

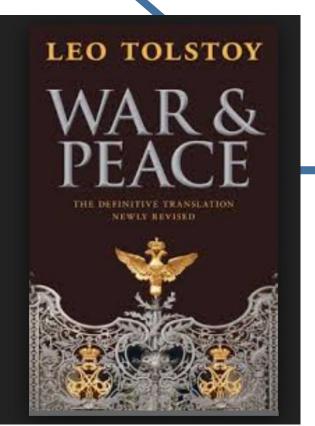




Professor Dr. Peter WS CHANG, MD, MPH, ScD (Harvard), FRCP (London) Secretary General, Asian Health Literacy Association EU FP7 Diabetes Literacy - Self Management and Education Fellow scientist, National Health Research Institute, TW

# The Var and Reace

# Top World Universities



Functions of a university:

The priority: Students

**GLOBAL** 

# Worldwide student numbers forecast to double by 2025

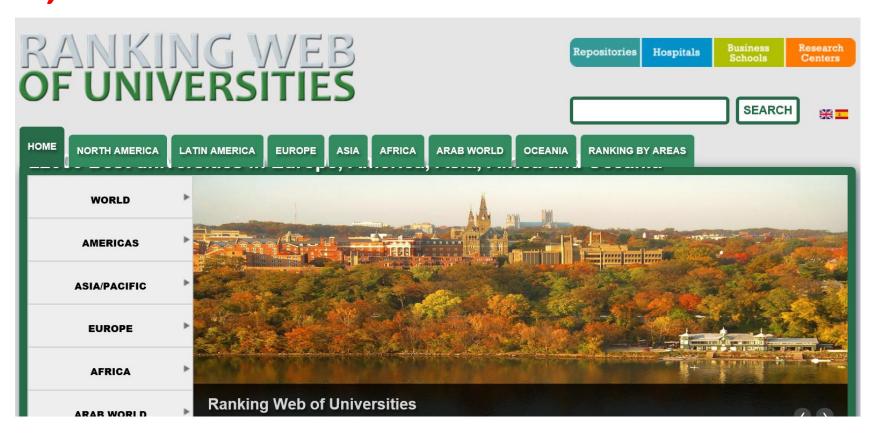
Geoff Maslen 19 February 2012 Issue No:209

The number of students around the globe enrolled in higher education is forecast to more than double to 262 million by 2025. Nearly all of this growth will be in the developing world, with more than half in China and India alone. The number of students seeking study abroad could rise to eight million – nearly three times more than today.

"Average annual growth in demand for international higher education between 2005 and 2025 is expected to exceed 3% in Africa, the Middle East, Asia, Central America and South America," Goddard writes.

## How many Universities in the world?

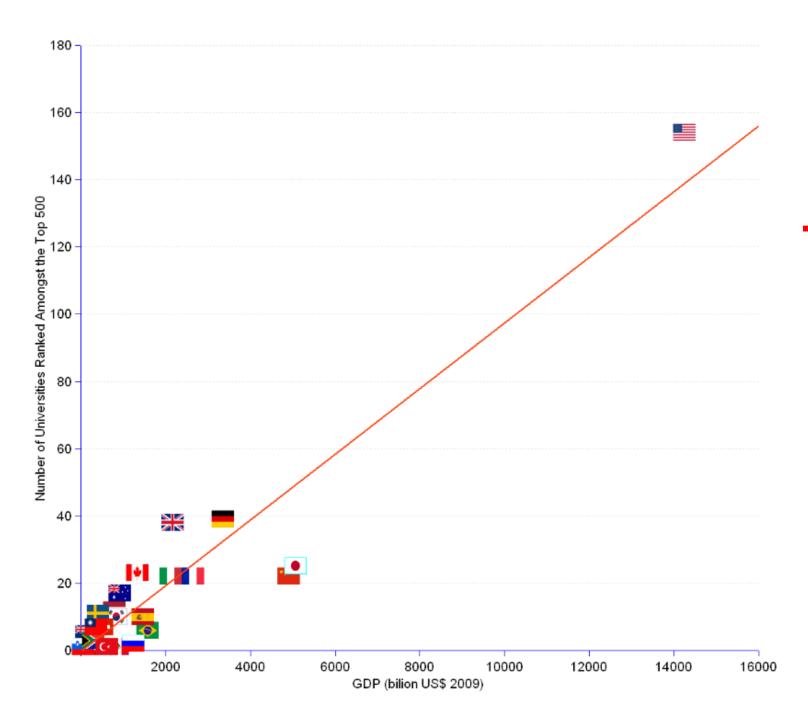
• Per the Webometrics website, and as of January 2014, there are 22,123 universities in the world.



### List of largest universities by enrollment

Rank	Institution	Location	Founded	Affiliation	n Enrollment
1	Indira Gandhi National Open University	<u>Delhi</u> , <u>India</u>	1985	Public	3,500,000
2	Islamic Azad University	<u>Tehran</u> , <u>Iran</u>	1982	Private	2,000,000
3	Anadolu University	Eskisehir, Turkey	1958	Public	1,974,343
4	Allama Iqbal Open University	<u>Islamabad</u> , <u>Pakistan</u>	1974	Public	1,326,948
5	Bangladesh National University	Gazipur, Bangladesh	1992	Public	1,000,000
6	Payame Noor University	<u>Tehran</u> , <u>Iran</u>	1987	Public	818,150
7	Bangladesh Open University	Gazipur, Bangladesh	1992	Public	650,000
8	Universitas Terbuka	Jakarta, Indonesia	1984	Public	646,467
9	Tribhuvan University	Kirtipur, Nepal	1959	Public	604,437
10	University of Mumbai	Mumbai, India	1857	Public	549,432
11	Ramkhamhaeng University	Bangkok, Thailand	1971	Public	525,000
12	University of Pune	Pune, India	1948	Public	496,531
13	University System of Ohio	Ohio, United States	2007	Public	478,000
14	State University of New York	New York, United States	1948	Public	467,845
15	University of the Punjab	<u>Lahore</u> , <u>Pakistan</u>	1882	Public	450,000
16	Andhra Pradesh Open University	Andhra Pradesh, India	1982	Public	450,000
17	California State University	California, United States	1857	Public	417,000
18	University of Delhi	New Delhi, India	1922	Public	400,000
19	Sikkim Manipal University	Sikkim, India	1995	Private	390,000
20	■ National Autonomous University of Mexico	Mexico City, Mexico	1551	Public	324,413
22	University System of Georgia	Georgia, United States	1931 (first university est. 1785	) Public	318,027
22	University of Buenos Aires	Buenos Aires, Argentina	1821	Public	316,050
23	Spiru Haret University	Bucharest, Romania	1991	Private	311,928
24	State University System of Florida	Florida, United States	1954	Public	302,513

25	Osmania University	Hyderabad, India	1918	Public	300,000
26	City University of New York	NYC, New York, United States	1847	Public	516,000
27	National University of Distance Education	Spain	1972	Public	260,079
28	Rajiv Gandhi Technical University	Bhopal, India	1998	Public	260,000
29	Open University	Milton Keynes, England, United Kingdor	<u>n</u> 1969	Public	253,075
30	University of South Africa	Pretoria, Gauteng, South Africa	1873	Public	300,221
31	Estácio de Sá University	Rio de Janeiro, Rio de Janeiro, Brazil	1970	Private	215,000
32	Korea National Open University	South Korea	1972	Public	210,978
33	■ University of Guadalajara	Guadalajara, Jalisco, Mexico	1791	Public	209,406
34	University of California	California, United States	1869	Public	209,080
35	Technical College System of Georgia	Georgia, United States	1970	Public	191,567
36	University of Texas System	Texas, United States	1881	Public	190,000
37	Autonomous University of Santo Do higgo	Santo Domingo, Dominican Republic	1538 (reopened 1914)	Public	180,000
38	University of Kara vi	Karachi, Pakistan	1951	Public	174,000
39	Utah System of Higher Iducati	Uta , A ter tates	1894	Public	171,291
40	- Ain Shams University	Calo Esta Calo	1950 1889 1848 1908	Public	170,000
41	University of North Carolina	North Carolina, Unit States	1 89	Public	169,792
42	National Polytechnic Institute	Mexico City, Mexico	1 36 U A A	Public	166,738
43	University of Wisconsin System	Wisconsin, United States	1848	P bl	162,933
44	Cairo University	Giza, Egypt	1908	Pa∍li	155,000
45	Uttar Pradesh Technical University	Lucknow, India	2000	Public	150,000
46	Madhya Pradesh Bhoj Open University	Bhopal, India	1991	Public	150,000
47	Sapienza University of Rome	Rome, Italy	1303	Public	147,000
48	University System of Maryland	Maryland, United States	1988	Public	144,363
49	Modern University for the Humanities	Moscow, Russia	1992	Public	140,000
50	Norte do Paraná University	Londrina, Paraná, Brazil	1972	Private	130,000
51	University of San Carlos of Guatemala	Guatemala City, Guatemala	1676	Public	124,000
52	Aristotle University of Thessaloniki	Thessaloniki, Greece	1925	Public	120,000
53	National Centre for Distance Education	France	1939	Public	120,000
54	Texas A&M University System	Texas, United States	1876	Public	114,691
55	National University of Córdoba	Córdoba, Argentina	1613	Public	113,558
56	Pennsylvania State System of Higher Education	on Pennsylvania, United States	1982	Public	110,428
57	Oregon University System	Oregon, United States	1929	Public	103,074
58	Shanghai Open University	Shanghai, China	1960	Public	101,218
59	University of Bologna	Bologna, Italy	1088	Public	100,000
60	MARA University of Technology	Shah Alam, Malaysia	1956	Public	100,000



# Why countries concern about University, and Top Universities?

Top ranked universities are strongly correlated (R<sup>2</sup> = 0.89) with the weight of the national economy, as measured by the Gross Domestic Product (GDP).

