

# UNIVERSITY SUCCESS ANALYSIS

Country Analysis

University Analysis

Ranking Analysis

Yearly Analysis

**COUNTRY ANALYSIS:** The analysis reveals the United States as a dominant force in higher education, boasting a concentration of universities, a top destination for international students, and the highest enrollment of female students. The country also leads in the number of top-ranked universities globally. Interestingly, university rankings show no consistent trend across countries, highlighting the dynamic nature of higher education landscapes worldwide. The diversity in university rankings underscores the unique strengths and characteristics of educational systems in different parts of the world.

**UNIVERSITY ANALYSIS:** The university analysis emphasizes the United States' leading position in higher education, with a significant number of top-ranked institutions globally, showcasing its academic excellence. Furthermore, the shifting trends in university rankings across countries underscore the dynamic nature of the global higher education landscape. This dynamism reflects the unique strengths and characteristics that contribute to the rich diversity of educational systems worldwide.

**RANKING ANALYSIS:** The ranking analysis spotlights the United States' dominance in higher education, marked by a substantial number of top-ranked universities globally. This underscores the country's academic excellence and its influential role in the global education landscape. Additionally, the analysis delves into the distribution of universities by each ranking system and identifies which ranking is most preferred by international and female students, providing valuable insights into university preferences among diverse student demographics.

**YEARLY ANALYSIS:** The annual university analysis reveals changing trends in higher education, covering enrollment, international student preferences, and university rankings. This concise snapshot provides insights into the dynamic global education landscape, showcasing evolving priorities. It serves as a valuable tool for understanding yearly shifts in the sector.

