Package: universityrankingafrica (via r-universe)

November 13, 2026

Title University Ranking Africa

Version 0.0.2

Description Data from institutional and national levels was combined into a dataset to provide a comprehensive characterization of the top ranked Universities of every African country. This was done to demonstrate the correlation of certain attributes with the academic ranking performance. The dataset also highlights the difficulties of accessing data from many African Universities online.

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Encoding UTF-8

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`african_countries` *African Countries*

Description

Database of African Countries with corresponding GDP and HDI data.

Usage

```
african_countries
```

Format

A tibble with 55 rows and 7 variables:

countries Name of the Country

region African Region where the Country is located

uni_count Number of Universities in the corresponding country

best_uni_rank Rank Africa of the best University of the country

gdp GDP of the country in 2021 (With a few exceptions for which the data is older). Source: ourworldindata.org

gdp_per_capita GDP per Capita of the country in 2021 (With a few exceptions for which the data is older). Source: ourworldindata.org

hdi Human Development Index of the country in 2021. Source: ourworldindata.org

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`ranking` *University Ranking Africa*

Description

Database of African Top Universities and observations of their rankings, type of courses, application process, part of international students and website funtions.

Usage

```
ranking
```

Format

A tibble with 141 rows and 26 variables:

university Name of the University

country Country where the University is located

city City where the University is located

ror_entry_correct Is the entry on the ror.org-website corresponding to the University correct? In most "n"-cases, the stated website is incorrect

url Official website of the University

website_secure Does the website use https? Is there no security related pop-up upon opening the website?

website_up_to_date Are news articles on the website up to date OR is the copyright date of the website the current year?

website_function Good: navigating through the website is smooth, no OR very few dead or redundant links. Medium: some dead links within the webpage, some placeholders ("lorem ipsum") still visible, some blank or empty pages. Poor: Navigating through the website is very difficult. Defunct: the official link of the university's website is no longer hosted, or is otherwise inaccessible. Note: Does NOT indicate how much information can be found on the website.

website_language Default language of the landing site

colonial_power The colonial Power from which the country gained independence, if it ever was colonized or became independent.

rank_africa The rank of the University in Africa, according to https://www.webometrics.info/en/Ranking_africa

rank_world The rank of the University in the World, according to https://www.webometrics.info/en/Ranking_africa

impact_rank The impact rank of the University, according to https://www.webometrics.info/en/Ranking_africa

openness_rank The openness rank of the University, according to https://www.webometrics.info/en/Ranking_africa

excellence_rank The excellence rank of the University, according to https://www.webometrics.info/en/Ranking_africa

academic_system Which academic system is used at the University: American (Undergraduate, Graduate, Doctorate) or French (LMD: Licence, Master, Doctorat)

engineering_courses The number of different undergraduate engineering courses the University offers.

years_of_study Stated duration of an undergraduate engineering degree. If the University doesn't offer engineering degrees, the duration of another undergraduate degree is indicated.

online_application Is there a possibility to apply for the University online? If no explicit method is stated to send the application online, it's considered as "no"

international_students Does the University give special information to interested foreign students on how to enter?

yearly_fee Required yearly tuition fee for a local student to complete a year of an undergraduate engineering degree at the University. If the University doesn't offer engineering degrees, the general tuition fee is indicated

masters_programme Does the University offer Master's programmes? (NOT only engineering)

online_payment Is there a possibility to pay University fees online? (either banking information, instructions or a direct link)

number_of_students If stated on the website, the number of students studying at the University

access_date Date the University website was accessed

remarks Personal notes on the University

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