#### Number of 500 top-ranked Universities correlated to the Gross Domestic Product

Nation	Number of Universities	Gross Domestic Product (billion US\$ 2009)
Argentina	1	309
Australia	<b>*</b> 17	925
Austria	* 7 * 7	385
Belgium	7	469
Brazil	6	1572
Canada	<b>₩</b> 23	1336
Chile	2	164
China	22	4909
Czech	1	190
Denmark	* 4	310
Finland	₩ 6	238
France	22	2649
Germany	39	3347
Greece	2	330
Hong Kong	* 5	215
Hungary	2	129
India	2	1296
Iran	1	331
Ireland	₩ 3	227
Israel	₩ ₩ 7	195
Italy	22	2113
Japan	25	5068
Mexico	1	875
Netherlands	12	792
New Zealand	<b>*</b> * 5	125

### number of 500 topranked Universities correlated to the Gross Domestic Product Ca. 100 billion ~ 1 TU \* higher ones

KZ 243 Billion (2013) => 2 TUs

Norway		4	382
Poland		2	430
Portugal		2	228
Russia		2	1231
Saudi Arabia		2	369
Singapore		2	182
Slovenia		1	48
South Africa		3	286
South Korea		10	833
Spain		10	1460
Sweden	<u> </u>	11	406
Switzerland	*	7	500
Taiwan	*	7	362 1
Turkey		1	617
United Kingdom	*	38	2175
United States		154	14256
Correlation coefficient R2 =	0.89		
1 2009 estimate, CIA World I	actbook		

Updated: 08/30/2014 12:53:37

# How to rank the Universities?



## How to rank the Universities?

# Do you believe?

# RANKING WEB OF UNIVERSITIES



- By the Cybermetrics Lab, a research group belonging to the Consejo Superior de Investigaciones Científicas (CSIC), the largest public research body in Spain.
- to promote academic web presence, supporting the Open Access initiatives for increasing significantly the transfer of scientific and cultural knowledge generated by the universities to the whole Society.
- not to evaluate websites, their design or usability or the popularity of their contents according to the number of visits or visitors.







NORTH AMERICA

LATIN AMERICA

EUROPE

**AFRICA** ASIA

ARAB WORLD

**OCEANIA** 

**RANKING BY AREAS** 

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#### WORLD

ranking	University	Det.	Country	Presence Rank*	Impact Rank*	Openness Rank*	Excellence Rank*
1	Harvard University	35		10	1	1	1
2	Massachusetts Institute of Technology			5	1	27	14
3	Stanford University			2	3	52	3
4	Cornell University			24	5	67	20
5	University of Michigan	30		37	7	59	5
6	University of California Berkeley	3)		40	4	178	15
7	Columbia University New York	20		60	6	141	12
7	University of Washington	20		25	10	113	6
9	University of Minnesota	79		110	9	15	23
10	University of Pennsylvania	-	- 🛅	42	11	109	9

#### Taiwan

ranking	<u>World</u> <u>Rank</u> ▲	<u>University</u>	Det.	Presence Rank*	Impact Rank*	Openness Rank*	Excellence Rank*
1	35	National Taiwan University		15	81	12	103
2	143	National Central University	100.00	128	218	10	458
3	157	National Chiao Tung University		125	188	216	322
4	176	National Cheng Kung University	-	149	377	80	235
5	226	National Tsing Hua University Taiwan		165	433	128	331
6	321	National Chengchi University	100.00	109	210	85	1392
7	323	National Sun Yat Sen University		113	608	118	552
8	401	Tamkang University	-	84	478	274	996
9	403	National Taiwan Normal University		151	318	675	939
10	440	National Chung Cheng University	-	653	456	313	884
11	443	National Chung Hsing University		256	1228	78	528
12	504	National Taiwan Ocean University	-	530	698	254	896
13	586	Ming Chuan University		447	419	379	1829
14	617	National Taiwan University of Science & Technology	100	1619	1335	175	596
15	697	<u>Tunghai University</u>		439	764	670	1512
16	698	National Kaohsiung First University of Science & Technology	-	1511	753	301	1388
17	700	National Taipei University of Technology	-33	398	1353	653	868
18	747	Taipei Medical University		217	1759	846	794

Kaza	1 4
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Na/a	NSI all

#### How do you like to be ranked?

Nazo	Paksian How do you like to be ranke		kea:			(1) Ahmet Yesavi Üniversitesi International Kazakh									
ranking	World	<u>University</u>	Det.	Presence	<u>Impact</u>	<u>Openness</u>	Excellence	13	5808	Turkish University / Ахмет Ясауи атындағы халықаралық қазақ-түрік университеті	- 33	9670	6536	2668	5442
running	<u>Rank</u> ▲		<u> </u>	Rank*	Rank*	Rank*	Rank*	14	6190	Kokshetau University Abai Myrzakhmetov / Кокшетауский университет Абая Мырзахметова	->-	6746	7271	4058	5442
1	1455	Eurasian National University L N Gumilev / Л Н Гумилев атындағы Еуразия ұлттық университеті	<b>)</b>	1284	1028	191	4442	15	6527	Nazarbayev University	<b>&gt;&gt;</b>	6642	5829	7444	5442
2	1711	Kazakh National University Al Farabi / Әл Фараби атындағы Қазақ ұлттық университеті	-	2497	1476	753	3842	16	6533	Kazakh Economic University / Казахский Экономический Университет им Турара Рыскулова	2300	2225	11610	2234	5442
3	2635	Kazakh National Technical University K I Satpayev / Казахский национальный технический университет К И Сатпаева	->-	2700	1949	1313	5442	17	6777	Kazakh National Pedagogical University Abay / Абай атындағы Қазақ ұлттық педагогикалық университеті	- 33	5018	9609	3438	5442
4	2696	Kazakh National Agriculture University / Казахсий Национальный Аграрный Университет	->-	5568	1047	2708	5442	18	6796	Semey Semipalatinsk State University Shakarim / Семипалатинский государственный университет Шакарима	-	2344	12830	1551	5442
		Kazakh National Medical University Asfendiyarov / C						19	7244	Innovative Eurasian University	->>	668	11792	5355	5442
5	2917	Ж Асфендияров атындағы Қазақ ұлттық медицина университеті	-y-	2396	2401	2035	5442	20	7282	Pavlodar State Pedagogical Institute / Павлодарский Государственный Педагогический Институт В Гнатюка	-	293	13230	4358	5442
6	3333	Pavlodar State University S Toraiqyrov / С Торайғыров атындағы Павлодар мемлекеттік	- 33-	759	3991	2845	5442	21	7519	East Kazakhstan State University S Amanzholov	33	1286	10640	6747	5442
		университеті  Karaqanda State Technical University /						22	7598	Kostanay State Pedagogical University / Костанайский государственный педагогический институт	->-	4894	13273	1417	5442
7	3662	Карагандинский Государственный Технический Университет	»	3284	4768	1345	5442	23	7716	North Kazakhstan State University M Kozybaev / М Козыбаев атындағы Солтустік Қазақстан	· >>	658	11221	7520	5442
8	4004	Karaqanda State University Buketov / Карагандинский государственный университет Е	- 33	847	7944	908	5442	24	7781	мемлекеттік университеті Suleyman Demirel University	->-	8196	9006	4972	5442
0	4004	А Букетова		047	1344	300	3442			Karaganda Economical University Kazpotrebsoyuz /		0.00	0000	1072	01.12
9	4448	East Kazakhstan State Technical University D Serikbaev / Дәулет Серікбаев атындағы Шығыс	n	337	8546	2141	5442	25	7902	<u>Карагандинский экономический университет</u> <u>Казпотребсоюза</u>	33	6984	10129	4363	5442
	4440	<u>Қазақстан мемлекеттік техникалық университеті</u>		331	0340	2171	3442	26	8231	Kazakh State Women Pedagogical University / Казақ Мемлекеттік Қыздар Педагогикалық	- 1	7616	8472	7394	5442
10	4499	Kazakh-British Technical University / Казахстанско- Британский Технический Университет	33	5906	4122	5732	4831	27	8264	<u>Университеті</u> <u>International Academy of Business /</u>	33	11052	10113	3247	5442
11	5192	Kazakhstan Institute of Management, Economics	- >>	4250	7022	4492	4831	21	0204	Международная Академия Бизнеса		11032	10113	3247	3442
	0.02	and Strategic Research KIMEP University		1200		1102	1001	28	8266	Almaty Technological University / Алматинский Технологический Университет	- >>	4064	13143	2978	5442
12	5560	South Kazakhstan State University M O Auezov / M О Әуезов Атындағы Оңтүстік Қазақстан Мемлекеттік Университеті	->-	678	9591	3724	5442	29	8506	Academy of Public Administration under the President of the Republic of Kazakhstan / Академия Государственного Управления При Президенте	- 20-	7880	6404	12373	5442
		(1) Ahmet Yesavi Üniversitesi International Kazakh								Республики Казахстан					

