



Rankings for Scientist

More Than a Ranking

Senegal's Universities and Research Institutions:

**Comprehensive Analysis of 11 Universities and
Institutions and 453 Scientists**

AD Scientific Index 2025



Senegal's Universities and Research Institutions: Comprehensive Analysis of 11 Universities and Institutions and 453 Scientists World Scientist and University Rankings 2025

(Total 2.626.021 scientist, 221 country, 24.513 university)

1. What is the AD Scientific Index (Alper-Doger Scientific Index)?

Developed in 2021 by **Prof. Dr. Murat Alper** and **Assoc. Prof. Dr. Cihan Döger**, the AD Scientific Index is an **independent and international ranking system** that provides a multidimensional evaluation of the academic performance of scientists and institutions. Key highlights include:

- **Original academic rankings, detailed analyses, and comparative results**
- A resource guiding **policy development** to enhance scientific contributions and productivity
- Analysis of 2.626.021 **scientists** and 24.513 **institutions** across **13 major academic fields** and **211 disciplines**, covering 221 **countries**
- **Data sourced from Google Scholar** and subjected to rigorous multi-stage filtering processes
- Evaluation based on **total and last six years' H-index, i10-index, and citation counts**. **Rankings are updated every few days, offering near real-time accuracy that reflects current academic performance.**

2. Why is the AD Scientific Index (Alper-Doger Scientific Index) Needed?

□ Most **international university rankings** consider parameters like:

- **Research productivity, impact, excellence**
- **Educational quality**
- **Faculty quality**
- **Research output**
- **Per capita performance**

□ Many of these rely heavily on **publication and citation counts** as key indicators of academic performance. However, these methods:

- Vary in **data sources** (e.g., SCIE, SSCI, InCites)

- Differ in what types of publications they count (articles, notes, conference papers, etc.)
- May emphasize **high-impact journals** (e.g., *Nature*, *Science*, *PNAS*)
- Often use **H-index**, top 5% journals by impact factor, total citations, and other indicators
- Frequently face **redundancy** (measuring the same aspect multiple times), leading to “indicator alignment”
- Rarely exceed coverage of **1,500-3,000 institutions** or **70-100 countries** due to these limitations

□ How AD Scientific Index Addresses These Gaps

- Focuses on **both total and six-year productivity** (H-index, i10-index, citation data)
 - Ranks **individual scientists** as well as **academic fields, institutions, and countries**
 - **Broad coverage** spanning countries, regions, institutions, disciplines, languages, and publication types
 - Ensures **equal opportunities** for comparison with a **fair and transparent** methodology
 - **No reliance on non-public or invisible parameters** in ranking formulas.
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3. What are the H-index and i10-index?

- **H-index:** Evaluates both productivity and citation impact. An H-index of h means the researcher has h papers each cited at least h times.
- **i10-index** (calculated by Google Scholar): Counts the number of publications with **at least 10 citations**.

These metrics:

- Offer insight into **consistent academic influence**
 - **Higher values** indicate more sustained impact
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4. The Importance of Last 6 Years Metrics

The AD Scientific Index places special emphasis on **Last 6 Years** metrics to reveal **recent academic performance**:

- **Total H-index, i10-index, citation count:** Show long-term academic impact
 - **Last 6 Years H-index, i10-index, citations:** Highlight **current contributions** and **relevance** in evolving fields
 - Focuses on **impact continuation** over the last six years, not just publication dates
 - Ensures **up-to-date perspective** in identifying leading contributors and institutions
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5. How Is the “AD Scientific Index” Different from Other

Rankings?

□ Multi-Dimensional Analysis

- **Comprehensive Metrics:** Integrates total and last-six-year H-index, i10-index, and citation counts to provide a **broad** and **balanced** picture of academic impact.
- **Layered Comparisons:** Enables evaluations at **global, continental, national, and city** levels, as well as **public** and **private** institutions, revealing both **long-term influence** and **current momentum**.