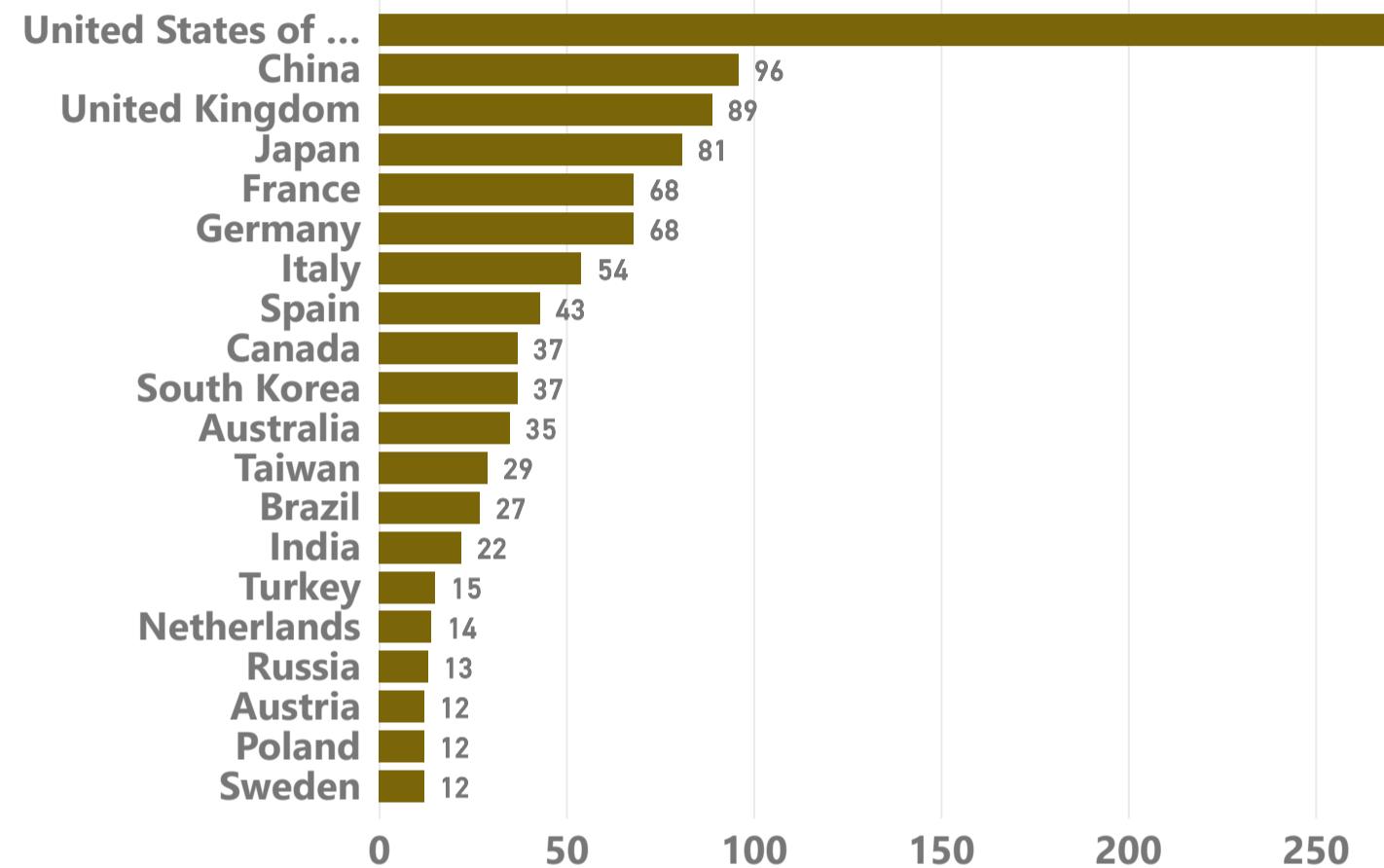


# COUNTRY ANALYSIS

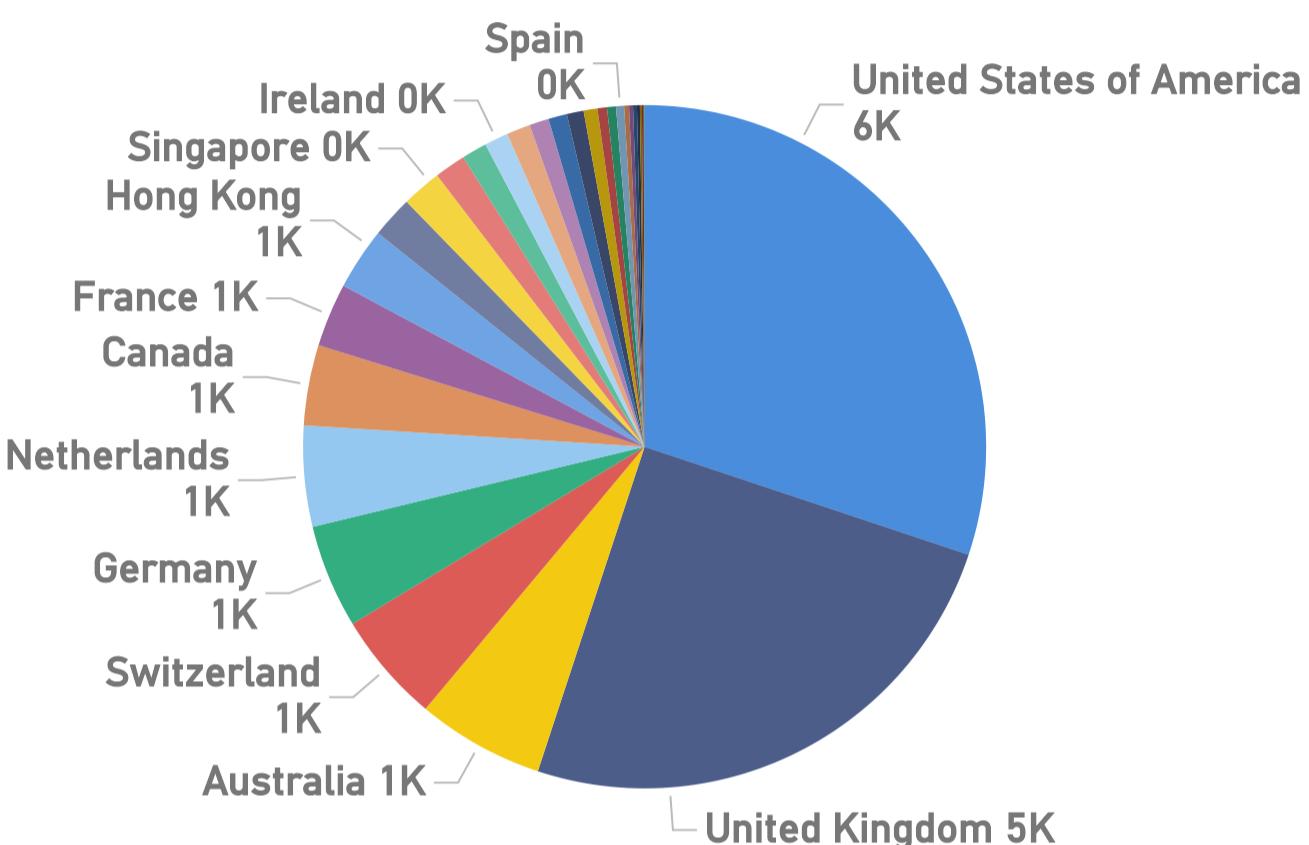


Argentina Australia Austria Bangladesh Belarus Belgium Brazil Bulgaria Canada Chile China Colombia Croatia >