Rank\*

Rank\*

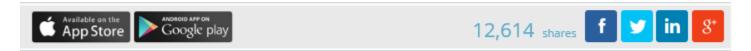
Rank\*

## How to demonstrate University real capacity?





#### QS World University Rankings® 2014/15

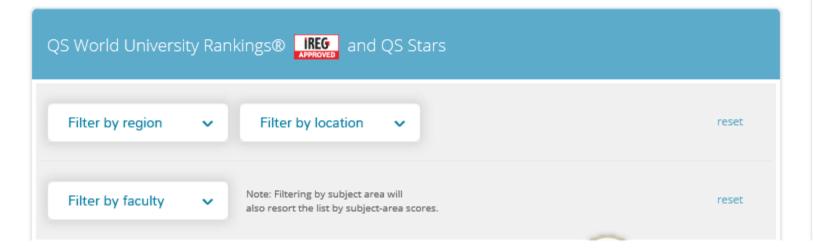


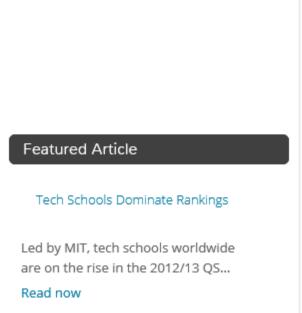
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#### **QS** World Univ



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QS World University Rankings by Subject

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QS Top 50 Under 50

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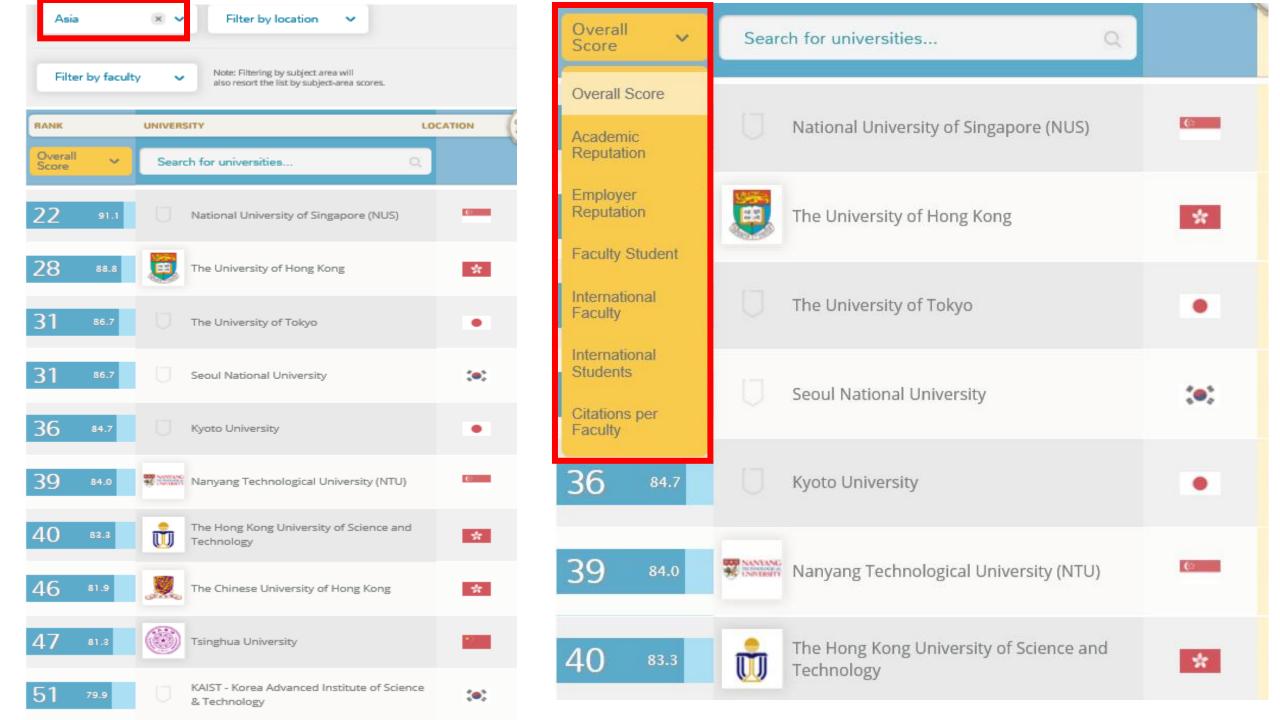


