

Analysis on University Rankings

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Why is it important to analyze university rankings?



Questions Addressed

- Are all the ranking systems consistent?
- Would expenditure affect ranking?
- Which countries have the top-ranked universities and how does it change over time?

Data

Global rankings from different sources!

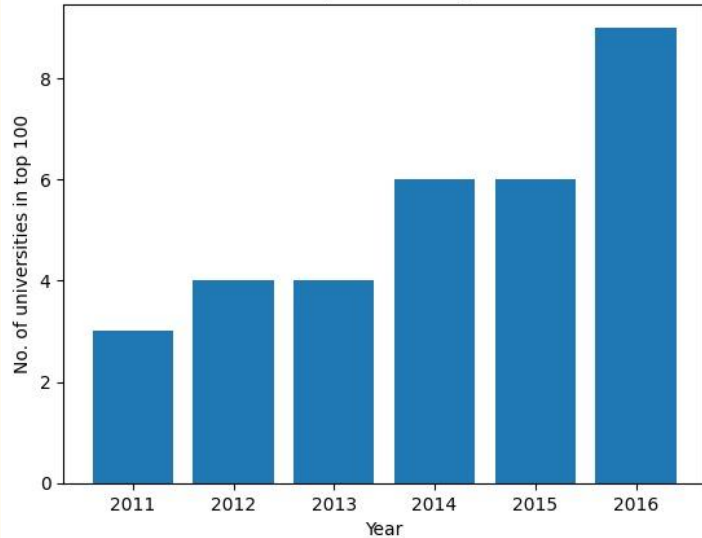
- Found from CWUR, Shanghai Ranking (ARWU) and Times Higher Education Rankings
- Includes various parameters such as citations, research output, alumni employment, etc.
- Expenditure data from UNESCO Institute for Statistics

Comparison of top 100 universities

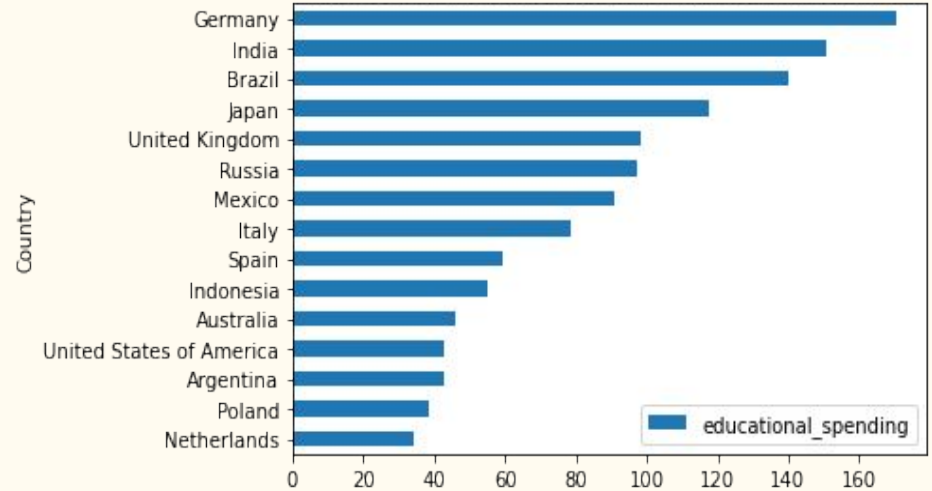
Line chart of top 100 rankings for different websites