## Country-wise University Count Analysis



## Pct of Int'l Students by Country



## Count Of University

1247

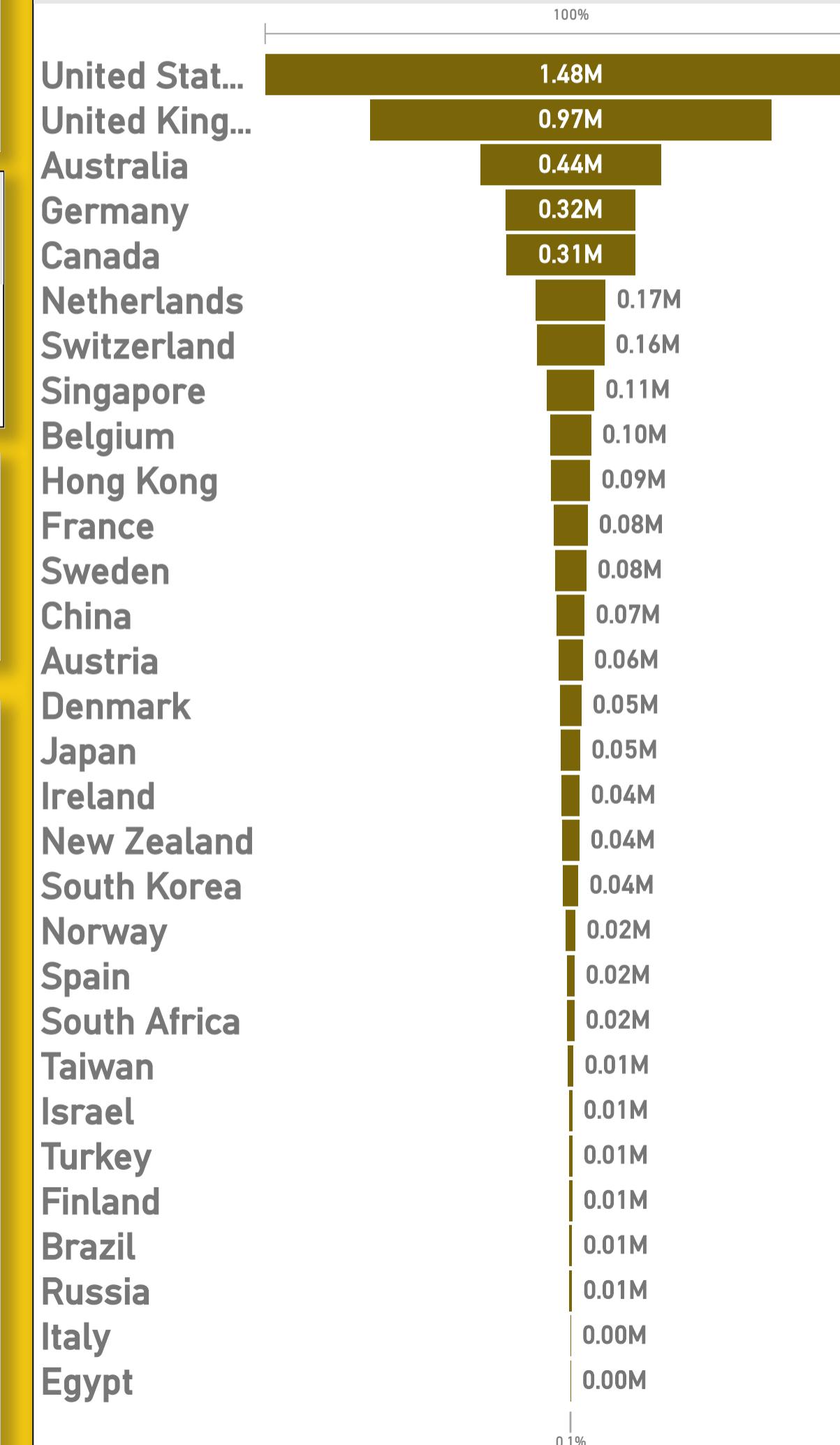
Total International Student

4.78M

Total Female Student

12.02M

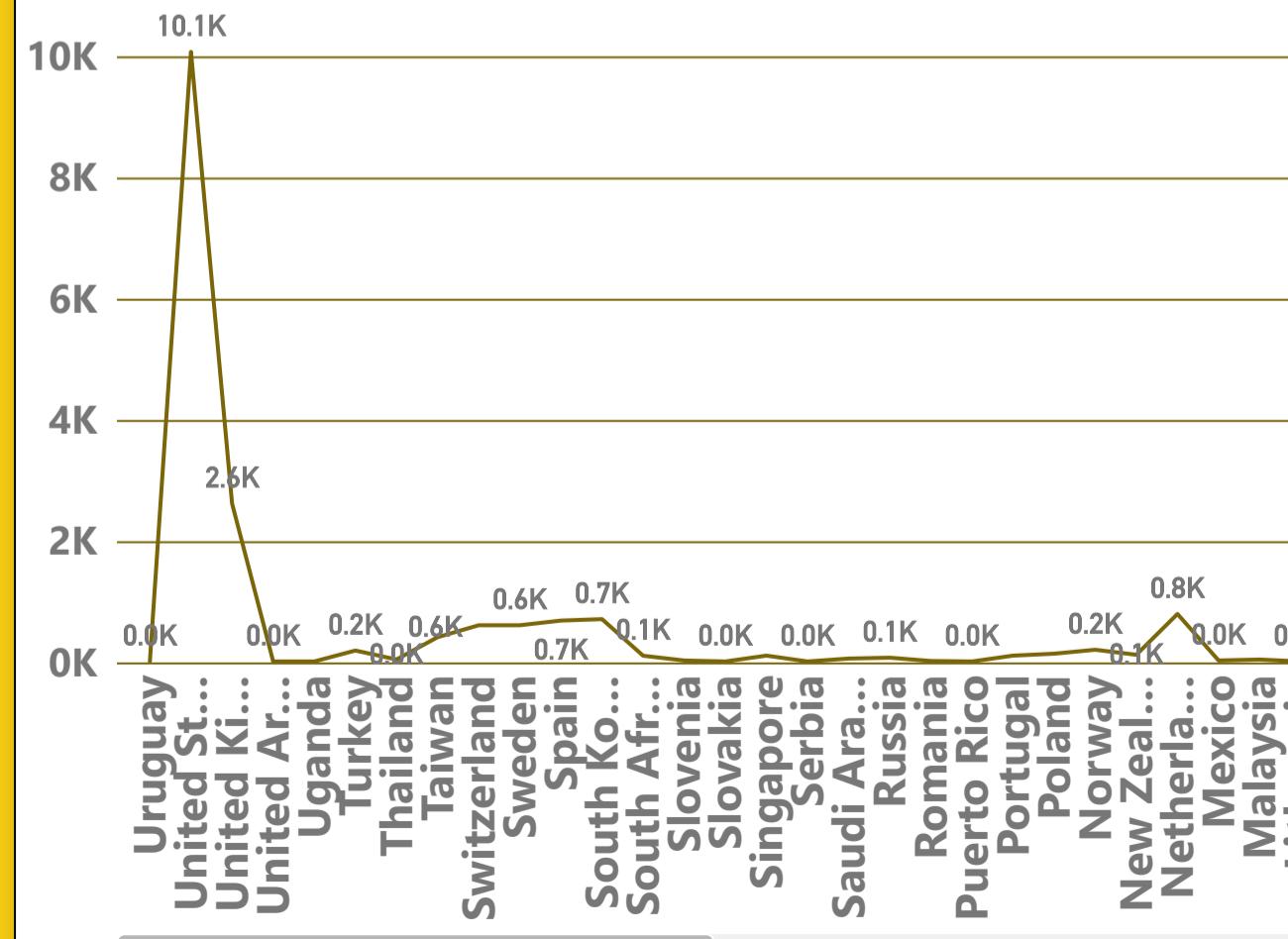
## Total Int'l Students by Country



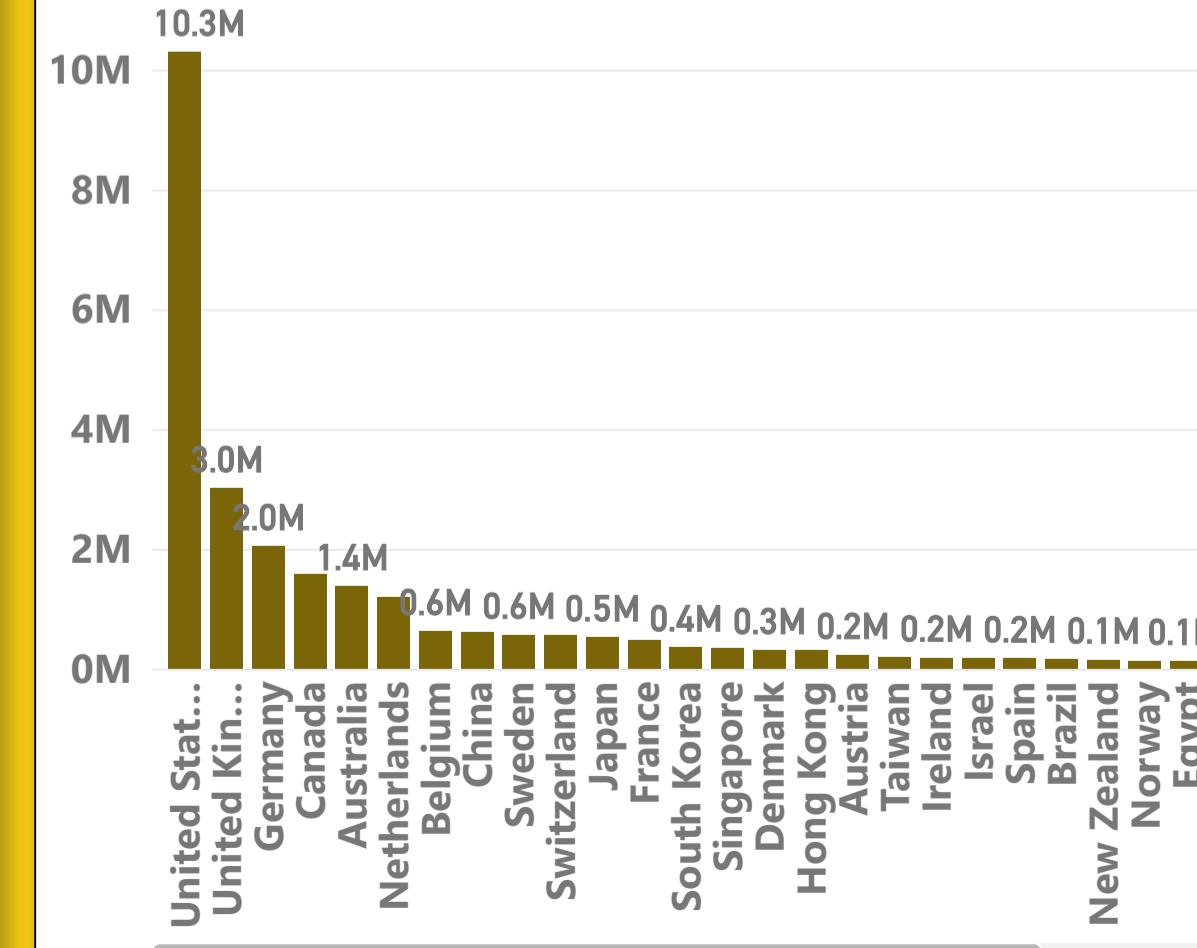
## Total Female Student Count by Country Analysis

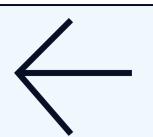
Country	Total Students
United States of America	4,932,361.63
United Kingdom	1,601,481.83
Germany	910,780.97
Australia	732,340.79
Canada	691,623.44
Netherlands	616,589.94
Belgium	343,649.94
Switzerland	238,675.93
<b>Total</b>	<b>12,016,73...</b>