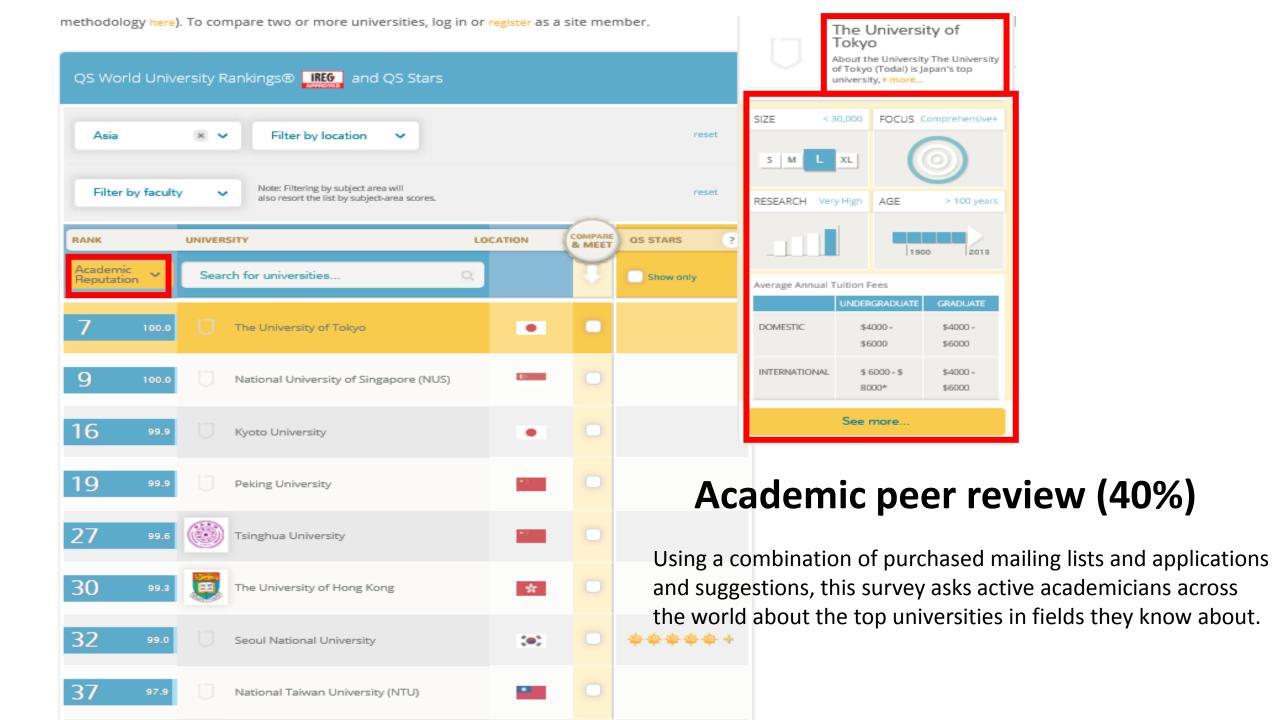
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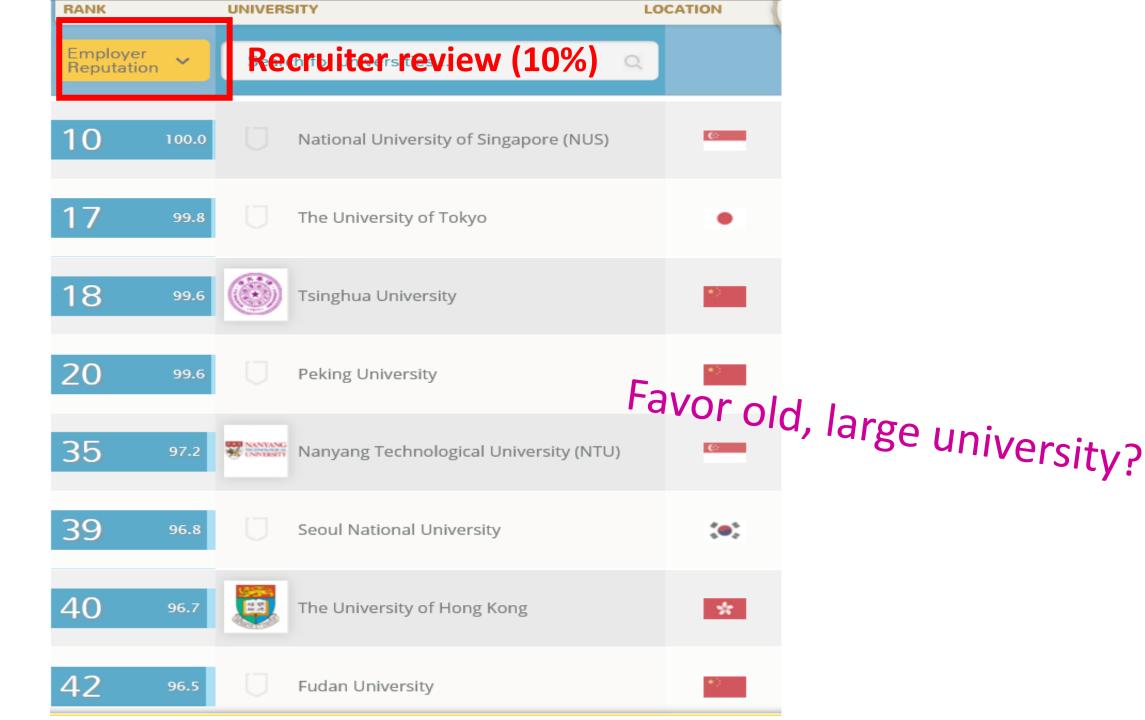
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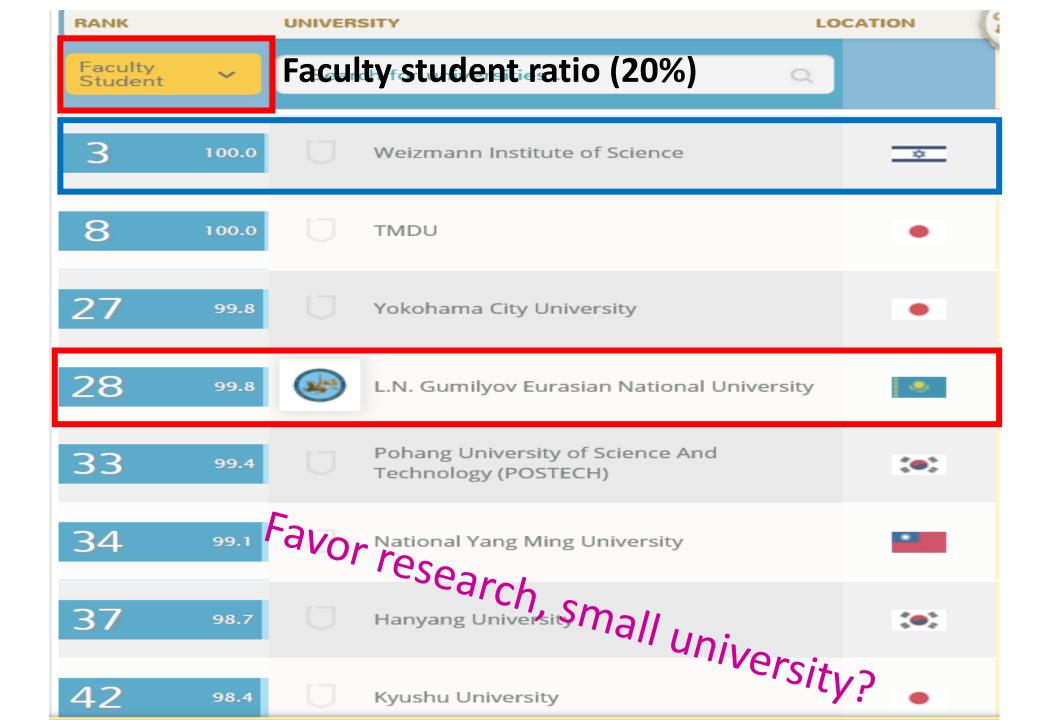
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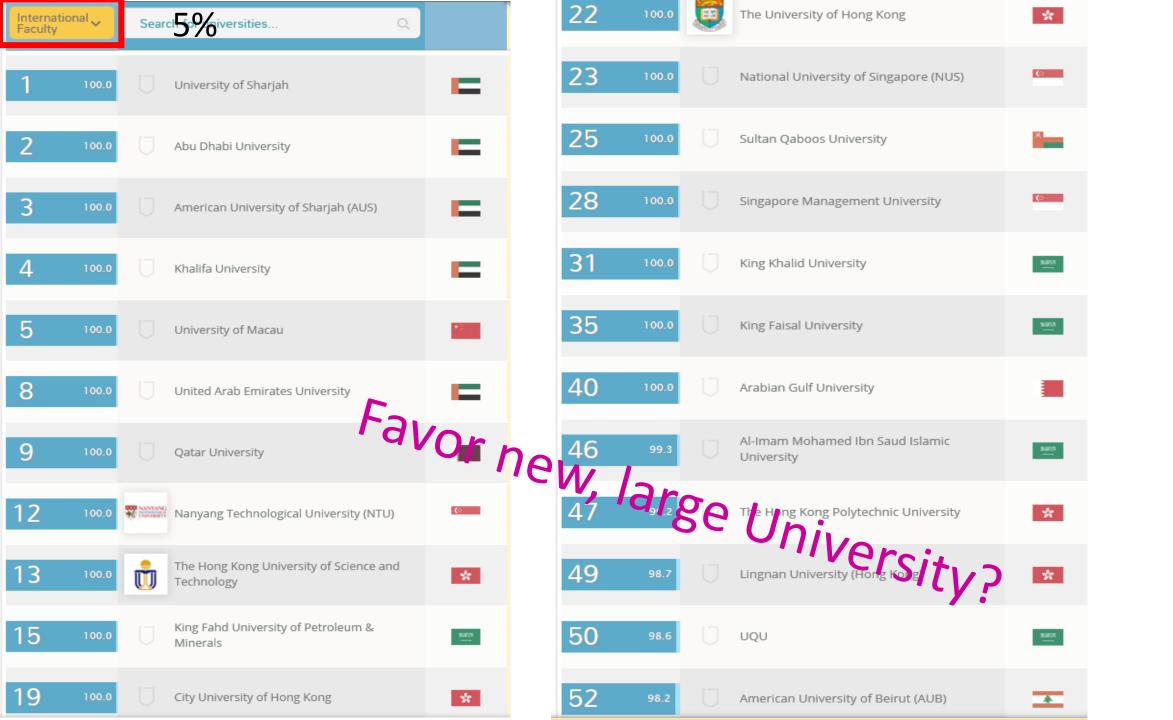
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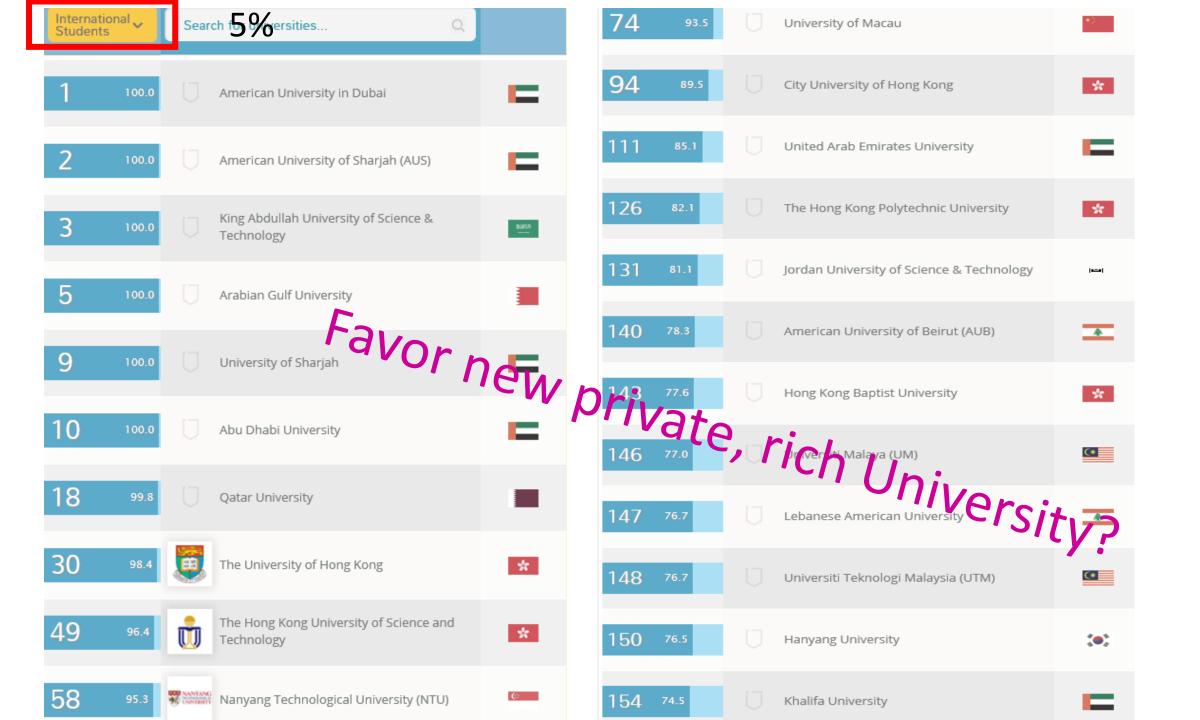


