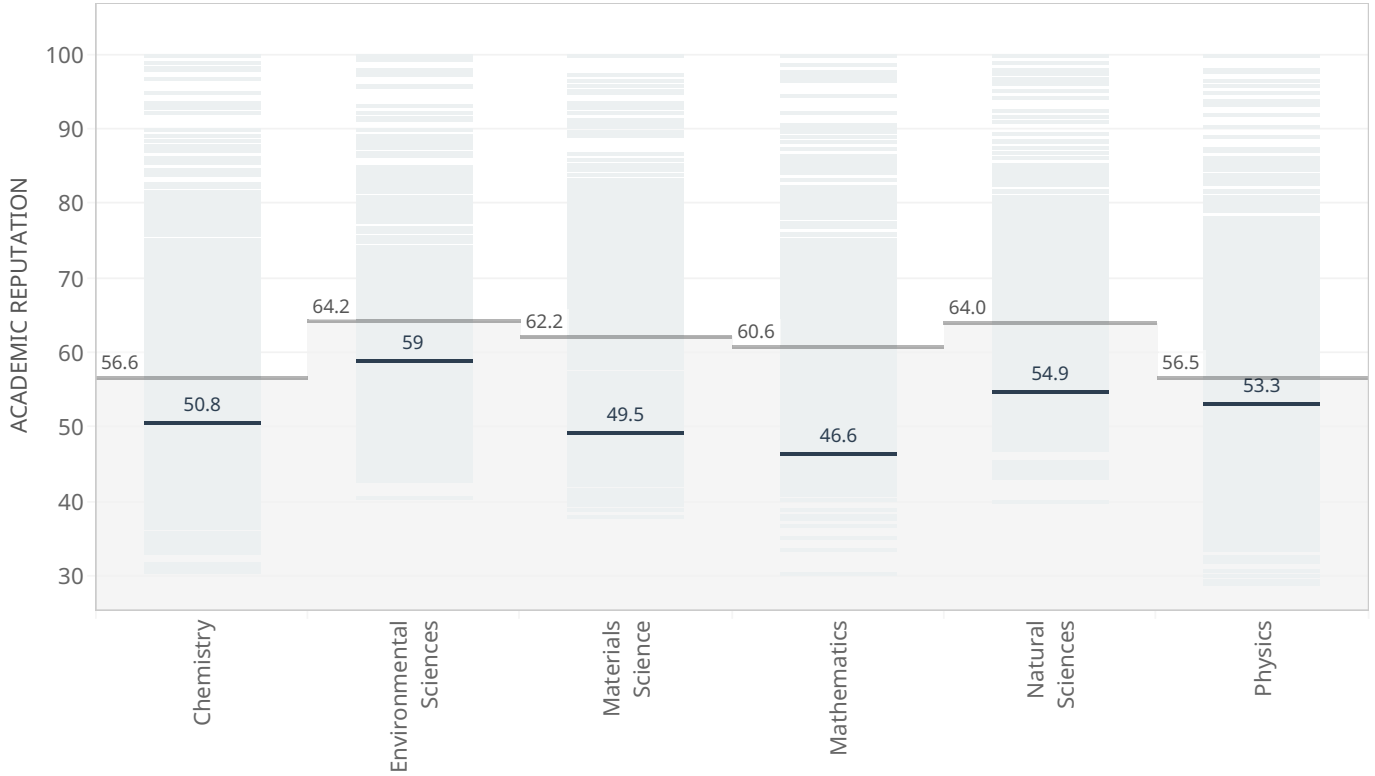
ARISTOTLE UNIVERSITY OF THESSALONIKI

ACADEMIC REPUTATION SCORES

The charts below present the **Academic Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA

NATURAL SCIENCES | SPECIFIC SUBJECTS



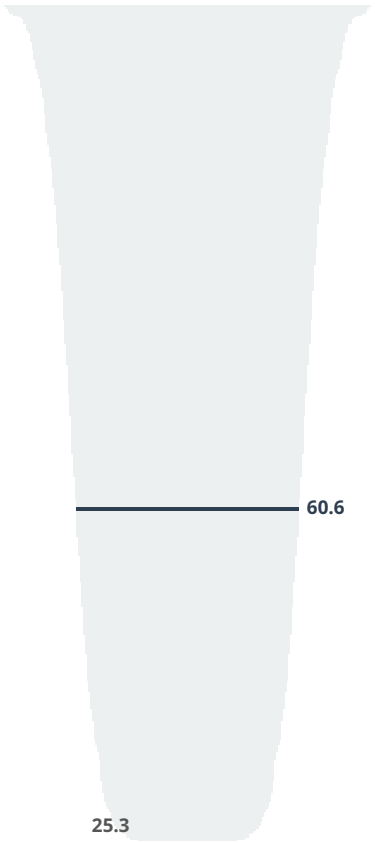
The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