## University Ranking Count by Country

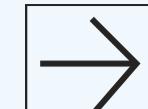


## Total Student Count by Country





# UNIVERSITY ANALYSIS



Ä...bo  
Akademi  
University

Ä%cole  
centrale de  
Lyon

Ä%cole  
Centrale Paris

Ä%cole  
Normale  
SupÄ©rieure

Ä%cole  
normale  
supÄ©rieure -  
Paris

Ä%cole  
normale  
supÄ©rieure  
de Cachan

Ä%cole  
normale  
supÄ©rieure  
de Lyon

Ä%cole  
Polytechnique  
de MontrÃ©al

Ä%cole  
Polytechnique  
FÃ©dÃ©rale  
de Lausanne

Aalborg  
University

Aalto  
University

Aarhus  
University

Aberystwyth  
University

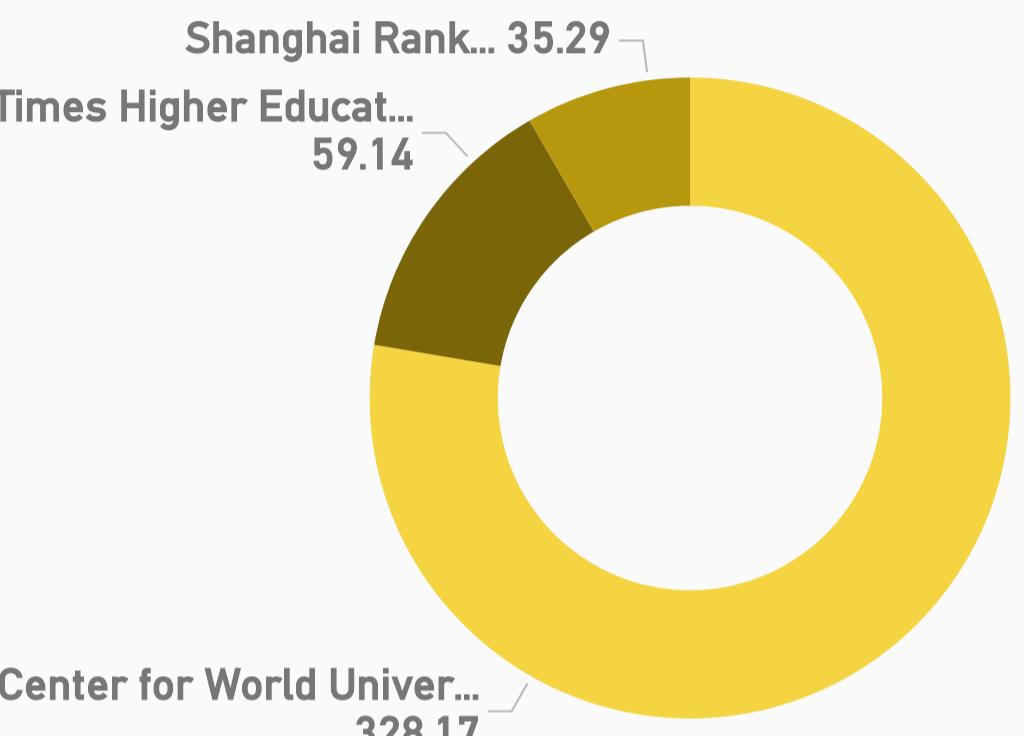
Adam  
Mickiewicz  
University

Adam  
Mickiewicz  
University in  
PoznaÅ„

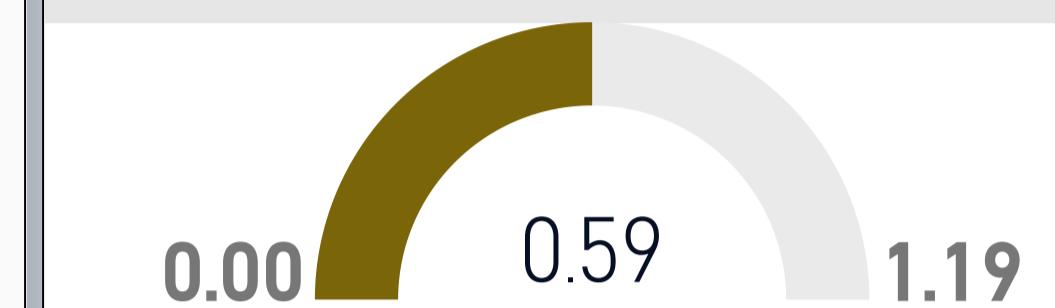
AGH  
University of  
Science and  
Technology



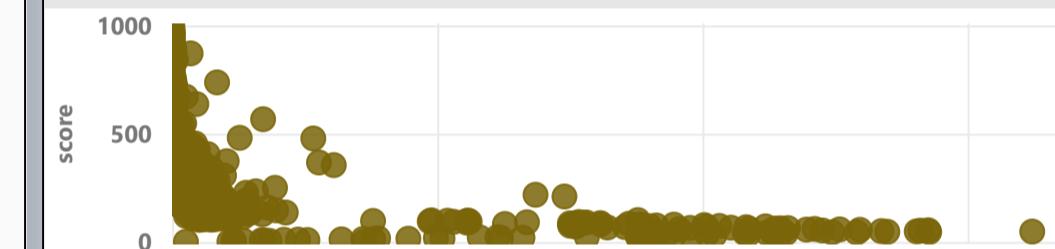
## University Performance Analysis by Ranking



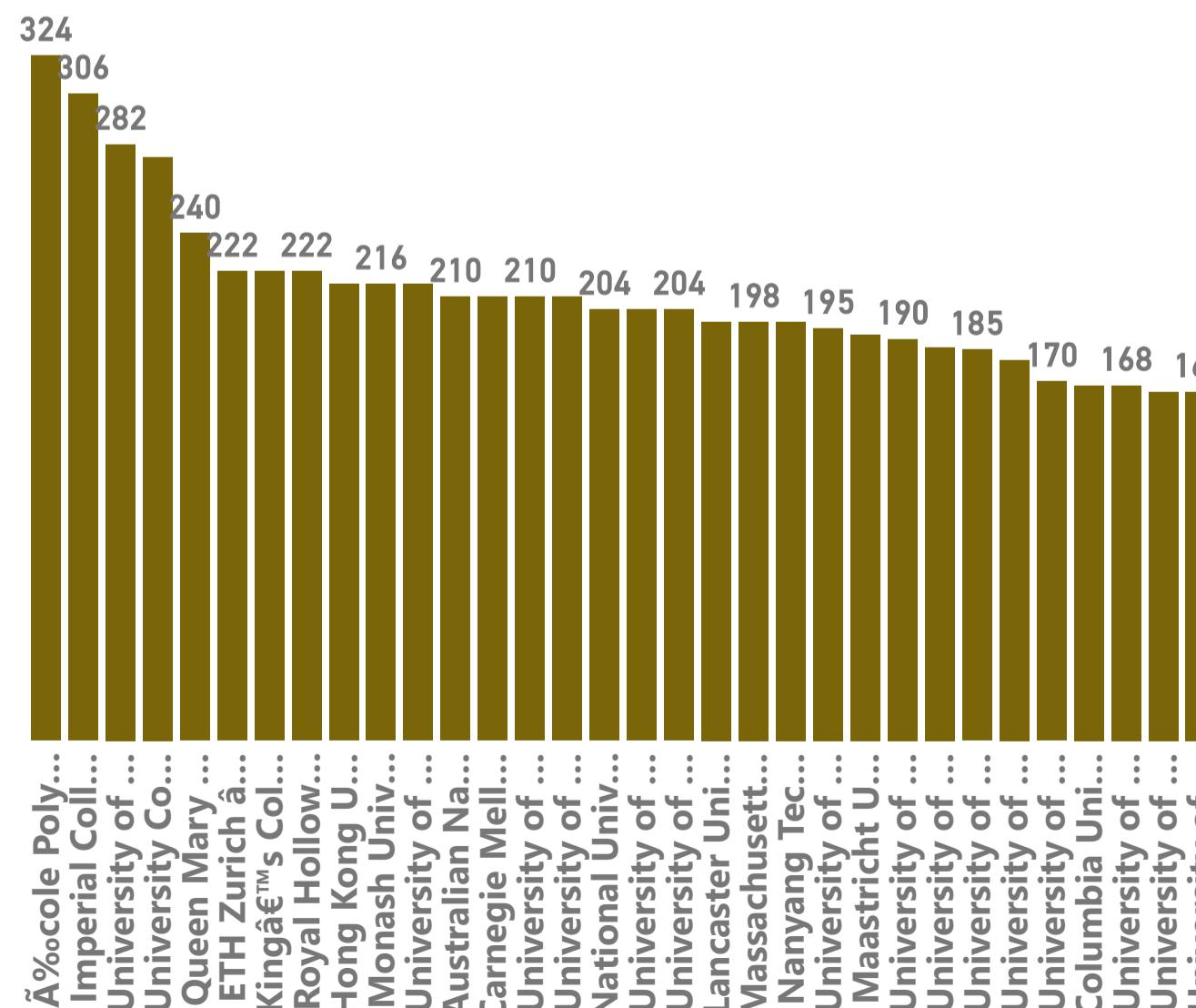
## University Score vs. Total Int'l Student Correlation