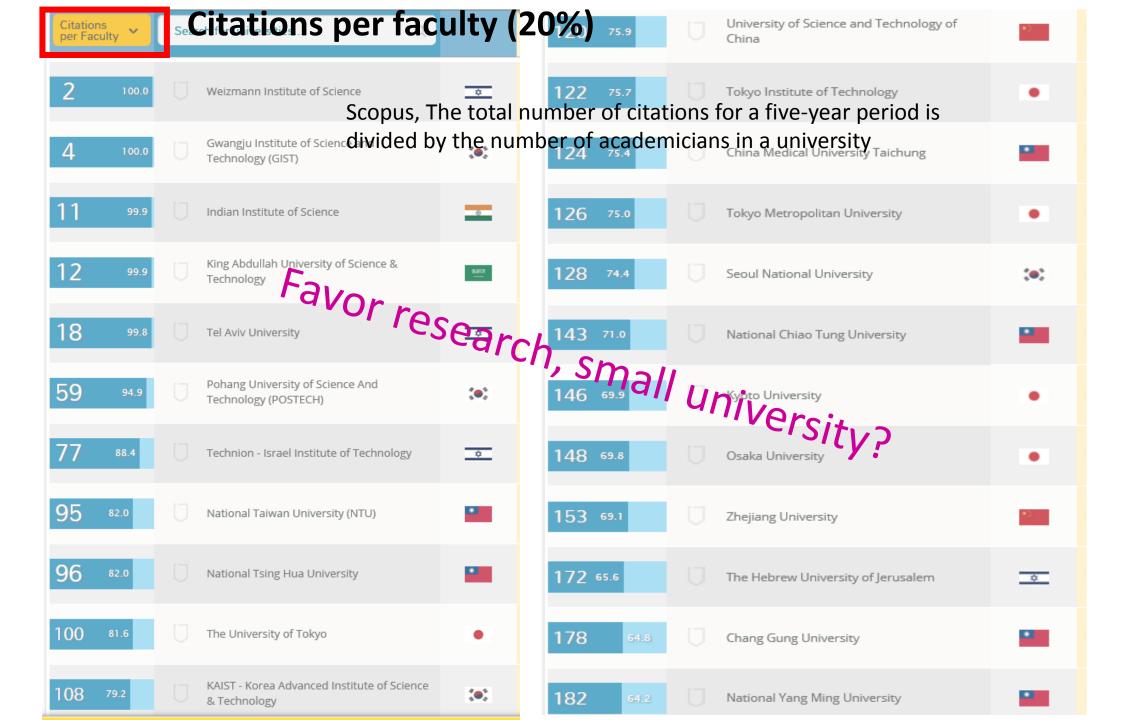












#### QS University Faculty and Subject Rankings' categories [23][24]

Art & Humanities	Engineering & Technology	Life Sciences & Medicine	Natural Sciences	Social Sciences
Discipline	Discipline	Discipline	Discipline	Discipline
	Computer Science		Physics	Statistics
Philosophy	&	Medicine	&	&
	Information Systems		Astronomy	Operational Research
Modern Languages	Chemical Engineering	Biological Sciences	Mathematics	Sociology
	Civil			Politics
Geography	&	Psychology	Environmental Sciences	&
	Structural Engineering			International Studies
	Electrical	Pharmacy	Earth	
History	&	&	&	Law
	Electronic Engineering	Pharmacology	Marine Sciences	
	Mechanical, Aeronautical	Agriculture		Economics
Linguistics	&	&	Chemistry	&
	Manufacturing Engineering	Forestry		Econometrics
English Language				Accounting
&			Materials Sciences	&
Literature				Finance
				Communication
				&
				Media Studies
				Education

#### QS World University Rankings—Top 50

Q5 World University Rankings—Top 50										
2014/15 <sup>[18]</sup> \$	2013/14 <sup>[19]</sup> \$	<b>2012/13</b> <sup>[20]</sup> <b>\$</b>	<b>2011/12</b> <sup>[21]</sup> <b>\$</b>	2010/11 <sup>[22]</sup> \$	Institution	Region \$				
1	1	1	3	5	Massachusetts Institute of Technology	United States				
2	3	2	5	1	University of Cambridge	United Kingdom				
2	5	6	6	7	Imperial College London	United Kingdom				
4	2	3	2	2	Harvard University English maior	United States				
5	6	5	1	6	University of Oxford  English major	United Kingdom				
5	4	4	7	4	University College London	United Kingdom				
7	7	15	11	13	Stanford University	United States				
8	10	10	12	9	California Institute of Technology	United States				
9	10	9	13	10	Princeton University	United States				
10	8	7	4	3	Yale University	United States				
11	9	8	8	8	University of Chicago	United States				
12	12	13	18	18	Swiss Federal Institute of Technology in Zurich (ETH Zurich)	Switzerland     ■				
13	13	12	9	12	University of Pennsylvania	United States				
14	14	11	10	11	Columbia University	United States				
14	16	16	16	17	Johns Hopkins University	United States				
16	19	26	27	21	King's College London	United Kingdom				
17	17	21	20	22	University of Edinburgh	United Kingdom				
17	19	29	35	32	Swiss Federal Institute of Technology in Lausanne (EPFL)	Switzerland     ■ Swi				
19	15	14	15	16	Cornell University	United States				
20	17	19	23	29	University of Toronto	<b>I</b> ♦ <b>I</b> Canada				

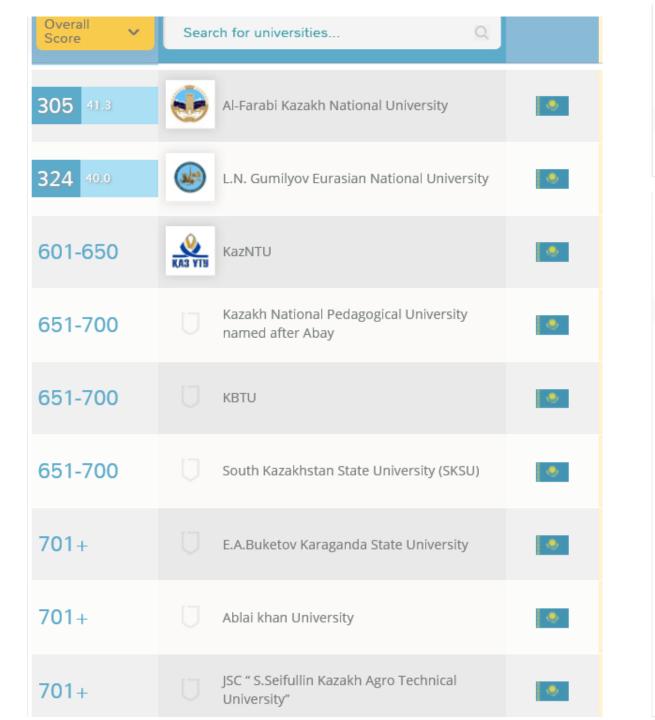
21	21	18	17	19	McGill University	<b>I</b> →I Canada
22	24	25	28	31	National University of Singapore	Singapore
23	22	17	14	15	University of Michigan	United States
24	28	34	33	33	Ecole Normale Supérieure	France
25	27	24	26	20	Australian National University	Maria Australia
25	23	20	19	14	Duke University	United States
27	25	22	21	28	University of California, Berkeley	United States
28	26	23	22	23	The University of Hong Kong	Hong Kong
29	30	28	30	27	University of Bristol	United Kingdom
30	33	32	29	30	The University of Manchester	United Kingdom
31	32	30	25	24	The University of Tokyo	<ul><li>Japan</li></ul>
31	35	37	42	50	Seoul National University	South Korea
33	31	36	31	38	The Miversity of Melbourne	*** Australia
34	29	27	24	25netli	Northwestern University	United States
35	41	41	36 CO	<b>J</b> e	Ecole Polytechnique	France
36	35	36 27 41 35 <b>ati</b> 0	Hai	25	Kyoto University	<ul><li>Japan</li></ul>
37	40	Maci	34	35	University of California, Los Angeles	United States
37	38	20	20	0.7	The Unitersity of Sydney	*** Australia
39	41	47	58 40est 0	74he	Nanyang Technological University	Singapore
40	34	33	40 ct 0	40	The Hong Kong University of Science and Technology	Hong Kong
41	44	43 <b>The</b>	0620	41	New York University	United States
41	37	38	41	48	University of Wisconsin-Madison	United States
43	49	45	51	44	University of British Columbia	<b>■</b> Canada
43	43	46	48	43	The University of Queensland	*** Australia
45	39	40	37	42	The Chinese University of Hong Kong	Hong Kong
46	45	51	52	45	University of Copenhagen	<b>■■</b> Denmark
47	48	48	47	54	Tsinghua University	China
48	52	52	39	39	University of New South Wales	*** Australia
49	50	55	53	51	Ruprecht-Karls-Universität Heidelberg	Germany
50	58	62	63	49	University of Amsterdam	Netherlands