□ Focus on Individual Scientists

- **Foundation of Institutional Success:** Genuine **breakthroughs** and **reputation** stem from individual scientists.
- **Beyond Broad Factors:** While other rankings often focus on “international reputation” or “teaching quality,” the AD Scientific Index homes in on **concrete achievements**, emphasizing the **true** drivers of institutional excellence.

□ Accessible and Inclusive Data

- **Extensive Coverage:** Utilizes **publicly available** Google Scholar data, carefully screened, to assess researchers across every field, country, and type of institution.

□ Equal Opportunity

- **Fair Recognition:** Offers **equitable** acknowledgment to all scientists and institutions, **regardless of geographical or institutional background**.
- **Seamless Participation:** The system is **easy to join** on both individual and institutional levels, making academic performance **visible at every tier, in near real time**.

□ Democratic and Universal Approach

- **Global Level Playing Field:** Reflects how individual accomplishments shape the overall performance of institutions **worldwide**.
- **Commitment to Transparency:** Employs **impartial, reproducible** methods, ensuring **equal** conditions for prominent research universities and smaller colleges alike.

□ Identifying Misconduct

- **Guardian of Integrity:** Acts as an **early warning system** against plagiarism, unethical authorship (e.g., gift authorship), or excessive publication practices.
 - **Institutional and Individual Accountability:** Ensures that **authentic academic contributions** remain in the spotlight by uncovering ethical violations, safeguarding the **credibility** of researchers and institutions.
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6. Unique Features of the “AD Scientific Index”

□ Academic and Economic Independence

- Operates entirely free from external influences, ensuring that evaluations focus **exclusively** on academic merit.
- Maintains **objective** and **transparent** standards without commercial or political pressure.

□ Transparent and Rigorous Methodology

- Relies on **open-source**, verifiable data combined with **clearly defined** algorithms and weighting.
- Corrects errors within **one week** and strictly **upholds impartiality** to preserve credibility and accuracy.

□ Comprehensive Evaluation

- Provides **both total and last-six-year metrics** (H-index, i10-index, citations) for universities, institutions, hospitals, and companies.
- Allows stakeholders to assess **long-term trends** alongside **recent performance** at a glance.

□ Institutional Progress Analysis

- Monitors and analyzes **institutional development** over the last six years, highlighting growth trajectories and performance shifts.

□ Public vs. Private Comparison

- Offers **direct comparisons** among public universities, as well as with private universities, companies, hospitals, and research institutes.
- Illuminates **sector-wide benchmarks** for a broader context of academic achievement.

□ Scientific Ranking Distribution

- Examines **academic staff rankings** within each institution, showing percentile-based standings to pinpoint **individual and collective strengths**.

□ Individual Status Tracking

- Presents **detailed** profiles for researchers (H-index, i10-index, citations), delivering clear insights into each scholar’s **impact and influence**.

□ Global and Regional Rankings

- Encompasses **2.626.021 individuals** from 24.513 **institutions** across 221 **countries** and **10 regions**, covering a wide array of disciplines.
- Enables **branch-** and **sub-discipline-specific** evaluations for targeted insights. **individuals** from **institutions**,

□ Top List Reports

- Generates **country-level, regional, and global** top lists, serving as valuable resources for benchmarking and recognition.

□ Continuously Refreshed Rankings (Near Real-Time)

- Ensures **continuous** data refresh, with H index, i10 index and citation metrics updated **every 10-20 days** and rankings recalculated **every two days**.
- Offers users an **up-to-date** view of academic performance.

□ Valuing Feedback and Contributions

- Incorporates community input to **refine** the methodology and maintain **data accuracy**.
- Facilitates a **collaborative** approach that keeps rankings current and reliable.

□ Increased Visibility & Early Detection of Ethical Violations

- Sheds light on unethical practices (e.g., gift authorship, citation cartels, fake paper factories), promoting **academic integrity** through transparency.
- Helps **identify** and **address** potential misconduct **promptly**.

□ Art and Humanities Rankings & Social Sciences and Humanities Rankings

- Provides **dedicated rankings** that accurately represent these fields, leveraging Google Scholar's **broad coverage**.
- Ensures these disciplines receive **fair, detailed** visibility alongside STEM areas.