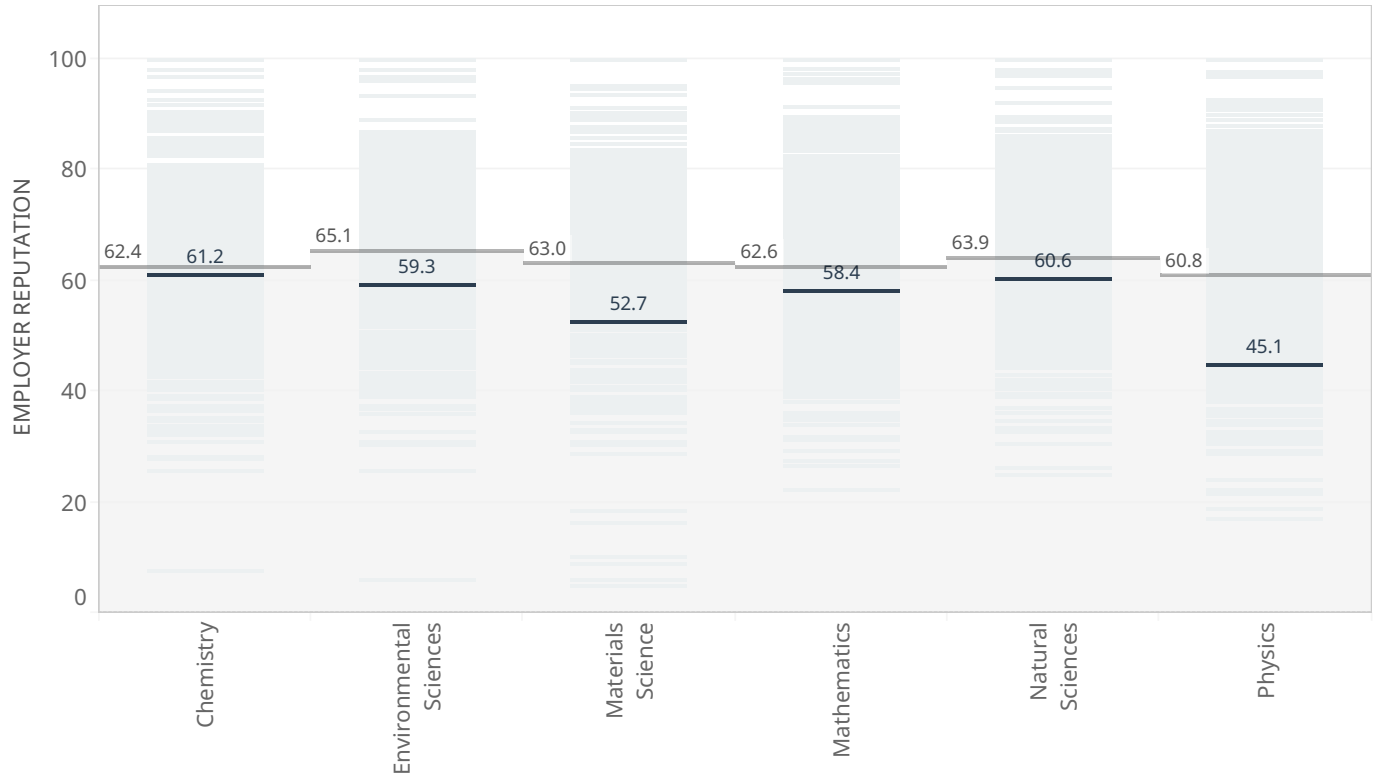
EMPLOYER REPUTATION SCORES

The charts below present the **Employer Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



NATURAL SCIENCES | SPECIFIC SUBJECTS

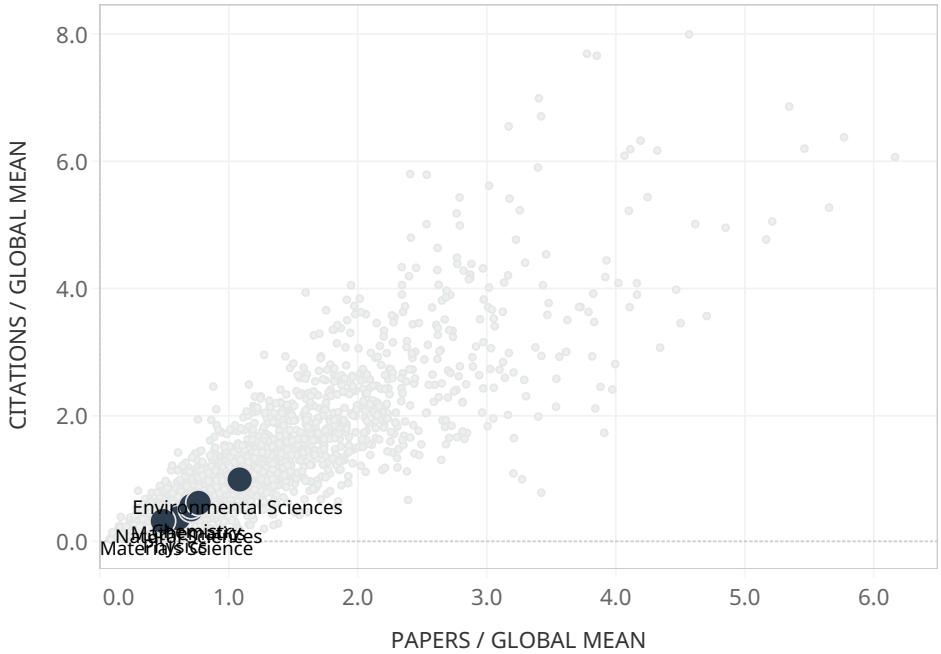


The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

NATURAL SCIENCES | PAPERS AND CITATIONS COUNTS - DIFFERENCE AGAINST GLOBAL MEAN BY SUBJECT

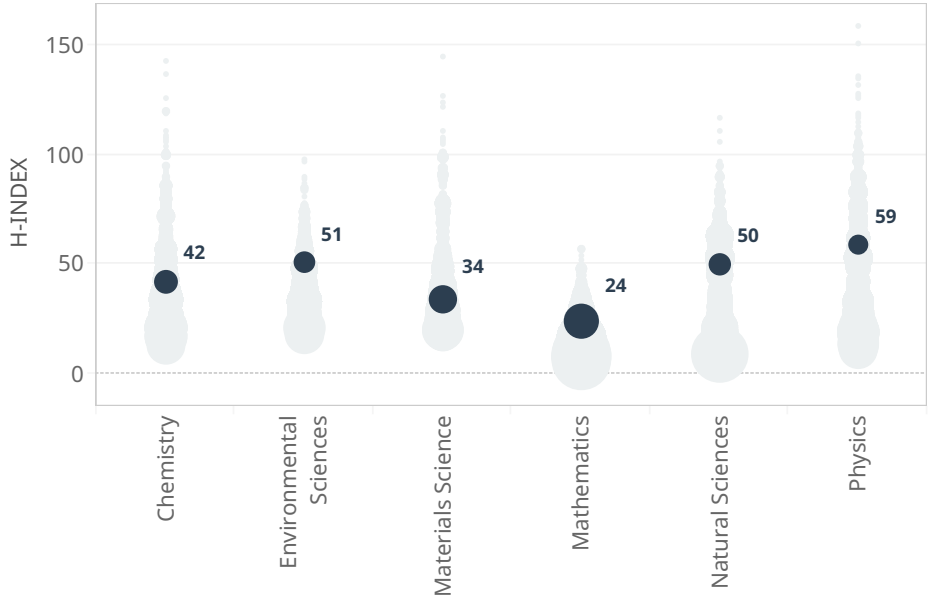
The chart below presents the relationship between **the institution's counts of papers and citations** and the respective global means by subject. A ratio of 1.0 represents a performance on a par with the global average.



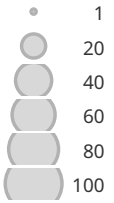
In 2020, Environmental Sciences delivered the best relative results in terms of citations for Aristotle University of Thessaloniki, representing roughly 1.0 times the global average. On the other hand, the institution published 1.1 times the average number of papers indexed globally over the 2013-2017 period.

NATURAL SCIENCES | H-INDEX BY SUBJECT

The chart provides a view of the performance in the h-index, highlighting the **institution's index** against the global performance. The size of the bubble represents the total number of institutions recorded in each performance level.



In the 2020 edition of the rankings, Physics was Aristotle University of Thessaloniki's subject with the highest h-index at 59. This means that 59 papers published by the institution from 2013-2017 attracted at least 59 citations in a six year period (2013-2018).