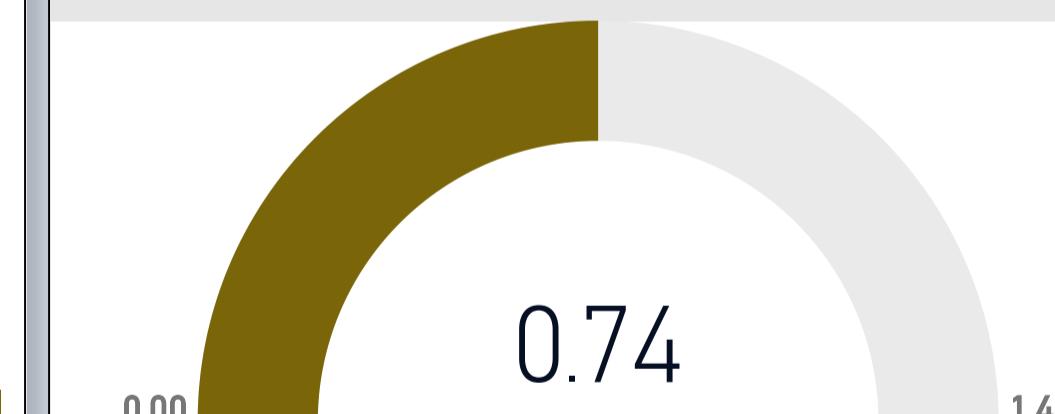
### Total International Students vs. University Score



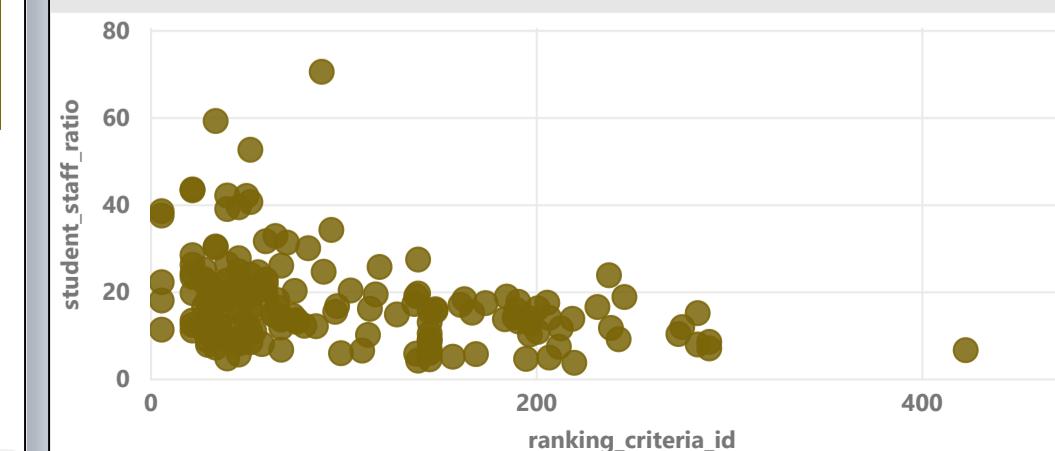
## Pct of International Students by University



## Ranking Criteria vs. Student-Staff Ratio Correlation



### Correlation: Ranking Criteria by Student-Staff Ratio



## Total Student By University

University	Total students
Arizona State University	499416
University of Massachusetts	341754
University of Toronto	330990
Indiana University	312340
Monash University	305292
University of British Columbia	300912
Pennsylvania State University	267006
...	...
<b>Total</b>	<b>26050855</b>