Germany - A Story of Growth

Germany's constant growth



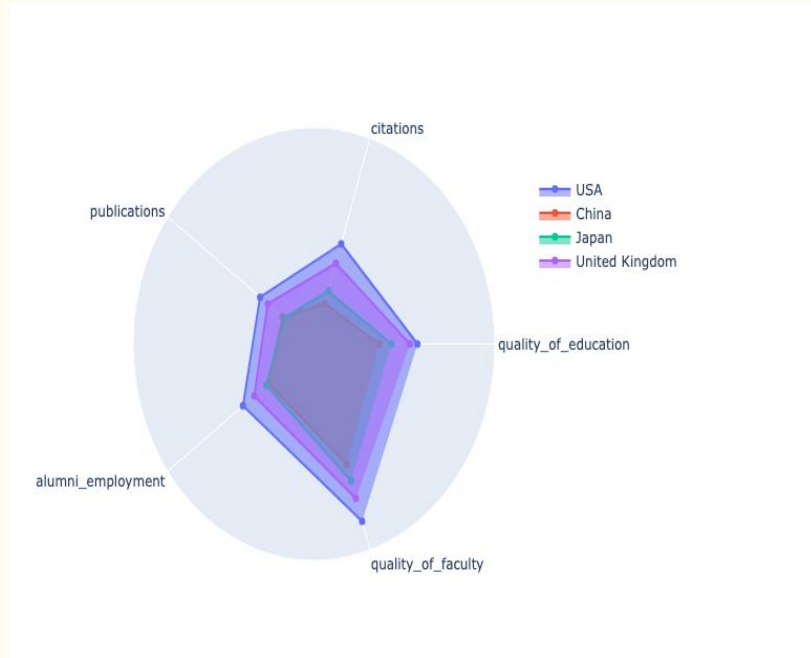
Normalized average educational spending between 2011 and 2016



Expenditures and rankings of different countries

Expenditure vs rankings for different countries

CWUR ranking parameters comparison



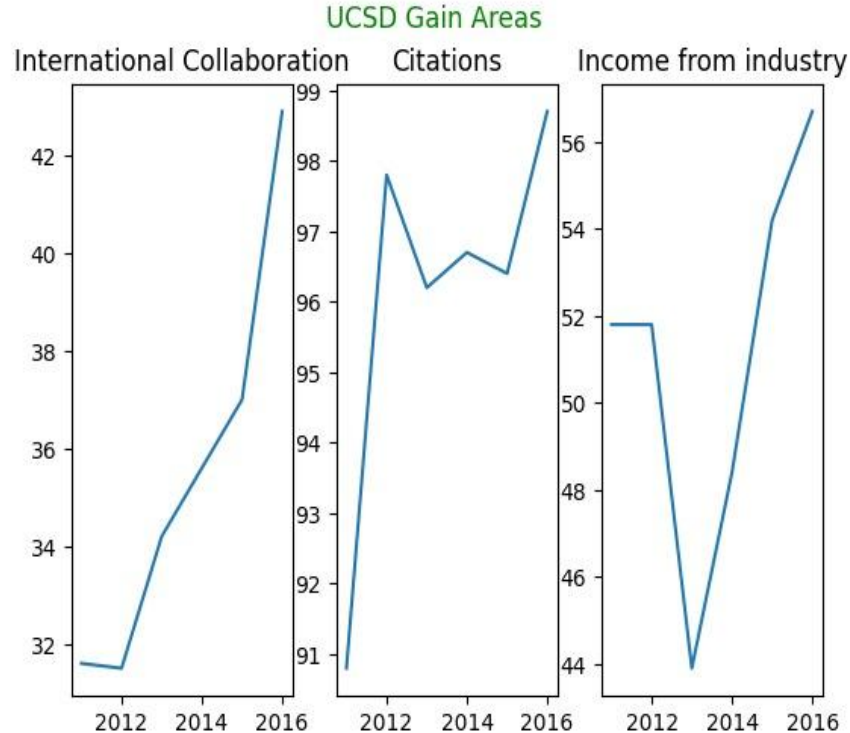
Overall, USA dominates the rankings.

ARWU ranking parameters comparison

What about UCSD?



UCSD Analysis



The San Diego Union-Tribune

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UC San Diego has 9th highest number of top scientists in the world and could soon pass MIT

UC San Diego professor Rob Knight is a world leader in the study of the microbiome, and co-founder of the American Gut Project, shown here in the Health Sciences Research Facility II. (K.C. Allred/ San Diego Union-Tribune)

UCSD Analysis

Conclusion

- Rankings are not consistent across websites
- Different websites give priorities to different factors.
- Increase in expenditure resulted in better rankings for some countries but there is no clear correlation.
- No clear trends in rankings across countries over time, but USA dominates the three different rankings.