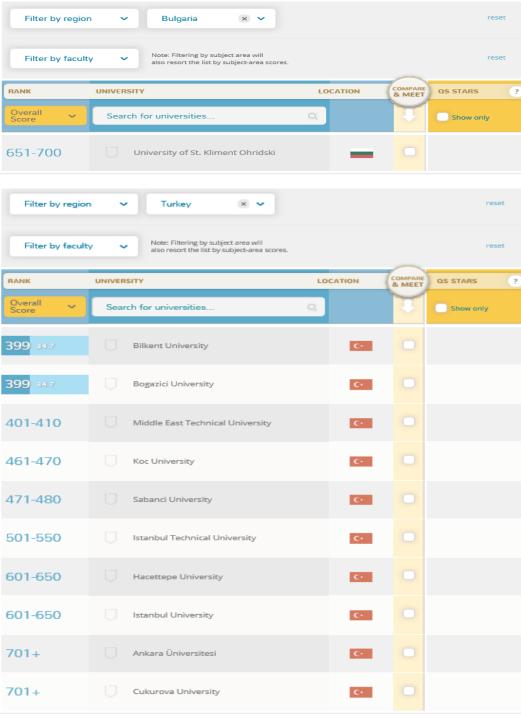
#### **TOP 50 Asia, finance and strength**

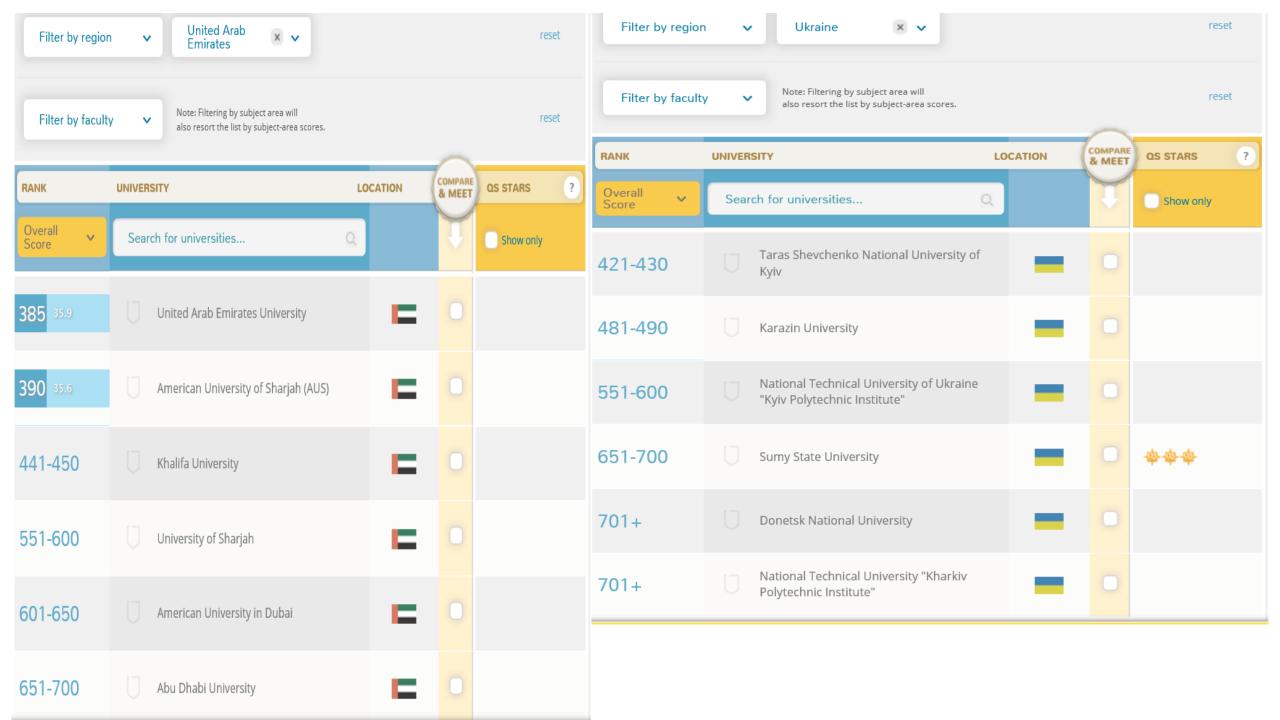
QS Asian University Rankings — Top 50

	QS Asian University Rankings — Top 50									
2014 <sup>[28]</sup> \$	2013 <sup>[29]</sup> \$	2012 <sup>[26]</sup> \$	2011 <sup>[27]</sup> \$	2010 <sup>[30]</sup> \$	2009 <sup>[31]</sup> \$	Institution \$	Region \$			
1	2	2	3	3	10	National University of Singapore	Singapore			
2	6	7	11	13	7	Korea Advanced Institute of Science and Technology	South Kores			
3	2	3	2	1	1	The University of Hong Kong	★ Hong Kong			
4	4	4	6	6	8	Seoul National University	South Kores			
5	1	1	1	2	4	The Hong Kong University of Science and Technology	Hong Kong			
6	7	5	5	4	2	The Chinese University of Hong Kong	Hong Kong			
7	10	17	17	18	14	Nanyang Technological University	Singapore			
8	5	6	13	12	10	Peking University	China			
9	7	9	12	14	17	Pohang University of Science and Technology	South Kores			
10	9	8	4	5	3	The University of Tokyo	<ul><li>Japan</li></ul>			
11	12	12	15	15	18	City University of Hong Kong	Hong Kong			
12	10	10	7	8	5	Kyoto University	<ul><li>Japan</li></ul>			
13	15	11	8	7	6	Osaka University	<ul><li>Japan</li></ul>			
14	14	15	16	16	15	Tsinghua University	China			
15	13	13	9	11	9	Tokyo Institute of Technology	<ul><li>Japan</li></ul>			
16	16	16	18	19	25	Yonsei University	South Kores			
17	21	24	27	43	44	Sungkyunkwan University	South Kores			
18	19	21	26	29	33	Korea University	South Kores			
18	17	14	9	9	13	Tohoku University	<ul><li>Japan</li></ul>			
20	18	18	14	10	12	Nagoya University	<ul><li>Japan</li></ul>			
21	22	20	21	21	22	National Taiwan University	Taiwan			
22	23	19	21	24	26	Fudan University	China			
23	24	23	20	22	20	Hokkaido University	<ul><li>Japan</li></ul>			
24	20	22	18	17	15	Kyushu University	<ul><li>Japan</li></ul>			
25	26	27	24	25	24	University of Science and Technology of China	China			

	28	29	28	29	27	27	Nanjing University	*)	China
	27	25	26	30	30	38	The Hong Kong Polytechnic University		Hong Kong
	28	27	29	33	34	29	Shanghai Jiao Tong University		China
	29	36	33	44	49	46	Hanyang University		South Korea
3	29	30	49	52	71	74	National Chiao Tung University	•	Taiwan
	31	28	28	27	32	32	Zhejiang University	*)	China
	32	33	35	39	42	39	Universiti Malaya		Malaysia
	33	31	31	31	34	40	National Tsing Hua University	•	Taiwan
	34	34	32	23	20	19	University of Tsukuba	•	Japan
1	35	32	30	24	23	20	Keio University	•	Japan
	36	37	37	32	31	43	National Cheng Kung University		Taiwan
	37	35	41	42	62	57	Kyung Hee University	<b>(e</b> )	South Korea
	38	38	36	37	39	36	Indian Institute of Technology Delhi	×	India
	39	40	40	45	48	42	Ewha Womans University	<b>(0</b> )	South Korea
	40	42	38	34	28	30	Mahidol University		Thailand
	41	39	34	38	36	30	Indian Institute of Technology Bombay	×	India
	42	46	45	64	89	110	Beijing Normal University	*)	China
	43	41	39	35	26	23	Kobe University	•	Japan
	44	44	42	46	39	37	Waseda University	•	Japan
	45	43	48	49	45	73	Hong Kong Baptist University	女	Hong Kong
	46	50	64	89	na	na	Taipei Medical University	•	Taiwan
	47	47	44	41	38	28	Hiroshima University	•	Japan
	48	48	43	47	44	35	Chulalongkorn University		Thailand
	49	45	50	40	41	47	National Yang Ming University	•	Taiwan
	50	62	67	73	128	121	Nankai University	*)	China
_									







#### Russia

114 66.9	Lomonosov MSU	-	
233 49.2	Saint-Petersburg State University		
322 40.1	Bauman Moscow State Technical University	-	
328 39.9	Novosibirsk State University	-	
399 34.7	MGIMO-University	-	ффф
411-420	МІРТ	-	
471-480	Peoples Friendship University of Russia	-	
481-490	National Research Nuclear University MEPhl (Moscow Engineering Physics Institute)	-	
481-490	St. Petersburg State Polytechnical University	-	
491-500	Tomsk State University	-	
501-550	National Research University - Higher School of Economics (HSE)	_	<del>***</del>

