U.Porto no QS World University Rankings by Subject 2015

http://www.topuniversities.com/subject-rankings/2015

Metodologia

"The QS World University Rankings by Subject ranks the world's top universities in individual subject areas, covering 36 subjects as of 2015. The rankings are aimed at prospective students seeking to identify the world's leading schools in their chosen field of study.

Three extensive datasets are used in order to rank universities' performance in specific academic disciplines. These are QS's major global surveys of academics and employers, and research citations data from Scopus.

These three components, reflecting academic reputation, employer reputation and research impact, are combined to produce the results in each subject, with weightings adapted by discipline.

1. Academic reputation

QS's global survey of academics has been at the heart of the QS World University Rankings® since their inception in 2004. In 2015, the QS World University Rankings by Subject drew on responses from 85,062 academics worldwide.

Having provided their name, contact details, job title and the institution where they are based, respondents identify the countries, regions and faculty areas they have most familiarity with, and up to two narrower subject disciplines in which they consider themselves expert. For each of the (up to five) faculty areas they identify, respondents are asked to list up to 10 domestic and 30 international institutions which they consider excellent for research in the given area. They are not able to select their own institution.

For the QS World University Rankings by Subject, the results of the survey are filtered according to the narrow area of expertise identified by respondents. While academics can select up to two narrow areas of expertise, greater emphasis is placed on respondents who have identified with only one.

2. Employer reputation

The QS World University Rankings are unique in incorporating employability as a key factor in the evaluation of international universities. In 2015, the QS World University Rankings by Subject drew on 41,910 survey responses from graduate employers worldwide.

The employer reputation survey works on a similar basis to the academic one, only without the channelling for different faculty areas. Employers are asked to identify up to 10 domestic and 30 international institutions they consider excellent for the recruitment of graduates. They are also asked to identify from which disciplines they prefer to recruit. After examining where these two questions intersect, we can infer a measure of excellence in a given discipline.

3. Research citations per paper

Due to the impracticality of reliably gathering faculty numbers broken down by discipline, for the purposes of the QS World University Rankings by Subject we measure citations per paper rather than per faculty member. A minimum publication threshold has been set for each subject to avoid potential anomalies stemming from small numbers of highly cited papers. Both the minimum publications threshold and the weighting applied to the citations indicator are adapted in order to best reflect prevalent publication and citation patterns in a given discipline.

All citations data is sourced from Scopus, the world's most comprehensive research citations database. Since 2013, a score based on 'h-index' has also been incorporated in the QS World University Rankings by Subject. The h-index is a way of measuring both the productivity and impact of the published work of a scientist or scholar. The index is based on the set of the scientist's most cited papers and the number of citations that s/he has received in other publications.

The h-index can also be applied to the productivity and impact of a group of scientists, such as a department or university or country, as well as a scholarly journal. The index was suggested by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality, and is sometimes called the Hirsch index or Hirsch number."[1]

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[1] http://www.topuniversities.com/university-rankings-articles/university-subject-rankings/qs-world-university-rankings-subject-2014-methodology acedido 29 abril de 2015