7. Comprehensive and Inclusive Data Source Strategy

Most ranking organizations use **Scopus, Web of Science, Google Scholar, or Nature Index**. Each has strengths and limitations.

□ Our Approach:

- **Global, practical, inclusive** methodology
- **Robust auditing** to mitigate data source limitations
- **Continuous data cleansing** (nearly 1 million profiles reviewed; many deleted)
- Ongoing quality improvements ensure increasingly accurate and up-to-date rankings, approaching real-time accuracy.

8. How Frequently Are AD Scientific Index Rankings Updated?

- **New entries, deletions, corrections** typically visible within **1-3 days**
- H-index, i10-index, and citation numbers are **updated every 15 days, while the**

ranking is refreshed every 2 days.

- Data primarily from **Google Scholar** with a focus on **standardizing names, institutions, and data**
 - **User contributions** to enhance data accuracy are always welcome
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9. Who Can Be Included in the List and How Does the Inclusion Process Work?

- AD Scientific Index currently includes data on **2.626.021 scientists** from 24.513 **institutions** across 221 **countries**. While these figures represent one of the broadest samples available globally, we would like to emphasize that listing all researchers with a public Google Scholar profile is not our objective, and such profiles are not automatically included in the system.

The primary ways to be included are:

- **Paid Individual or Institutional Registration:** Researchers and institutions who wish to ensure immediate inclusion may do so by registering through the **“Register”** link on our website.

We would like to kindly emphasize that **automatically including all publicly available Google Scholar profiles is not part of our model**, as it would compromise data quality and system sustainability. Maintaining the integrity of the index involves:

- Multi-layered verification of data accuracy
- Continuous updates to citation and index scores
- Ethical checks
- Monitoring of affiliation changes
- Tracking of institutional mergers, closures, and renamings
- Responsible handling of profiles of deceased individuals

Given these demands, we prioritize a **manageable, meaningful, and accessible data structure** over unlimited expansion. Our approach aims to provide **equitable representation** for countries and institutions worldwide within the boundaries of operational feasibility.

Additional reasons a profile may not appear or may be temporarily removed from the index include:

- **Hidden or Deleted Profiles:** If a previously listed profile is hidden or deleted, the associated metrics (e.g., h-index, i10 index, citation count) may be shown as zero or removed. If the profile becomes public again and has not been permanently deleted, previous scores are automatically restored.
- **Ethical Considerations:** In cases involving false authorship, retracted publications, citation manipulation, or fabricated content, profiles may be removed from the system—even if registered—without refund.
- **Voluntary Removal:** We respect researchers' preferences and remove profiles upon request.

As a result, **some researchers from a given institution may appear in the index while others do not**. This outcome reflects the structure and practical boundaries of the system, and **should not be perceived as a reflection of an individual's academic qualifications**.

Researchers and institutions who would like to increase their visibility are encouraged to explore our **individual or institutional registration** options based on their needs.

10. Is Registration Required to View Your Ranking?

- **Not required** to see your ranking in the AD Scientific Index. You can estimate your approximate ranking by looking at the rankings of individuals with similar scores. **Required** if you wish to be included **with all detailed elements** in the ranking
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11. How AD Scientific Index Ranks Scientists and Institutions?

□ Key Indicators

1. **Total H-index scores**
2. **Last 6 years' H-index scores**
3. **Total i10 index scores**
4. **Last 6 years' i10 index scores**
5. **Total number of citations**
6. **Number of citations in the last 6 years**

Ranking Criteria - Overview

Scientist and institution rankings in the AD Scientific Index are calculated based on multiple bibliometric indicators, with **Total H-index** serving as the primary ranking metric in most categories. General, Country, Regional, University, Branch, and Sub-Branch Rankings.

□ **Total H-index Rankings**

Used in: Measures cumulative scientific impact and productivity.

Ranking order:

1. Total H-index
2. Last 6 Years' H-index
3. Total i10 Index
4. Total Citations

□ **Last 6 Years' H-index Rankings**

Measures short-to-mid-term academic performance and sustained impact.