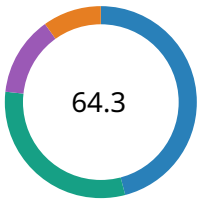
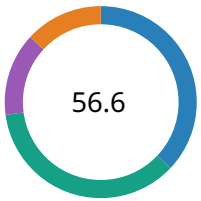
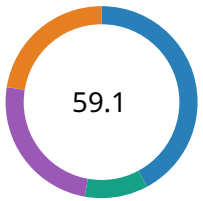
SOCIAL SCIENCES & MANAGEMENT

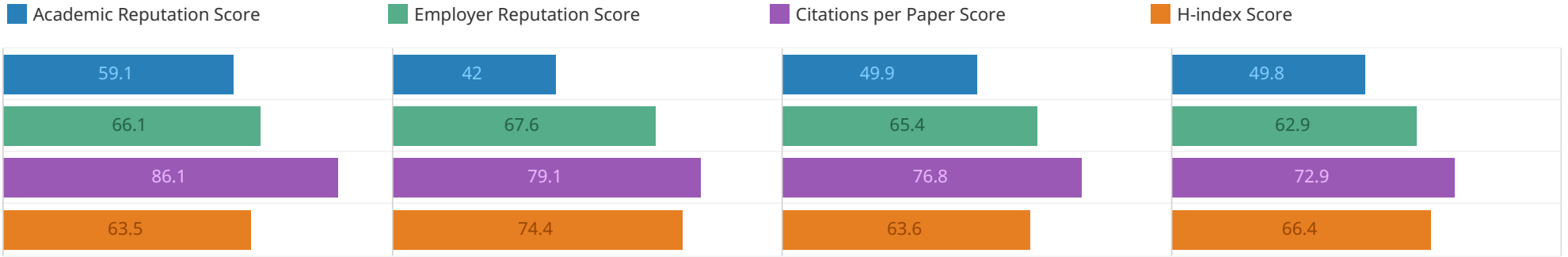
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

RANKINGS PERFORMANCE - **SOCIAL SCIENCES & MANAGEMENT** AND RELATED SUBJECTS

Social Sciences & Management	Business	Economics	Education
308=	301-350	251-300	251-300

The circles represent the contribution of each indicator to the overall score, as displayed in the centre.
The bar charts provide the scores by indicator. The maximum achieabable in each of them is 100 points.

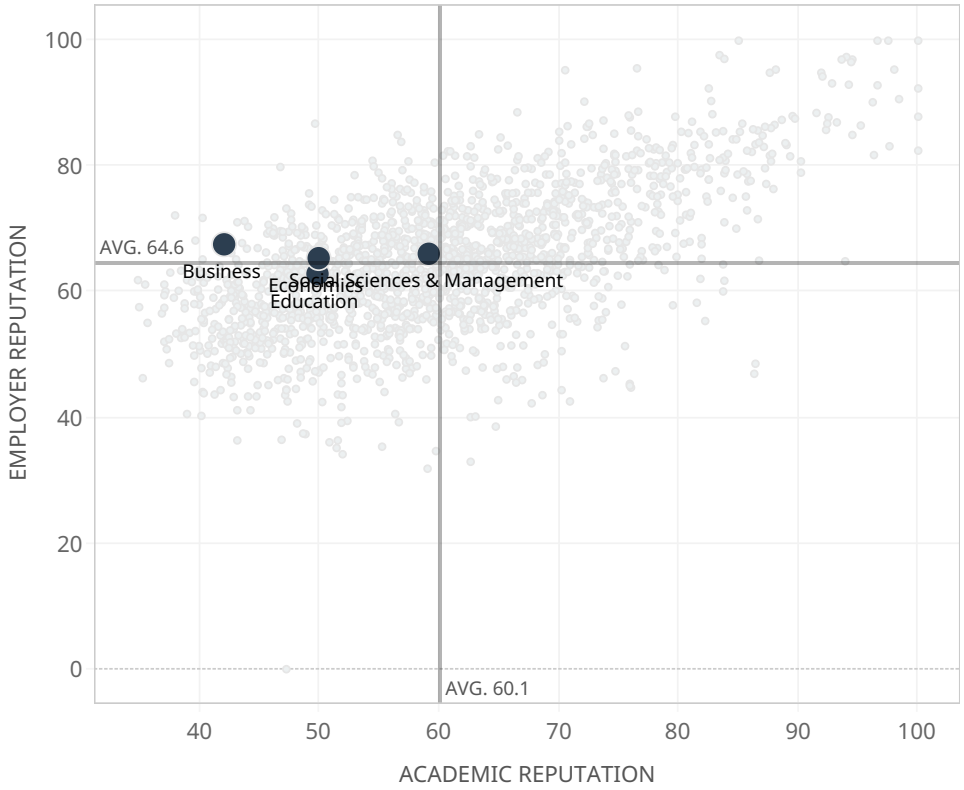
Social Sciences & Management	Business	Economics	Education
			



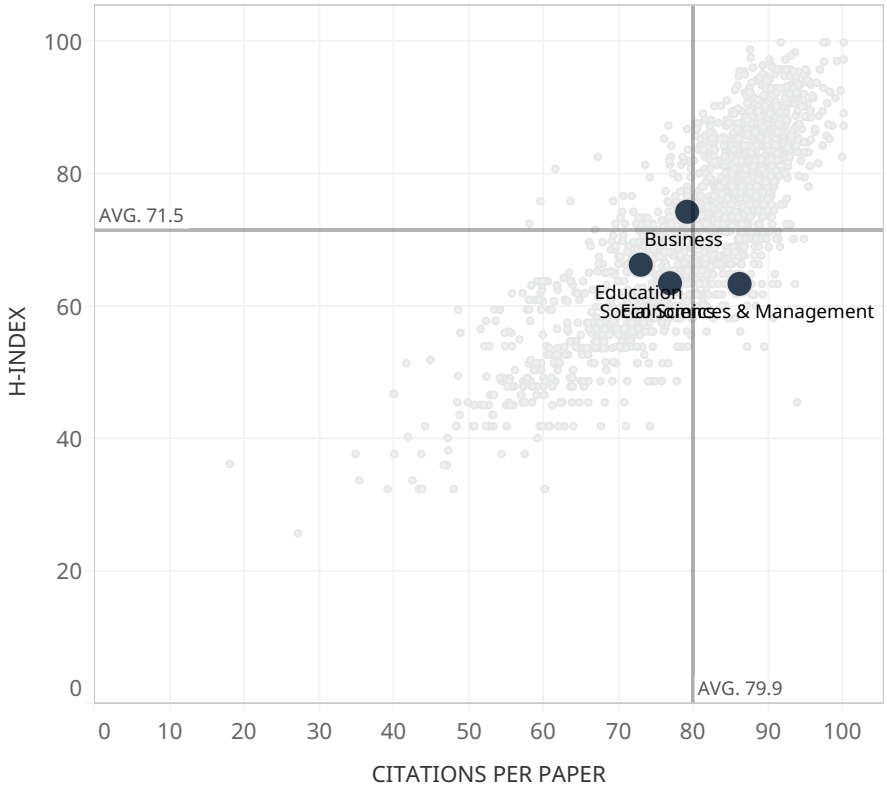
ARISTOTLE UNIVERSITY OF THESSALONIKI

The following charts provide a view of the reputational (left side) and research-related (right side) indicators used in the Rankings by Subject. The scatter plots combine two relevant variables, highlighting the institution's performance compared to institutions globally.