501-550	National Research Tomsk Polytechnic University	-	0	
551-600	Kazan (Volga region) Federal University	-		<del>***</del>
551-600	Ural Federal University	-		
601-650	National Research Saratov State University	-		
601-650	Southern Federal University	-		
701+	Far Eastern Federal University	-		
701+	Lobachevsky State University of Nizhni Novgorod	-		<del>***</del>
701+	The National University of Science and Technology "MISiS"	-		
701+	Plekhanov Russian University of Economics	-		
701+	Voronezh State University	-		

Citations per Faculty



Overall Score

Academic Reputation

Employer Reputation

**Faculty Student** 

International Faculty

International Students

Citations per Faculty

## Where are the strength?

Medalists [edit]

Main article: 2012 Summer Olympics medal table



Medal	Name	Sport	Event	Date
1 Gold	Alexander Vinokourov	Cycling	Men's road race	28 July
1 Gold	Zulfiya Chinshanlo	Weightlifting	Women's 53 kg	29 July
1 Gold	Maiya Maneza	Weightlifting	Women's 63 kg	31 July
1 Gold	Svetlana Podobedova	Weightlifting	Women's 75 kg	3 August
1 Gold	Ilya Ilin	Weightlifting	Men's 94 kg	4 August
1 Gold	Olga Rypakova	Athletics	Women's triple jump	5 August
1 Gold	Serik Sapiyev	Boxing	Men's welterweight	12 August
2 Silver	Adilbek Niyazymbetov	Boxing	Men's light heavyweight	12 August
3 Bronze	Daniyal Gadzhiyev	Wrestling	Men's Greco-Roman 84 kg	6 August
3 Bronze	Marina Volnova	Boxing	Women's middleweight	8 August
3 Bronze	Guzel Manyurova	Wrestling	Women's freestyle 72 kg	9 August
3 Bronze	Ivan Dychko	Boxing	Men's super heavyweight	10 August
3 Bronze	Akzhurek Tanatarov	Wrestling	Men's freestyle 66 kg	12 August

2012 Summer Olympics medal table [18]

	Rank	NOC	Gold	Silver	Bronze	Total
Asfendiyarov	1	<b>United States</b> (USA)	46	29	29	104
Kazakh National Medical Universit	<sup>y</sup> 2	China (CHN)‡	38	27	23	88
	3	Great Britain (GBR)*	29	17	19	65
	4	Russia (RUS)‡	24	25	32	81
	5	South Korea (KOR)	13	8	7	28
	6	Germany (GER)	11	19	14	44
100	7	France (FRA)	11	11	12	34
	8	Italy (ITA)	8	9	11	28
	9	Hungary (HUN)‡	8	4	6	18
100	10	Australia (AUS)	7	16	12	35
	11	- Japan (JPN)	7	14	17	38
	12	Kazakhstan (KAZ)	7	1	5	13
	13	Netherlands (NED)	6	6	8	20
	14	- Ukraine (UKR)	6	5	9	20
	15	New Zealand (NZL)‡	6	2	5	13
	16	Cuba (CUB)‡	5	3	7	15



Universities are awarded with a "Star" rating, ranging from 0 to 5 Star+, depending on the number of points achieved through the evaluation.

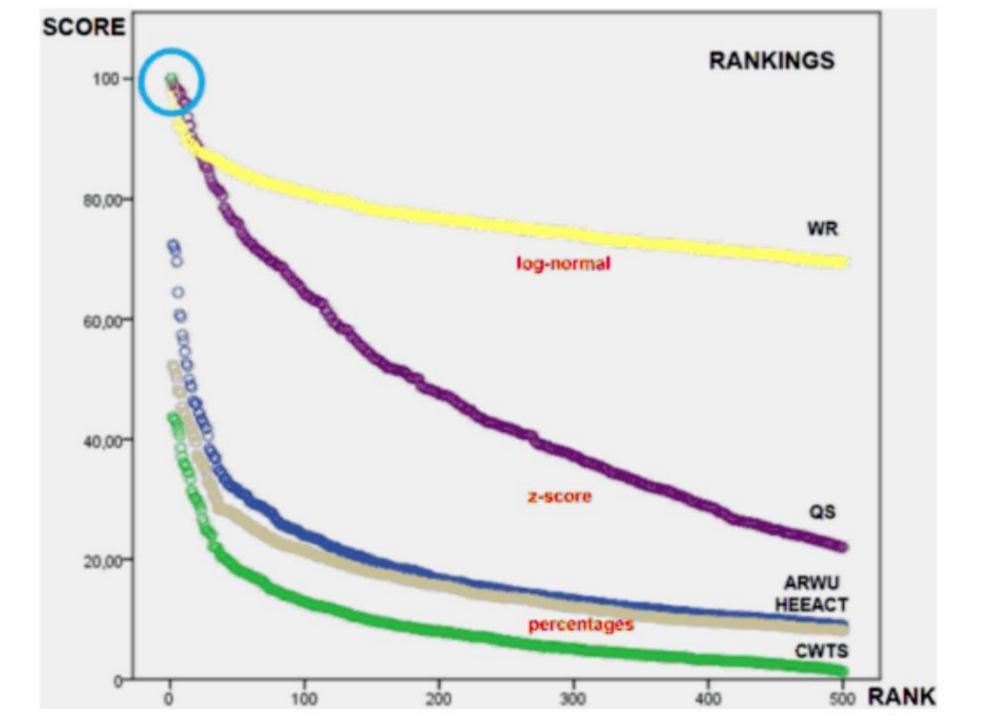
Over 50 different indicators contribute towards the overall assessment. These are grouped into eleven categories, from which each institution is evaluated in a total of eight.

QS Stars Methodology

- Offers universities a way of seeing their own strengths and weaknesses in depth.
- Separate from the QS World University Rankings
- Universities can get from one star to five, or Five Star Plus for the truly exceptional.
- 8 criteria. Research Quality Teaching Quality Graduate Employability University Infrastructure Internationalisation Innovation and knowledge transfer Third mission activity, measuring areas of social and civic engagement Special criteria for specific subjects
- About 100 institutions had opted for the Stars evaluation as of early 2013.
- In 2012, fees to participate in this program were \$9850 for the initial audit and an annual license fee of \$6850. [34]

#### **QS** Stars for Teaching - Video





"universities deserve a rigorous, robust and transparent set of rankings — a serious tool for the sector, not just an annual curiosity, former editor Ann Mroz

#### Times Higher Education World University Rankings



Editor Phil Baty

Categories Higher education

Frequency Annual

Publisher Times Higher Education

Country United Kingdom

Language English

Website Times Higher Education World

University Rankings &

Overall indicator	Individual indicators	Percentage weightings	
Industry Income – innovation	Research income from industry (per academic staff)	• 2.5%	
International diversity	<ul> <li>Ratio of international to domestic staff</li> <li>Ratio of international to domestic students</li> </ul>	<ul><li>3%</li><li>2%</li></ul>	
Teaching – the learning environment	<ul> <li>Reputational survey (teaching)</li> <li>PhDs awards per academic</li> <li>Undergrad. admitted per academic</li> <li>Income per academic</li> <li>PhDs/undergraduate degrees awarded</li> </ul>	<ul><li>15%</li><li>6%</li><li>4.5%</li><li>2.25%</li><li>2.25%</li></ul>	
Research – volume, income and reputation	<ul> <li>Reputational survey (research)</li> <li>Research income (scaled)</li> <li>Papers per research and academic staff</li> <li>Public research income/ total research income</li> </ul>	<ul><li>19.5%</li><li>5.25%</li><li>4.5%</li><li>0.75%</li></ul>	
Citations – research influence	<ul> <li>Citation impact (normalised average citation per paper)</li> </ul>	• 32.5%	

### Times Higher Education World University Rankings—Top 50

					University Rankings—Top 50	
2014-15 <sup>[30]</sup> \$	2013-14 <sup>[31]</sup> \$	2012-13 <sup>[32]</sup> \$	2011-12 <sup>[33]</sup> \$	2010-11 <sup>[34]</sup> \$	Institution	Region ♦
1	1	1	1	2	California Institute of Technology	United States
2	2	4	2	1	Harvard University	United States
3	2	2	4	6	University of Oxford	United Kingdom
4	4	3	2	4	Stanford University	United States
5	7	7	6	6	University of Cambridge	United Kingdom
6	5	5	7	3	Massachusetts Institute of Technology	United States
7	6	6	5	5	Princeton University	United States
8	8	9	10	8	University of California, Berkeley	United States
9	10	8	8	9	Imperial College London	United Kingdom
9	11	11	11	10	Yale University	United States
11	9	10	9	12	University of Chicago	United States
12	12	13	13	11	University of California, Los Angeles	United States
13	14	12	15	15	Swiss Federal Institute of Technology Zürich	Switzerland
14	13	14	12	18	Columbia University	United States
15	15	16	14	13	Johns Hopkins University	United States
16	16	15	16	19	University of Pennsylvania	United States
17	18	20	18	15	University of Michigan	United States
18	17	23	22	24	Duke University	United States
19	19	18	20	14	Cornell University	United States
20	20	21	19	17	University of Toronto	<b>■●■</b> Canada
21	22	19	26	25	Northwestern University	United States
22	21	17	17	22	University College London	<b>SEE</b> United Kingdom
23	23	27	30	26	The University of Tokyo	<ul><li>Japan</li></ul>
24	24	22	21	20	Carnegie Mellon University	United States