## Total Student

26M

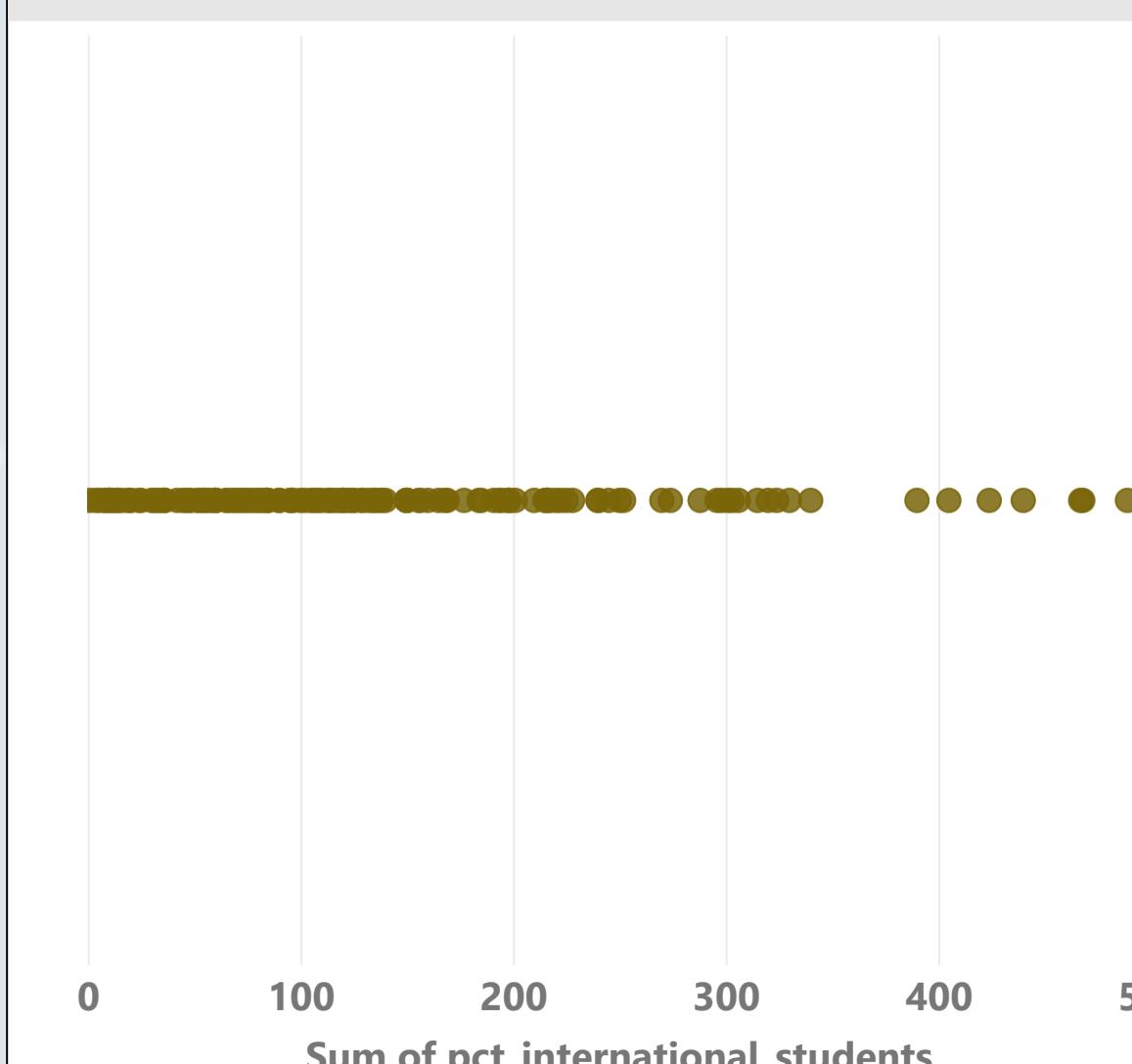
## Total International Student

4.78M

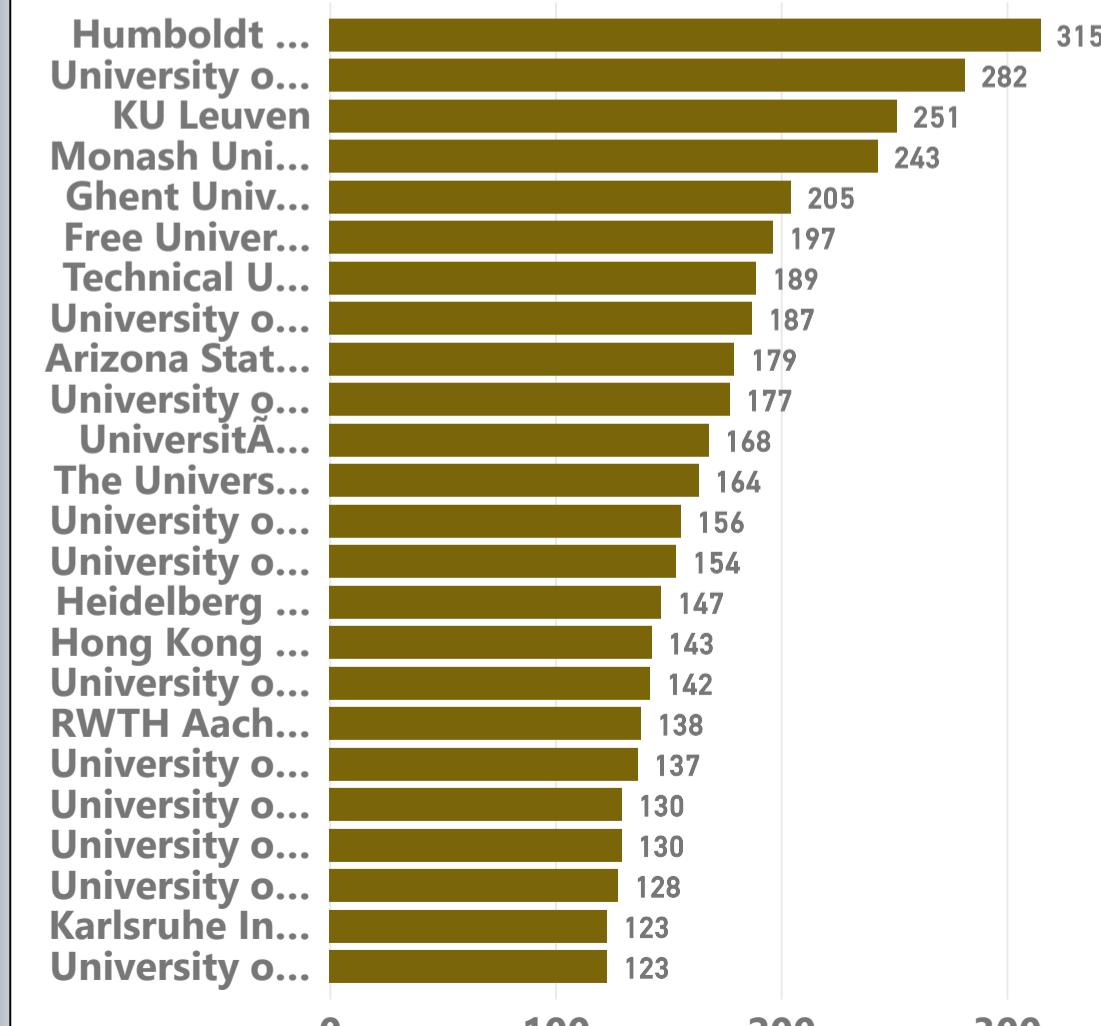
## Total Female Student

12.02M

## International Students vs. University Student-Staff Ratio

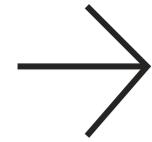


## University Student-Staff Ratio Analysis





# RANKING