SOCIAL SCIENCES & MANAGEMENT | ACADEMIC & EMPLOYER REPUTATION SCORES



SOCIAL SCIENCES & MANAGEMENT | CITATIONS PER PAPER & H-INDEX SCORES



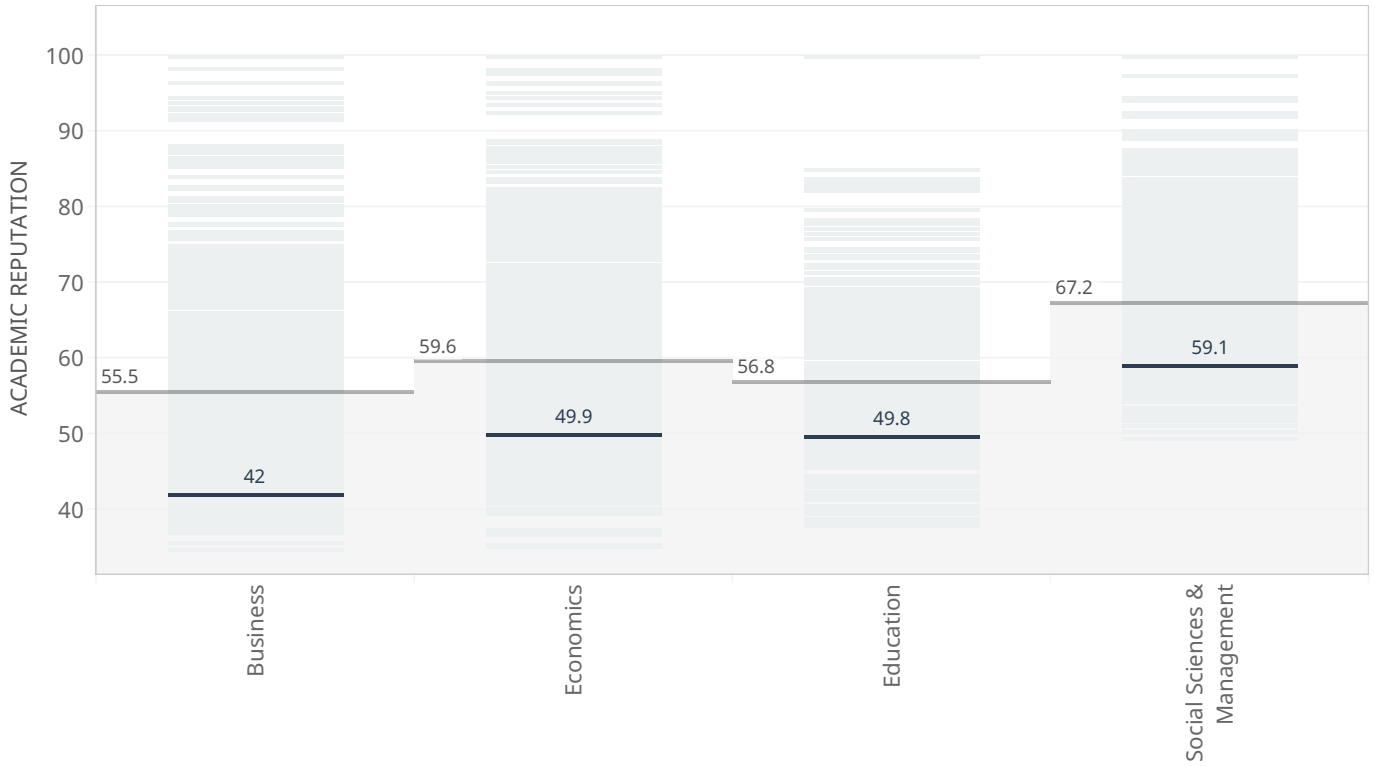
ARISTOTLE UNIVERSITY OF THESSALONIKI

ACADEMIC REPUTATION SCORES

The charts below present the **Academic Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA

SOCIAL SCIENCES & MANAGEMENT | SPECIFIC SUBJECTS



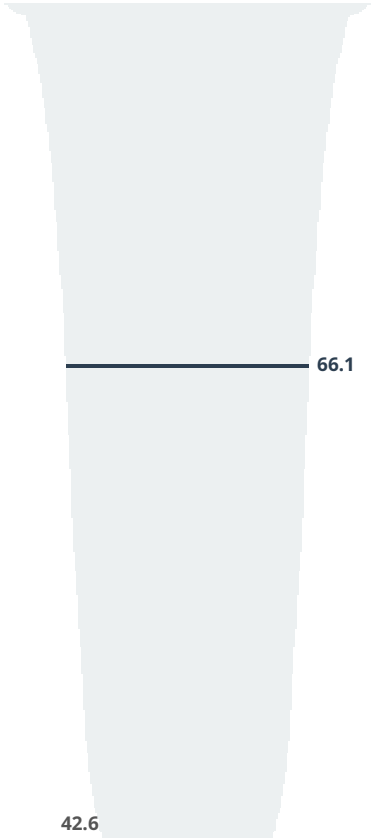
The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