A U.Porto no QS World University Rankings by Subject: evolução

	2015 Score*	2015 Rank World	2015 Rank Europe	2015 Rank Iberame	2014 Score *	2014 Rank	2013 Rank
ARTS & HUMANITIES							
Architecture / Built environment	53,8	--			--	--	--
Art & Design	56,2	--			--	--	--
English Language & Literature	--	--			--	--	--
History	40,9	--			--	--	--
Linguistics	47,1	--			--	--	--
Modern Languages	61,7	201-250	89-115	20-23	38,0	>200	--
Philosophy	32,6	--			--	--	--
ENGINEERING & TECHNOLOGY							
Computer Science & Information Systems	60,6	201-250	71-95	13-16	56,6	>200	--
Engineering - Chemical	66,0	101-150	26-41	3-6	57,3	101-150	101-150
Engineering - Civil & Structural	72.8	51-100	16-30	3-5	56,1	101-150	101-150
Engineering - Electrical & Electronic	66,0	151-200	48-64	6-9	62,3	151-200	--
Engineering - Mechanical, Aeronautical & Manufacturing	61,3	201-300	62-100	7-15	59,3	>200	--
LIFE SCIENCES & MEDICINE							
Agriculture & Forestry	60,5	101-150	29-47	10-25	46,9	151-200	151-200
Biological Sciences	52,1	301-400	127-160	15-21	49,6	>200	--
Dentistry	42,2				--	--	--
Medicine	55,2	301-400	141-176	17-29	51,4	>200	--
Pharmacy & Pharmacology	58,3	151-200	64-86	13-15	59,1	151-200	151-200
Psychology	52,9	--			43,6	>200	--
Veterinary Science	63,1	--					--
NATURAL SCIENCES							
Chemistry	64,8	251-300	105-124	13-19	55,3	>200	--
Earth & Marine Sciences	61,1	--			59,7	151-200	151-200
Environmental Sciences	73,2	151-200	50-71	7-12	55,0	>200	--
Geography	56,2	--			45,2	>200	--
Materials Science	56,4	--			53,4	>200	--
Mathematics	61,1	251-300	108-133	15-18	52,9	>200	--
Physics & Astronomy	51,3	--			51,9	>200	--
SOCIAL SCIENCES & MANAGEMENT							
Accounting & Finance	51,0	--			--	--	--
Business & Management Studies	57,4	--			--	--	--
Communication & Media Studies	30,6	--			32,4	>200	
Development Studies	47,5	--			--	--	--
Economics & Econometrics	54,1	--			43,0	>200	--
Education	59,2	--			47,4	>200	--
Law	53,0	--			49,8	151-200	151-200
Politics & International Studies	--	--			--	--	--
Sociology	47,6	--			--	--	--
Statistics & Operational Research	--	--			--	--	--

* Fontes: QS WUR by Subject FACT FILE [University of Porto] 2014 e 2015

Universidades portuguesas no QS World University Rankings by Subject 2015

I. ARTS & HUMANITIES

Architecture / Built environment (top 100)

Não é mencionada nenhuma universidade portuguesa

Art & Design (top 100)

Não é mencionada nenhuma universidade portuguesa

English Language & Literature (top 300)

251-300 University of Lisbon

History (top 200)

151-200 University of Coimbra

Linguistics (top 200)

Não é mencionada nenhuma universidade portuguesa

Modern Languages (top 300)

101-150 University of Lisbon
201-250 University of Porto
251-300 University of Coimbra

Philosophy (top 200)

Não é mencionada nenhuma universidade portuguesa

II. ENGINEERING & TECHNOLOGY

Computer Science & Information Systems (top 400)

201-250 University of Porto

Engineering – Chemical (top 200)

101-150 University of Porto
151-200 Universidade Nova de Lisboa

Engineering - Civil & Structural (top 200)

51-100 University of Porto
101-150 University of Coimbra
101-150 University of Minho

Engineering - Electrical & Electronic (top 300)

151-200 University of Porto

Engineering - Mechanical, Aeronautical & Manufacturing (top 300)

201-300 University of Porto

III. LIFE SCIENCES & MEDICINE

Agriculture & Forestry (top 200)

101-150 University of Porto

Biological Sciences (top 400)

301-400 University of Coimbra
301-400 University of Porto

Dentistry (top 50)

Não é mencionada nenhuma universidade portuguesa

Medicine (top 400)

301-400 Universidade Nova de Lisboa
301-400 University of Coimbra
301-400 University of Lisbon
301-400 University of Porto

Pharmacy & Pharmacology (top 200)

151-200 University of Porto

Psychology (top 200)

Não é mencionada nenhuma universidade portuguesa

Veterinary Science (top 50)