ANALYSIS

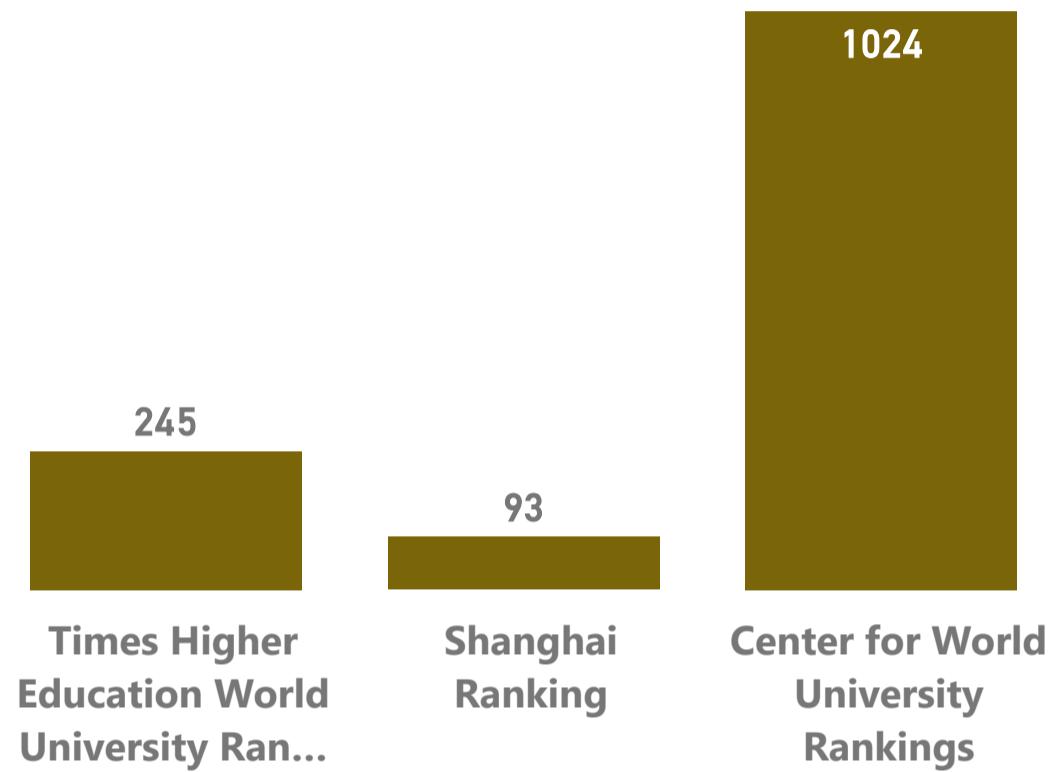


Center for World University Rankings

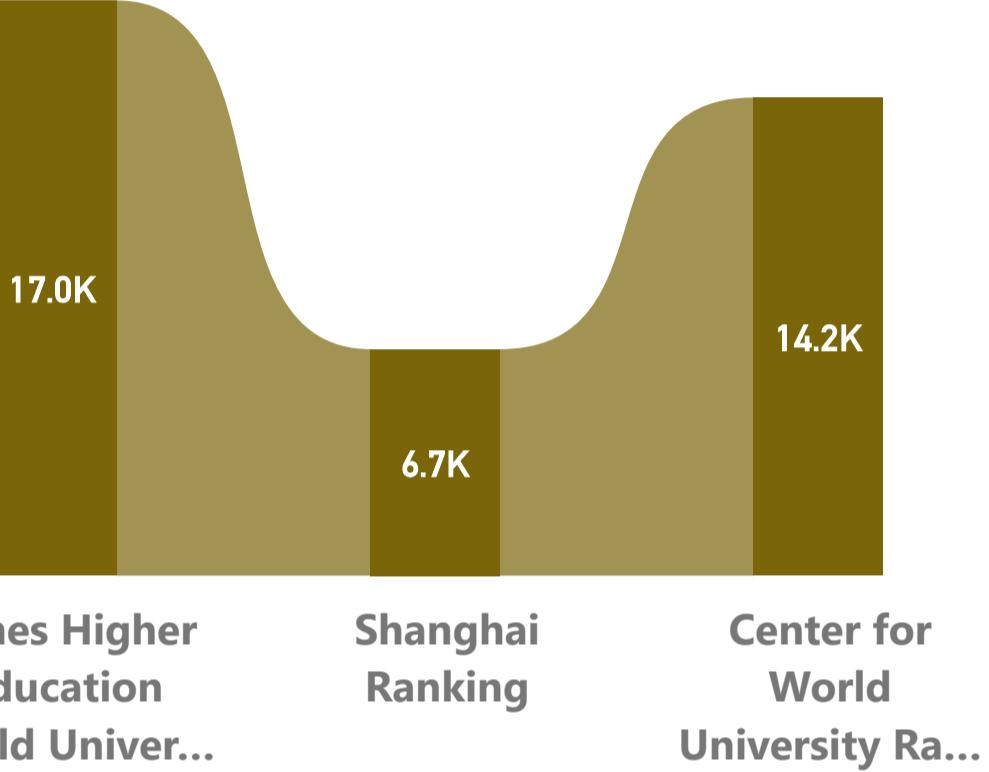
Shanghai Ranking

Times Higher Education World University Ranking

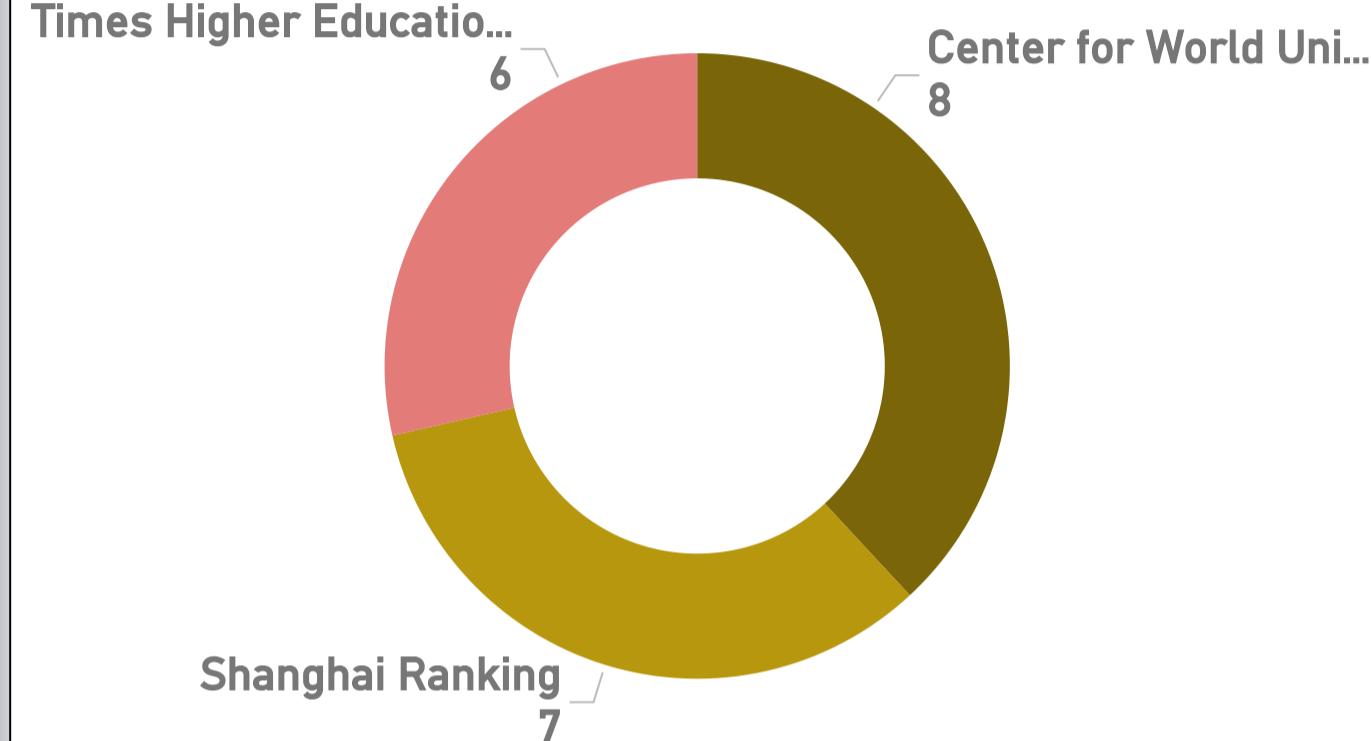
## University Count by Rankings



## Student-to-Staff Ratio by Rankings



## Aggregate Criteria by Ranking



## Ranking Score

6M