Ranking order:

1. Last 6 Years' H-index
2. Last 6 Years' i10 Index
3. Total H-index
4. Citations in the Last 6 Years

□ **Total i10 Index Rankings**

Measures: Reflects the consistency of influential scholarly output.

Ranking order:

1. Total i10 Index
2. Last 6 Years' i10 Index
3. Total H-index
4. Total Citation Counts

□ **Last 6 Years' i10 Index Rankings**

Measures recent sustained academic productivity and recognition.

Ranking order:

1. Last 6 Years' i10 Index
2. Last 6 Years' H-index
3. Total i10 Index
4. Citations in the Last 6 Years

□ **Total Citations Rankings**

Captures total scientific reach and academic recognition.

Ranking order:

1. Total Citation Counts
2. Citations in the Last 6 Years
3. Total i10 Index
4. Last 6 Years' i10 Index

□ **Citations in the Last 6 Years Rankings**

Indicates present-day influence and citation activity.

Ranking order:

1. Citations in the Last 6 Years
2. Total Citation Counts
3. Last 6 Years' i10 Index
4. Total i10 Index

Institutions are also ranked by these criteria at **national, regional, and global** levels.

▣ Studies Influencing Ranking Due to High Citation Numbers

- For unusually high citations (e.g., **CERN, ATLAS, ALICE, CMS**), authors are marked with an **asterisk “i”** to indicate this distinction.
 - An **alternative list** excludes these studies to ensure balanced rankings.
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12. Why Are Last 6 Years' Ratios Important?

- Reflect **recent productivity and influence**
 - Indicate **impact** of **individual performance** and **institutional policies**
 - Provide a **clear view** of modern academic contributions
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13. Subject Rankings: Which Subjects are Ranked in the AD Scientific Index?

The Index covers **211 sub-disciplines** across various major fields:

- **Agriculture & Forestry**: 15 subfields
- **Architecture & Design**: 4 subfields
- **Business & Management**: 8 subfields
- **Economics & Econometrics**: 6 subfields
- **Education**: 11 subfields
- **Engineering & Technology**: 26 subfields
- **History, Philosophy, Theology**: 3 subfields
- **Law / Legal Studies**: 12 subfields
- **Medical and Health Sciences**: 80 subfields
- **Natural Sciences**: 6 subfields
- **Social Sciences**: 22 subfields
- **Social Sciences and Humanities**: 50 subfields
- **Art and Humanities**: 6 subfields

This **meticulous categorization** aligns with **university departments**, enabling **precise** analysis of academic impact.

14. How Universities Are Ranked in the AD Scientific Index?

- Rankings are based on the **distribution** of scientists within **top percentile ranges** (top % 10, %20, %40, %60, % 80, 90% percentiles and total scientists).
- If two institutions have the **same number** of scientists in a range, the **next percentile range** is considered.
- If a tie persists, the institution with the **higher total number of individual scientists**

ranks higher.

- Covers 24,513 **institutions** across:
 - **Total H-index**
 - **Last 6 Years H-index**
 - **Total i10 index**
 - **Last 6 Years i10 index**
 - **Total citations**
 - **Last 6 Years citations**

This approach helps institutions **assess strengths, identify areas for improvement**, and supports **cross-border transfer** or **graduation equivalency** evaluations.

15. Young University/Institution Rankings

- Focuses on institutions **established within the last 30 years**. The ranking is formed **by applying the university ranking only among institutions established within the last 30 years**. Demonstrates **global standing** of these “young” entities. Identifies **strengths and weaknesses** to shape future policies
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16. Social Sciences and Humanities Rankings - The AD Scientific Index Advantage

✓ **Exclusive Ranking for Social Sciences & Humanities** - Covers fields such as **Business & Management, Economics & Econometrics, Education, History, Philosophy, Theology, Law, and Social Sciences**.

✓ **No Overshadowing by STEM Fields** - **Medicine, Engineering, and Natural Sciences** are **excluded**, ensuring that institutions and scholars in Social Sciences & Humanities receive a **fair and unbiased evaluation**.