25	26	29	40	34	National University of Singapore	Singapore 4
26	25	24	25	23	University of Washington	United States
27	28	25	24	27	Georgia Institute of Technology	United States
28	27	25	29		University of Texas at Austin	United States
29	29	33	31	33	University of Illinois at Urbana Champaign	United States
29	30	31	27	-	Ludwig-Maximilians-Universität München	Germany 4
29	55	48	45	61	University of Wisconsin-Madison	United States
32	31	30	22	30	University of British Columbia	<b>I</b> ■ Canada
33	34	28	37	36	University of Melbourne	Australia
34	37	40	46	48	École Polytechnique Fédérale de Lausanne	→ Switzerland
34	32	39	47	86	London School of Economics and Political Science	United Kingdom
36	39	32	36	40	University of Edinburgh	United Kingdom
37	33	35	35	29	University of California, Santa Barbara	United States
38	40	41	44	60	New York University	United States
39	35	34	28	35	McGill University	<b>I</b> → Canada
40	38	57	56	77	King's College London	United Kingdom
41	40	38	33	32	University of California, San Diego	United States
42	42	44	41	38	Washington University in St Louis	United States
43	43	35	34	21	The University of Hong Kong	Hong Kong
44	36	42	32	43	Karolinska Institute	Sweden
45	48	37	38	43	Australian National University	Australia
46	46	47	42	52	University of Minnesota	United States
46	47	42	43	30	University of North Carolina at Chapel Hill	United States
48	45	46	49	37	Peking University	China
49	50	52	71	58	Tsinghua University	China
50	44	59	124	109	Seoul National University	South Korea

2014 <sup>[39]</sup> \$	2013 <sup>[40]</sup> \$	2012 <sup>[41]</sup> \$	2011 <sup>[42]</sup> \$	Institute \$	Region +
1	1	1	1	Harvard University	United States
2	2	2	2	Massachusetts Institute of Technology	United States
3	6	4	5	Stanford University	United States
4	3	3	3	University of Cambridge	<b>SEE</b> United Kingdom
5	4	6	6	University of Oxford	<b>SEE</b> United Kingdom
6	5	5	4	University of California, Berkeley	United States
7	7	7	7	Princeton University	United States
8	10	10	9	Yale University	United States
9	11	11	10	California Institute of Technology	United States
10	8	9	12	University of California, Los Angeles	United States
11	9	8	8	University of Tokyo	<ul><li>Japan</li></ul>
12	13	15	23	Columbia University	United States
13	14	13	11	Imperial College London	United Kingdom
14	14	14	15	University of Chicago	United States
15	12	12	13	University of Michigan	United States
16	20	22	24	Swiss Federal Institute of Technology Zürich	Switzerland     ■ Swi
17	17	16	16	Cornell University	United States
18	19	18	14	Johns Hopkins University	United States
19	23	20	18	Kyoto University	<ul><li>Japan</li></ul>
20	16	16	17	University of Toronto	<b>■</b> Canada
21	22	23	27	National University of Singapore	Singapore
22	18	19	22	University of Pennsylvania	United States
23	24	23	21	University of Illinois at Urbana Champaign	United States
24	25	29	37	London School of Economics and Political Science	<b>SEE</b> United Kingdom

- based on a global survey.
- independent of the main rankings.

## To Build a Healthy World.

Annual Fundraising Report August 1st 2013-July 31st 2014





























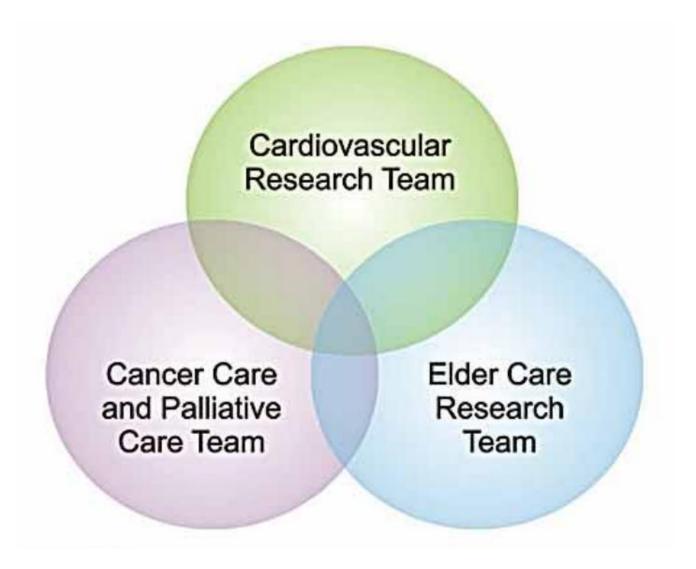








# Build up international reputations



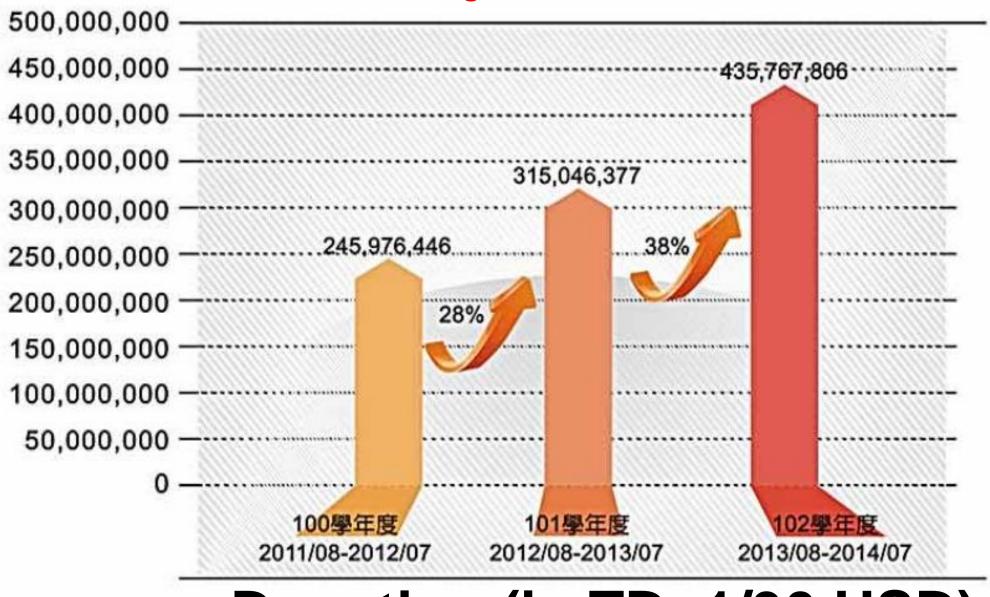








### **Ranking and donation**



Donation (in TD: 1/30 USD)









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glioma.

Liu SY, Chiang MF, Chen YJ.

Exp Biol Med (Maywood). 2014 Nov 27. pii: 1535370214561588. [Epub ahead of print]

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- The effect of gender on health-related quality of life and related factors in post-lobectomy
- lung-cancer patients.

Chang NW, Lin KC, Hsu WH, Lee SC, Chan JY, Wang KY.

Eur J Oncol Nurs. 2014 Nov 5. pii: S1462-3889(14)00178-1. doi: 10.1016/j.ejon.2014.10.015. [Epub ahead of print]

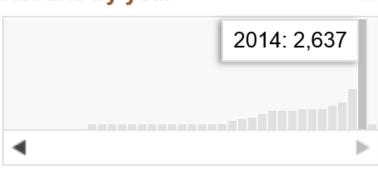
PMID: 25432210 [PubMed - as supplied by publisher]

- The Management of Incidental Central Neurocytoma.
- Pan DH, Lee CC.

Neurosurg Clin N Am. 2015 Jan;26(1):57-66. doi: 10.1016/j.nec.2014.09.010. Review.

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## Results by year



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### Results by year





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## **Incentives for researches**

Research grants overhead 50% for faculties

- Research grants from Universities and partner hospitals
- 1 SCI article: 300~300,000 USD
- Graduate students travel awards
- Patents, industry funding

Teaching in English International students

# How to live with international university ranking? 1. Learn the process and rule of games

- Identify strength (not weakness)
- **Develop strategies**
- Coordinate the strength inside out
- 5. Operate effectively
- Not to pay the Ranking, but to Partner with
- Demonstrate the real strength to the students, parents and colleagues
- Plan the steps, goals (2-3-5 years)
- 9. University networks, faculties-students team works, international actions
- 10. Global networks and visions