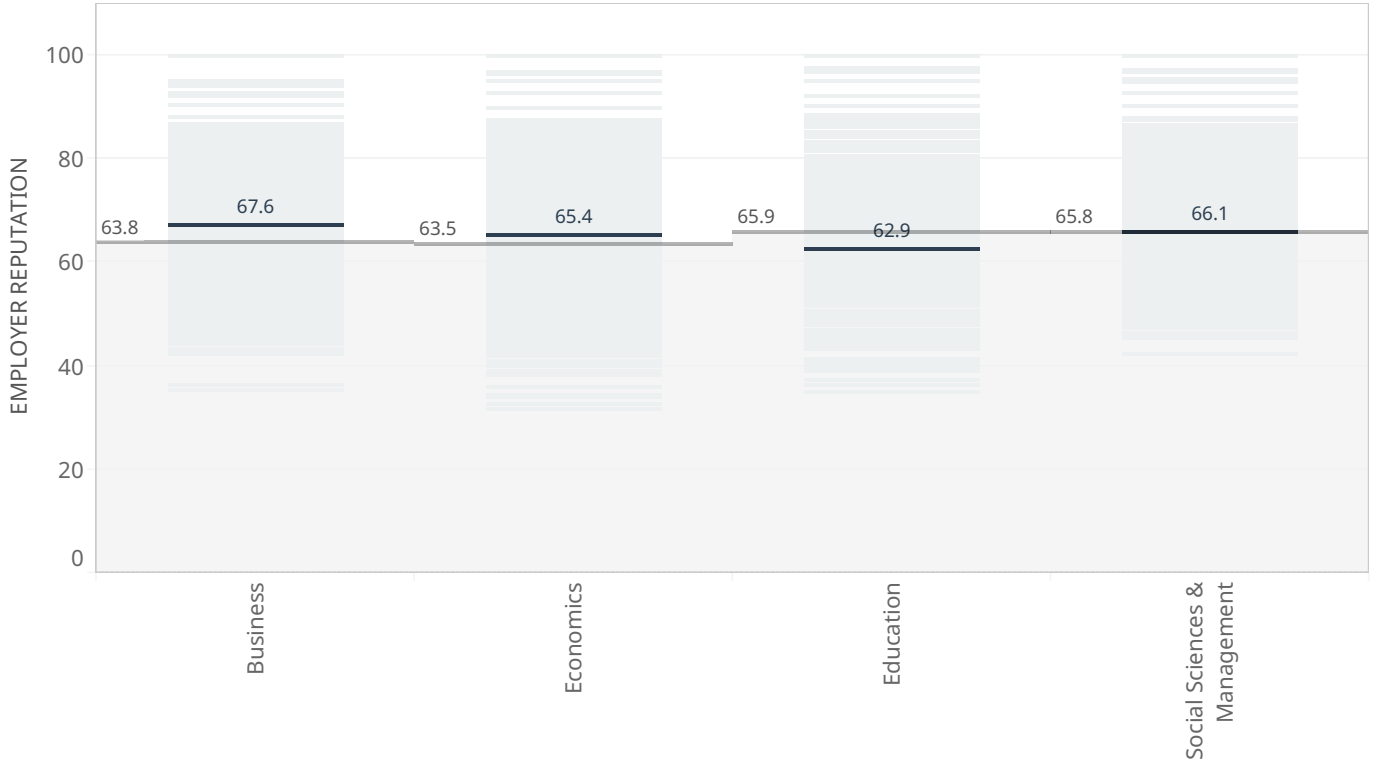
EMPLOYER REPUTATION SCORES

The charts below present the **Employer Reputation Scores** for the institutions featured in the rankings **Institution's results | global mean.**

BROAD SUBJECT AREA



SOCIAL SCIENCES & MANAGEMENT | SPECIFIC SUBJECTS

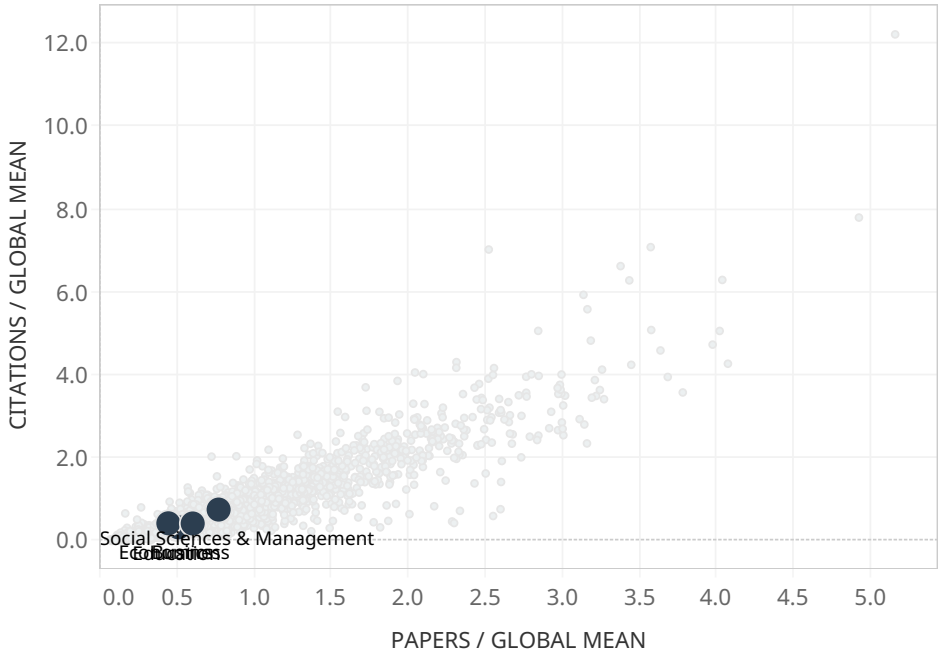


The shaded area represents the global mean for each subject.

ARISTOTLE UNIVERSITY OF THESSALONIKI

SOCIAL SCIENCES & MANAGEMENT | PAPERS AND CITATIONS COUNTS - DIFFERENCE AGAINST GLOBAL MEAN BY SUBJECT

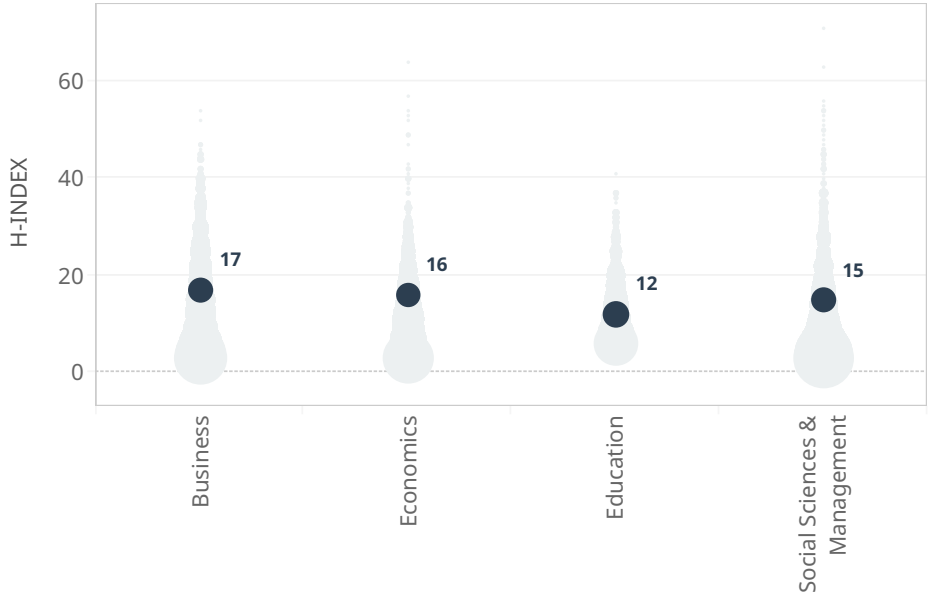
The chart below presents the relationship between **the institution's counts of papers and citations** and the respective global means by subject. A ratio of 1.0 represents a performance on a par with the global average.



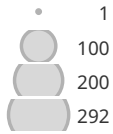
In 2020, Social Sciences & Management delivered the best relative results in terms of citations for Aristotle University of Thessaloniki, representing roughly 0.8 times the global average. On the other hand, the institution published 0.8 times the average number of papers indexed globally over the 2013-2017 period.