Não é mencionada nenhuma universidade portuguesa

IV. NATURAL SCIENCES

Chemistry (top 400)

201-250 Universidade Nova de Lisboa
251-300 University of Coimbra
251-300 University of Porto

Earth & Marine Sciences (top 200)

Não é mencionada nenhuma universidade portuguesa

Environmental Sciences (top 300)

151-200 University of Coimbra
151-200 University of Porto
251-300 Universidade Nova de Lisboa

Geography & Area Studies (top 200)

101-150 University of Coimbra
101-150 University of Lisbon

Materials Science (top 200)

Não é mencionada nenhuma universidade portuguesa

Mathematics (top 400)

201-250 University of Lisbon
251-300 University of Porto
301-400 University of Coimbra

Physics & Astronomy (top 400)

301-400 University of Lisbon

V. SOCIAL SCIENCES & MANAGEMENT

Accounting & Finance (top 200)

> 151-200 Universidade Nova de Lisboa

Business & Management Studies (top 200)

> Não é mencionada nenhuma universidade portuguesa

Communication & Media Studies (top 200)

> Não é mencionada nenhuma universidade portuguesa

Development Studies (top 100)

> Não é mencionada nenhuma universidade portuguesa

Economics & Econometrics (top 200)

> Não é mencionada nenhuma universidade portuguesa

Education (top 200)

> Não é mencionada nenhuma universidade portuguesa

Law (top 200)

> 151-200 University of Coimbra

Politics & International Studies (top 200)

> Não é mencionada nenhuma universidade portuguesa

Sociology (top 200)

> Não é mencionada nenhuma universidade portuguesa

Statistics & Operational Research (top 200)

> 151-200 University of Lisbon

Peso dos indicadores por Subject, em 2015 [2]

		Top	Academic reputation %	Employers reputation %	Citations per paper %	h-index %
ARTS & HUMANITIES						
	Architecture / Built environment	100	70	10	10	10
	Art & Design	100	90	10		
	English Language & Literature	300	80	10	10	
	History	200	60	10	15	15
	Linguistics	200	70	30		
	Modern Languages	300	80	10	5	5
	Philosophy	200	70	5	10	10
ENGINEERING & TECHNOLOGY						
	Computer Science & Information Systems	400	40	30	15	15
	Engineering - Chemical	200	40	30	15	15
	Engineering - Civil & Structural	200	40	30	15	15
	Engineering - Electrical & Electronic	300	40	30	15	15
	Engineering - Mechanical, Aeronautical & Manufacturing	300	40	30	15	15

		Top	Academic reputation %	Employers reputation %	Citations per paper %	h-index %
LIFE SCIENCES & MEDICINE						
	Agriculture & Forestry	200	50	10	20	20
	Biological Sciences	400	40	10	25	25
	Dentistry	50	30	10	30	30
	Medicine	400	40	10	25	25
	Pharmacy & Pharmacology	200	40	10	25	25
	Psychology	200	40	20	20	20
	Veterinary Science	50	30	10	30	30
NATURAL SCIENCES						
	Chemistry	400	40	20	20	20
	Earth & Marine Sciences	200	40	10	25	25
	Environmental Sciences	300	40	10	25	25
	Geography & Area Studies	200	60	10	15	15
	Materials Science	200	40	10	25	25
	Mathematics	400	40	20	20	20
	Physics & Astronomy	400	40	20	20	20
SOCIAL SCIENCES & MANAGEMENT						
	Accounting & Finance	200	50	30	10	10
	Business & Management Studies	200	50	30	10	10
	Communication & Media Studies	200	50	10	20	20
	Development Studies	100	60	10	15	15
	Economics & Econometrics	200	40	20	20	20
	Education	200	50	10	20	20
	Law	200	50	30	5	5
	Politics & International Studies	200	50	30	10	10
	Sociology	200	70	10	5	15
	Statistics & Operational Research	200	50	10	20	20