✓ **A Balanced and Unique Ranking Approach** - Unlike traditional rankings dominated by STEM disciplines, this ranking **highlights the real academic impact of Social Sciences & Humanities**, ensuring that institutions and researchers in these fields get the visibility they deserve.

✓ **Comprehensive Performance Metrics** - Rankings are conducted at **both institutional and individual levels**, based on **H-index, i10-index, and citation data**, providing a **data-driven and objective assessment of academic excellence**.

✓ **The AD Scientific Index Advantage:** With regularly refreshed data, a transparent methodology, and a strong focus on academic impact, this ranking ensures that achievements in Social Sciences & Humanities are properly recognized.!

17. Art and Humanities Rankings

- Specialized ranking for **History, Philosophy, Theology, Linguistics and Literature, Archaeology, and Arts**
 - Ensures **achievements in arts and humanities** are recognized
 - Provides **balanced evaluation** free from STEM dominance
 - Explorable at **institutional** and **individual** levels (H-index, i10 index, citations)
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18. 360° Real-Time Institutional Analysis

Find out where your university stands in global rankings with real-time data and gain key insights. Compare your position, strengths, and weaknesses in real-time against 24.513 universities worldwide at city, national, regional, and global levels. **Benchmark against similar institutions across 13 major fields. Identify the most suitable scholars for your strategic transfer goals with a data-driven approach, and gain a competitive edge.** [Start Exploring for Free & Gain Insights Now!](#)

19. Pricing Policy

□ Free Services

- **No charge** for accessing individual and institutional rankings via the **main category pages**
- **Most comprehensive academic data** (for individuals and institutions) is **freely accessible** on AD Scientific Index

□ Premium Services

- **One-time fee** (covering three years) for:
 - More **comprehensive analyses**
 - Ability to **input and modify** data on Scientist and Institution pages
 - **Full control** over your academic profile
- **Differentiated pricing** based on **income levels** of countries
- **Strict deletion policy** for unethical or misleading profiles applies to **all** users (including paid)

We remain **academically and economically independent**, offering unbiased services to the academic community.

20. Privacy - Data Policy

- We respect **personal rights** and **data deletion requests**.
- **Click here** for more information on our privacy and data policies.

20. Contact

21. FAQ Frequently Asked Questions and Answer

360° Real-Time Institutional Analysis

Strategic Intelligence to Shape Your Academic Future

□ Propel Your Institution to the Pinnacle of Global Academia

Submit Request

□ Transform Your Academic Power — Stay Ahead of the Competition

Instantly see where your institution stands among **24.505** universities worldwide.

Gain strategic insights, enhance your rankings, and surpass competitors with real-time, data-driven decisions.

□ Aligned with Global Higher Education Excellence Frameworks

Aligned with Global Higher Education Excellence Frameworks

Whether your institution seeks to excel under India's **NIRF** and **NAAC**, Brazil's **CAPES**, Mexico's **CONACYT**, the USA's **Carnegie Classification**, the UK's **Research Excellence Framework (REF)**, Australia's **ERA**, Japan's

Table I. Scientists in Senegal: Ranking and Analysis

#	Country	Country Region Rank	Country World Rank	Total Institutions	Total Scientist
1	Senegal	30	142	11	453

Table II. All Types of Institutions in Senegal: Ranking and Analysis

#	Institution	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Université Cheikh Anta Diop de Dakar	1	191	5315	Senegal	Public	1957	0	2	16	34
2	Université Gaston Berger de Saint Louis	2	378	9273	Senegal	Public	1990	0	0	5	9
3	Université Assane SECK de Ziguinchor	3	539	11093	Senegal	Public	2007	0	0	1	3
4	Université Virtuelle du Sénégal	4	625	12297	Senegal	Public	2013	0	0	1	1
5	University Sine Saloum El Hadji Ibrahima NIASS	5	639	12576	Senegal	Public	2013	0	0	1	2
6	African Institute for Mathematical Sciences	6	651	12868	Senegal	Institution	2003	0	0	1	1
7	Université Alioune DIOP de Bambey	7	711	13594	Senegal	Public	2007	0	0	0	1
8	Ecole Polytechnique de Thies	8	829	15316	Senegal	Public	1973	0	0	0	1
9	Université Amadou Mahtar Mbow de Dakar	9	842	15442	Senegal	Public	2012	0	0	0	1
10	Institute for Security Studies	10	858	15657	Senegal	Institution	1991	0	0	0	0
11	Université de Thiès	11	918	16621	Senegal	Public	2007	0	0	0	0