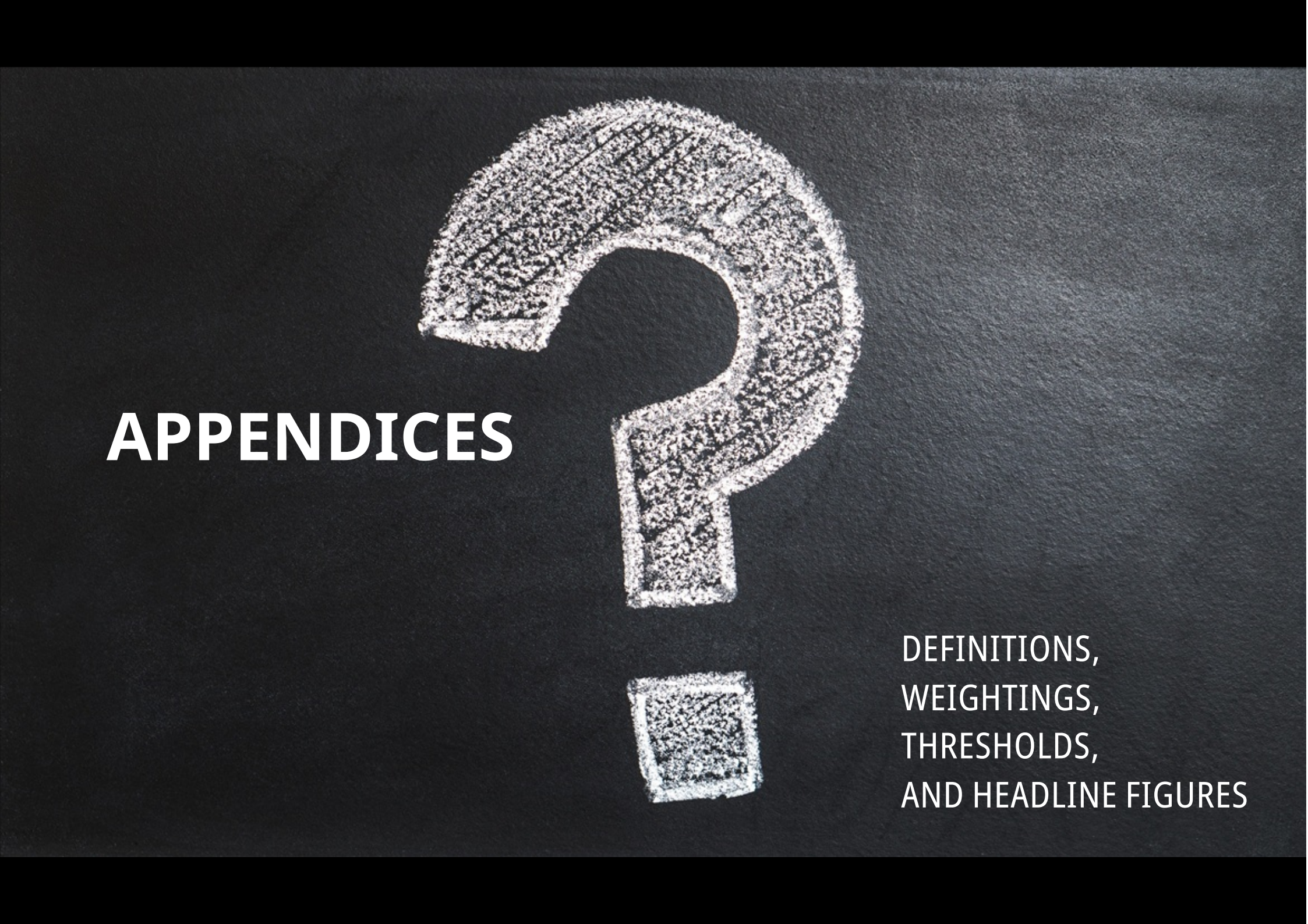
SOCIAL SCIENCES & MANAGEMENT | H-INDEX BY SUBJECT

The chart provides a view of the performance in the h-index, highlighting the **institution's index** against the global performance. The size of the bubble represents the total number of institutions recorded in each performance level.



In the 2020 edition of the rankings, Business was Aristotle University of Thessaloniki's subject with the highest h-index at 17. This means that 17 papers published by the institution from 2013-2017 attracted at least 17 citations in a six year period (2013-2018).





APPENDICES

DEFINITIONS,
WEIGHTINGS,
THRESHOLDS,
AND HEADLINE FIGURES

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 expertises.

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.

CITATION

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 minumum number of papers in the last five years are evaluated.

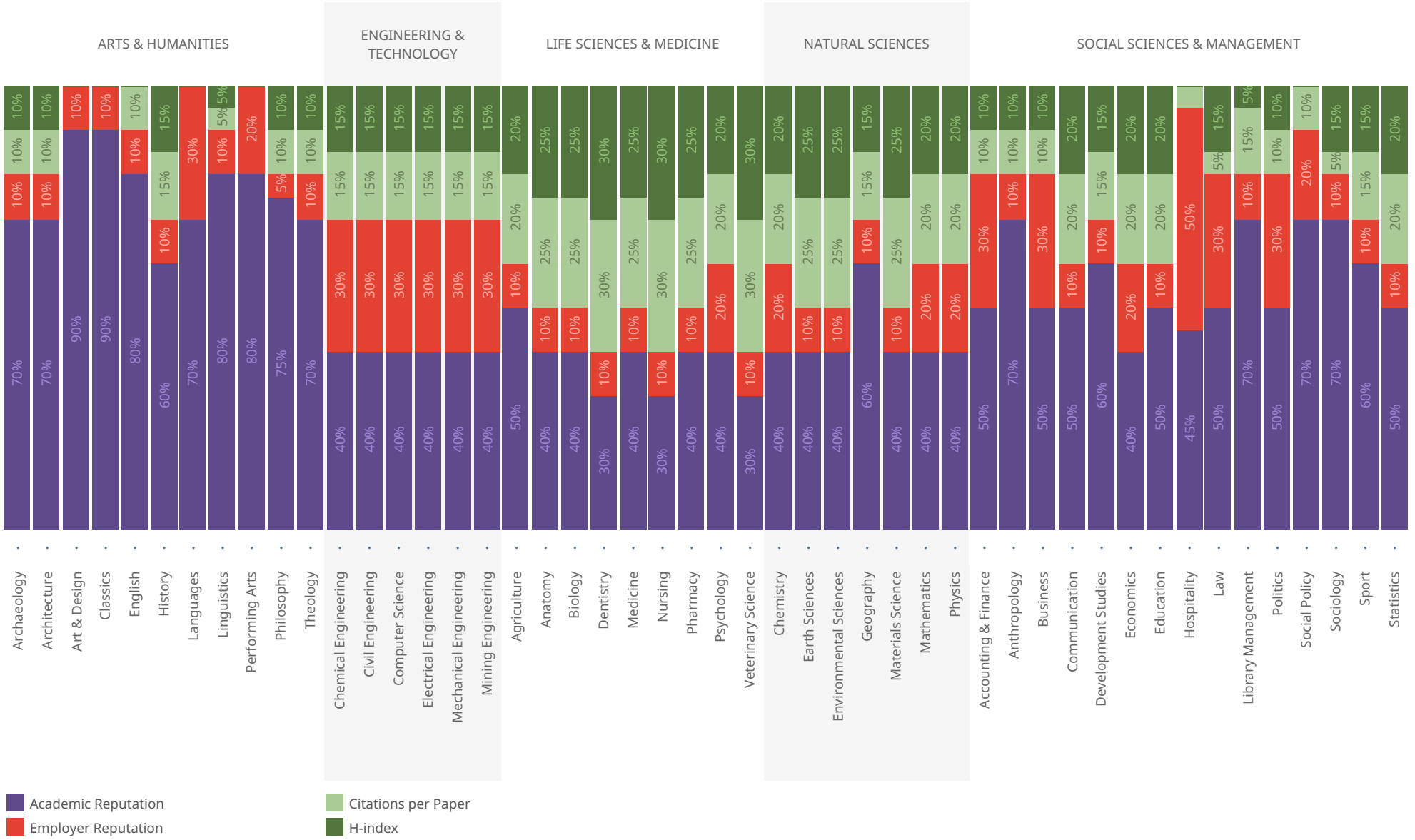
H-INDEX

The h-index is an index that attempts to measure both the productivity and impact of the work published by the insitutions' 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.

