

## Academic Ranking of World Universities (ARWU)

### Selection of Universities

ARWU considers every university that has any Nobel Laureates, Fields Medalists, Highly Cited Researchers, or papers published in Nature or Science. In addition, universities with significant amount of papers indexed by Science Citation Index-Expanded (SCIE) and Social Science Citation Index (SSCI) are also included. In total, more than 1200 universities are actually ranked and the best 500 are published on the web.

### Ranking Criteria and Weights

Universities are ranked by several indicators of academic or research performance, including alumni and staff winning Nobel Prizes and Fields Medals, highly cited researchers, papers published in Nature and Science, papers indexed in major citation indices, and the per capita academic performance of an institution. For each indicator, the highest scoring institution is assigned a score of 100, and other institutions are calculated as a percentage of the top score. The distribution of data for each indicator is examined for any significant distorting effect; standard statistical techniques are used to adjust the indicator if necessary. Scores for each indicator are weighted as shown below to arrive at a final overall score for an institution. The highest scoring institution is assigned a score of 100, and other institutions are calculated as a percentage of the top score. An institution's rank reflects the number of institutions that sit above it.

Tram	Extensió del tram	Criteri d'ordenació
1r	1-100	Posicionament individual segons puntuació obtinguda
2n	[101-150]	Posicionament col·lectiu de les universitats que integren el tram, ordenades alfabèticament.
3r	[151-200]	
4t	[201-300]	
5è	[301-400]	
6è	[401-500]	

Dimensió	Indicador	Definició	Pes
Qualitat de l'ensenyament	<i>Alumni</i>	Alumnes titulats d'una institució guanyadors de Premi Nobel o Medalla Fields	10%
Qualitat del professorat	<i>Award</i>	Personal d'una institució guanyador del Premi Nobel o de Medalla Fields	20%
	<i>HiCi</i>	Personal investigador altament citat en 21 categories temàtiques	20%
Resultats de la recerca	<i>N&amp;S</i>	Articles publicats en les revistes <i>Nature</i> i <i>Science</i>	20%
	<i>PUB</i>	Articles indexats en el <i>Social Science Citation Index</i> i en el <i>Science Citation Index- Expanded</i> l'any anterior (t-1)	20%

<b>Rendiment per càpita</b>	<i>PCP</i>	Rendiment acadèmic per càpita d'una institució (Resultat ponderat dels cinc indicadors anteriors dividits pel nombre de personal acadèmic equivalent a temps complet)	10%
-----------------------------	------------	---	-----

### Data Fonts

Indicator	Data Source
Nobel laureates	<a href="http://nobelprize.org/">http://nobelprize.org/</a>
Fields Medals	<a href="http://www.mathunion.org/index.php?id=prizewinners">http://www.mathunion.org/index.php?id=prizewinners</a>
Highly cited researchers	<a href="http://www.highlycited.com/">http://www.highlycited.com/</a>
Papers published in Nature and Science	<a href="http://www.webofknowledge.com/">http://www.webofknowledge.com/</a>
Articles indexed in Science Citation Index-Expanded and Social Science Citation Index	<a href="http://www.webofknowledge.com/">http://www.webofknowledge.com/</a>
Others	Number of academic staff. Data is obtained from national agencies such as National Ministry of Education, National Bureau of Statistics, National Association of Universities and Colleges, National Rector's Conference.

ACCEDIR

<http://www.shanghairanking.com/ARWU-Methodology-2017.html>