Table III. Universities in Senegal: Comprehensive Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Type of Institution	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Université Cheikh Anta Diop de Dakar	1	162	3528	Senegal	Public	1957	0	2	16	34
2	Université Gaston Berger de Saint Louis	2	313	6330	Senegal	Public	1990	0	0	5	9
3	Université Assane SECK de Ziguinchor	3	449	7754	Senegal	Public	2007	0	0	1	3
4	Université Virtuelle du Sénégal	4	520	8721	Senegal	Public	2013	0	0	1	1
5	University Sine Saloum El Hadji Ibrahima NIASS	5	533	8954	Senegal	Public	2013	0	0	1	2
6	Université Alioune DIOP de Bambey	6	588	9683	Senegal	Public	2007	0	0	0	1
7	Ecole Polytechnique de Thies	7	689	11151	Senegal	Public	1973	0	0	0	1
8	Université Amadou Mahtar Mbow de Dakar	8	698	11260	Senegal	Public	2012	0	0	0	1
9	Université de Thiès	9	765	12244	Senegal	Public	2007	0	0	0	0

Table IV. Public Universities in Senegal: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Université Cheikh Anta Diop de Dakar	1	143	2730	Senegal	1957	0	2	16	34
2	Université Gaston Berger de Saint Louis	2	260	4292	Senegal	1990	0	0	5	9
3	Université Assane SECK de Ziguinchor	3	357	5087	Senegal	2007	0	0	1	3
4	Université Virtuelle du Sénégal	4	406	5570	Senegal	2013	0	0	1	1
5	University Sine Saloum El Hadji Ibrahima NIASS	5	411	5670	Senegal	2013	0	0	1	2
6	Université Alioune DIOP de Bambey	6	447	6057	Senegal	2007	0	0	0	1
7	Ecole Polytechnique de Thies	7	514	6759	Senegal	1973	0	0	0	1
8	Université Amadou Mahtar Mbow de Dakar	8	519	6807	Senegal	2012	0	0	0	1
9	Université de Thiès	9	557	7272	Senegal	2007	0	0	0	0

Table V. Private Universities in Senegal: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
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Table VI. Young Universities in Senegal: Ranking and Analysis

#	University	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	Université Assane SECK de Ziguinchor	3	449	7754	Senegal	2007	0	0	1	3
2	Université Virtuelle du Sénégal	4	520	8721	Senegal	2013	0	0	1	1
3	University Sine Saloum El Hadji Ibrahima NIASS	5	533	8954	Senegal	2013	0	0	1	2
4	Université Alioune DIOP de Bambey	6	588	9683	Senegal	2007	0	0	0	1
5	Université Amadou Mahtar Mbow de Dakar	8	698	11260	Senegal	2012	0	0	0	1
6	Université de Thiès	9	765	12244	Senegal	2007	0	0	0	0

Table VII. Institutions in Senegal: Ranking and Analysis

#	Institution	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
1	African Institute for Mathematical Sciences	1	102	2491	Senegal	2003	0	0	1	1
2	Institute for Security Studies	2	134	2748	Senegal	1991	0	0	0	0

Table VIII. Companies in Senegal: Ranking and Analysis

#	Company	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
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Table IX. Hospitals in Senegal: Ranking and Analysis

#	Hospital	Country Rank	Region Rank	World Rank	Country	Founded	Scientists in World Top 3%	Scientists in World Top 10%	Scientists in World Top 20%	Scientists in World Top 30%
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