	ACADEMIC REPUTATION	EMPLOYER REPUTATION	CITATION	H-INDEX
Arts & Humanities	60%	20%	10%	10%
Engineering & Technology	40%	30%	15%	15%
Life Sciences & Medicine	40%	10%	25%	25%
Natural Sciences	40%	20%	20%	20%
Social Sciences & Management	50%	30%	10%	10%

2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

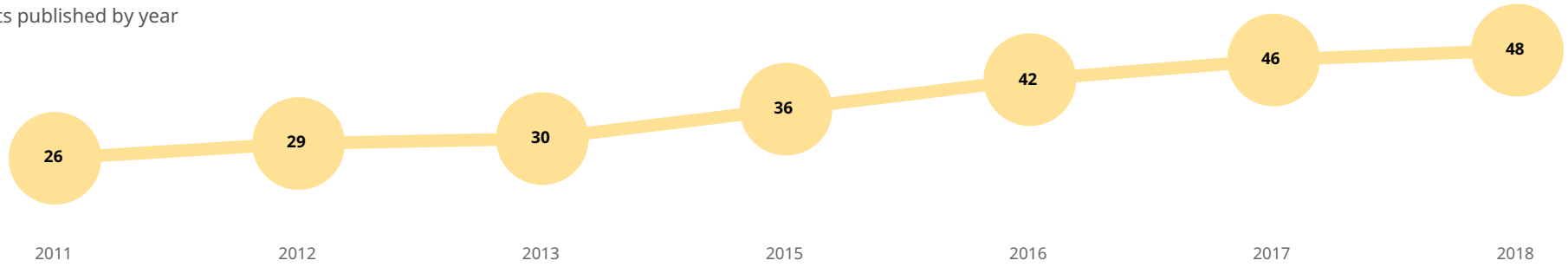
We use a variable approach to the weightings for the different subjects. The chart below provides details of the combinations used in the 2020 edition of the rankings.



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.

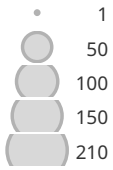
Subjects published by year



2011	2012	2013	2015	2016	2017	2018
Accounting & Finance	Communication	Agriculture	Architecture	Anthropology	Anatomy	Classics
Biology	Education		Art & Design	Archaeology	Hospitality	Library Management
Chemical Engineering	Pharmacy		Business	Mining Engineering	Sport	
Chemistry			Dentistry	Nursing	Theology	
Civil Engineering			Development Studies	Performing Arts		
Computer Science			Veterinary Science	Social Policy		
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						

PUBLISHED INSTITUTIONS BY LOCATION

Number of Institutions Published



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

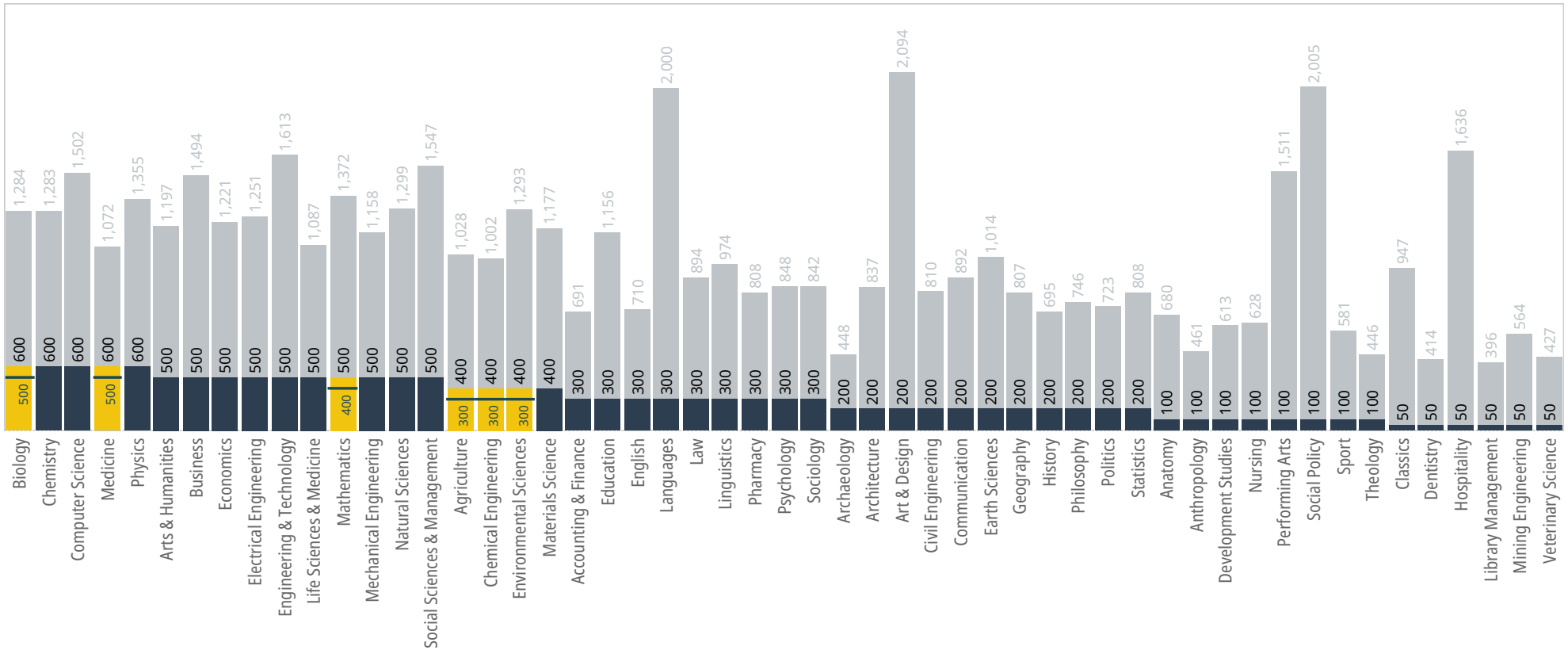
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

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

Subjects	Locations	Institutions
48	158	1,369

INSTITUTIONS CONSIDERED AND **PUBLISHED** BY SUBJECT - YEAR 2020

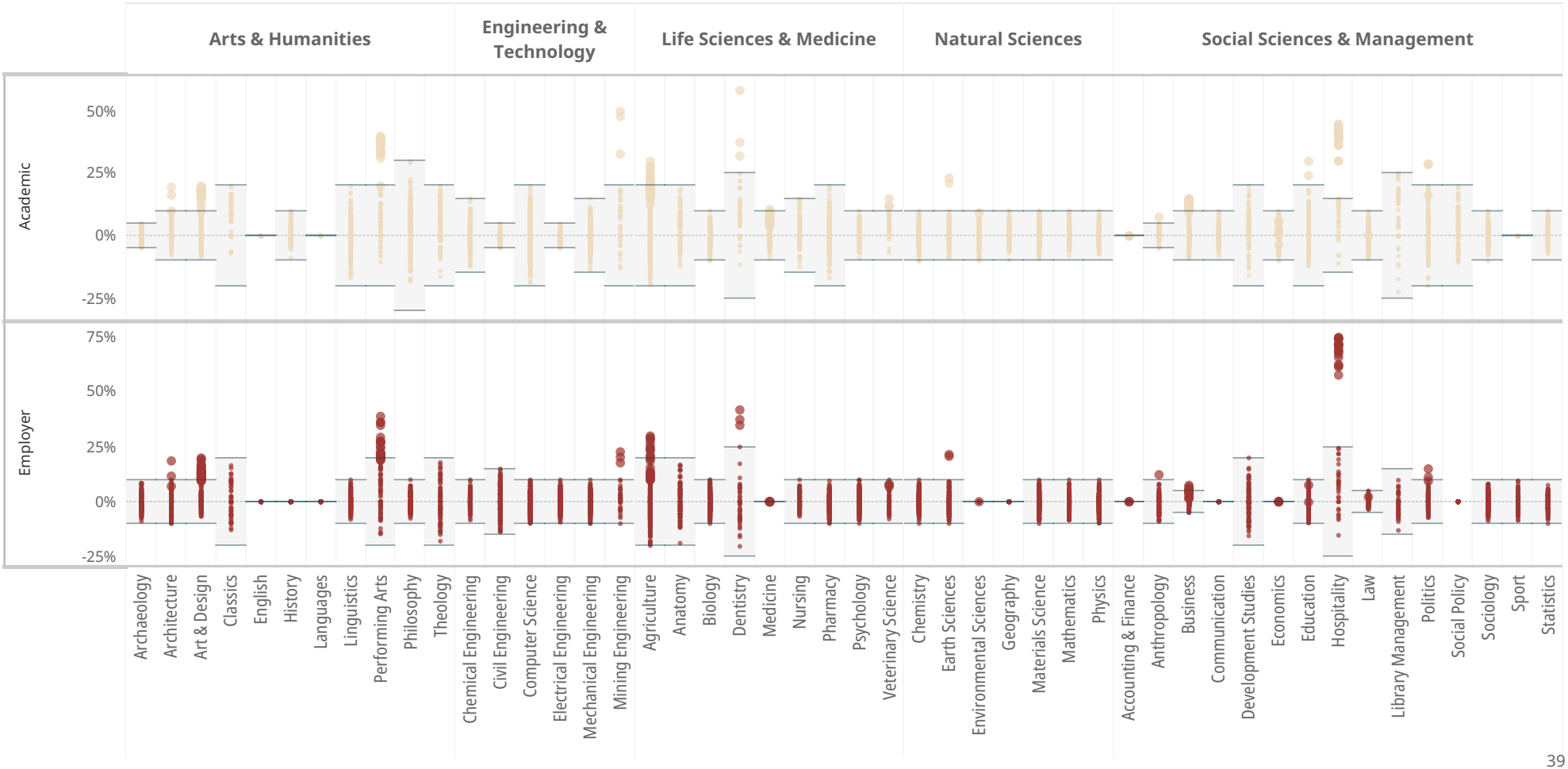
Subjects with highlight color have extended publishing ranges.



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



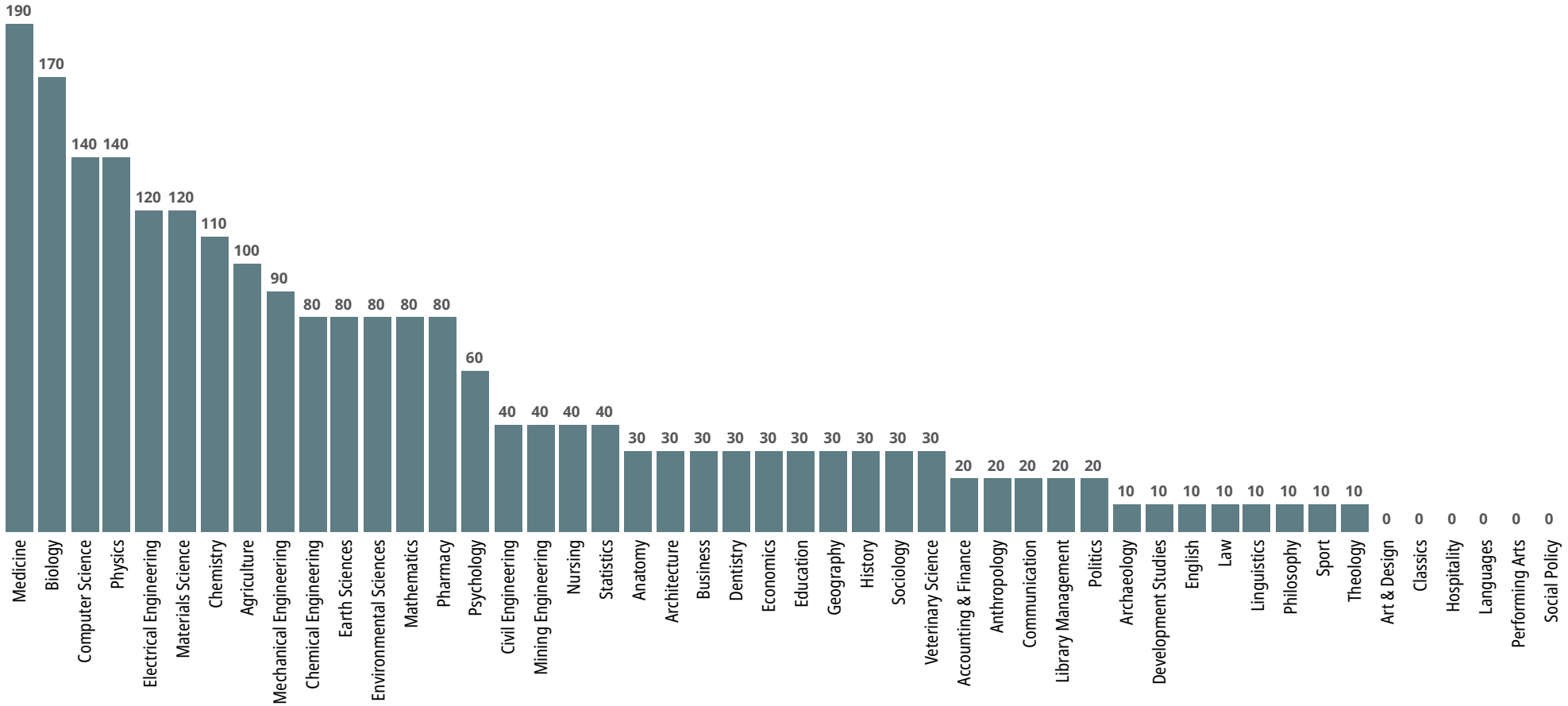
2020 QS WORLD UNIVERSITY RANKINGS BY SUBJECT

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



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QS WORLD UNIVERSITY RANKINGS

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