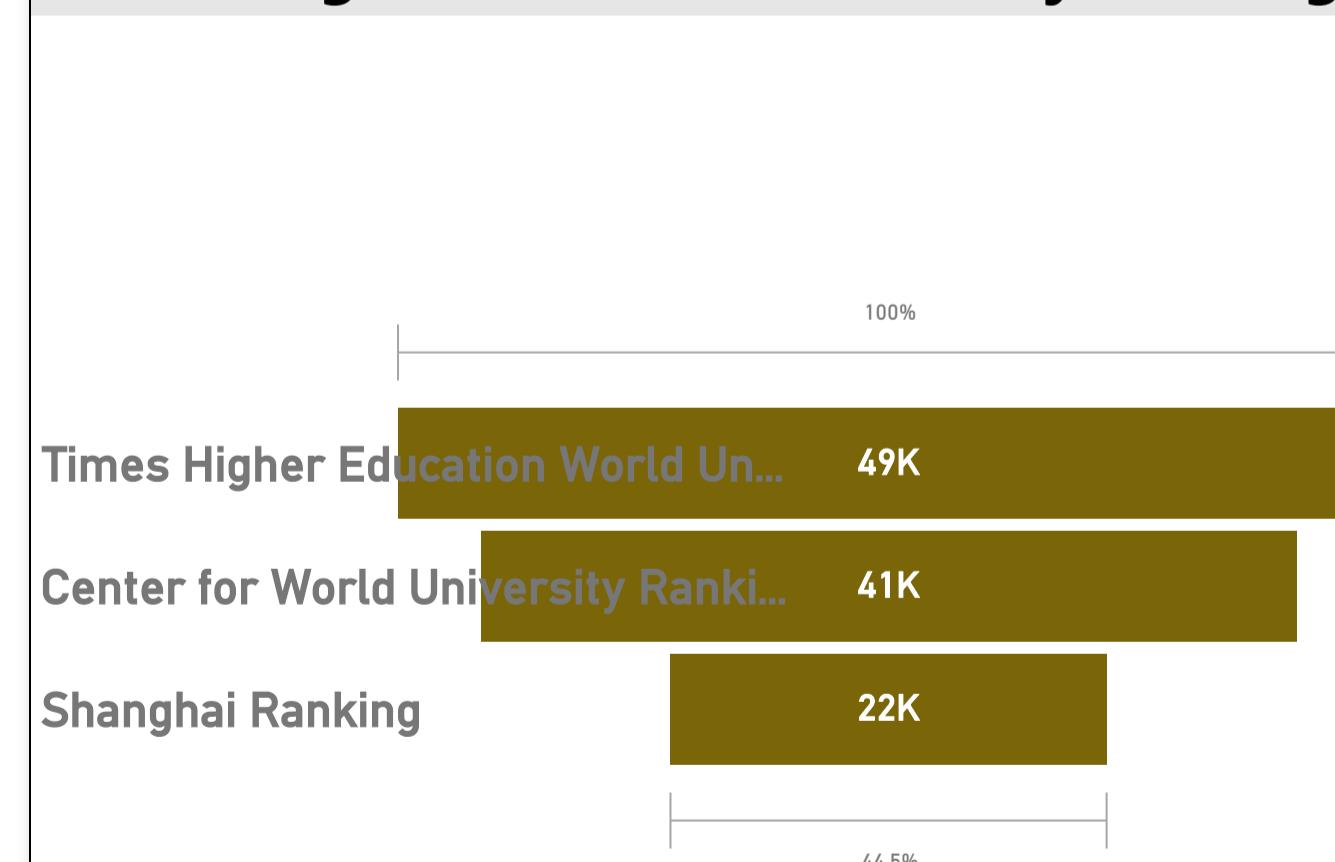
Best Year

2016

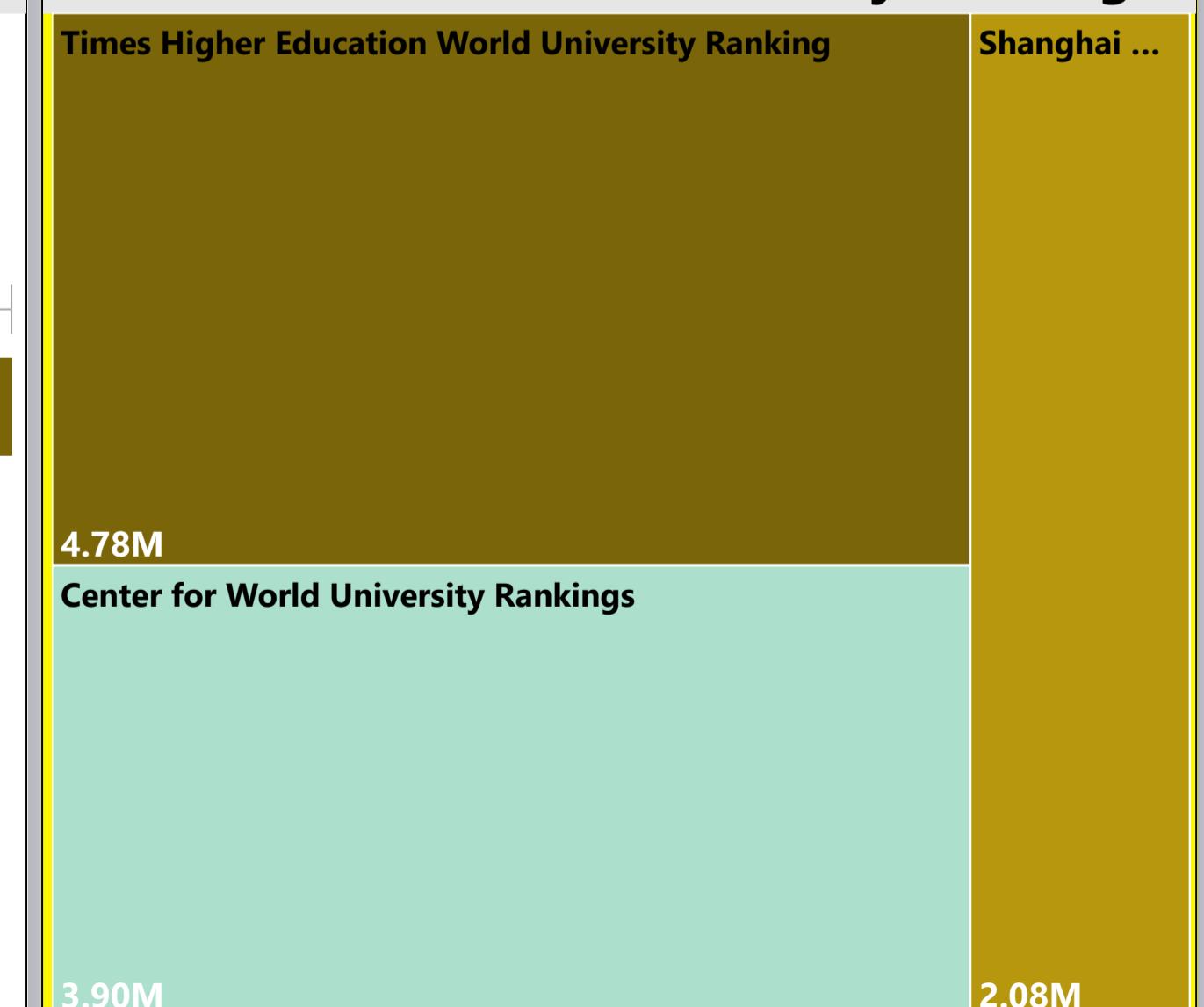
Top Country

Argentina

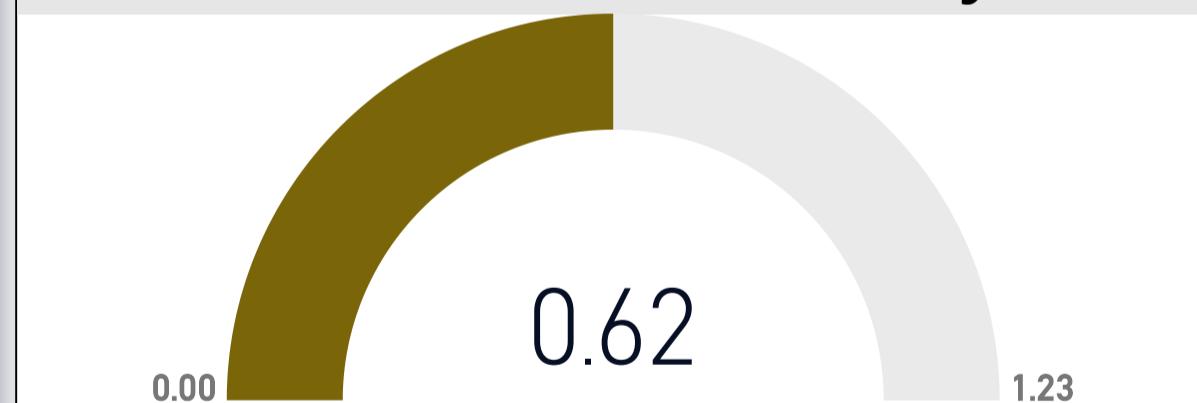
## Percentage of Female Students by Rankings



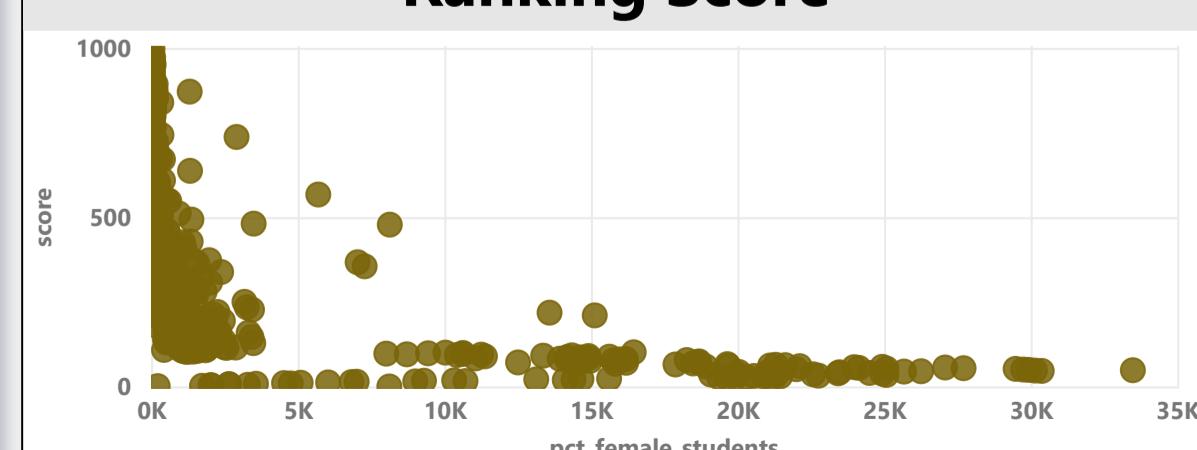
## Total International Students by Rankings



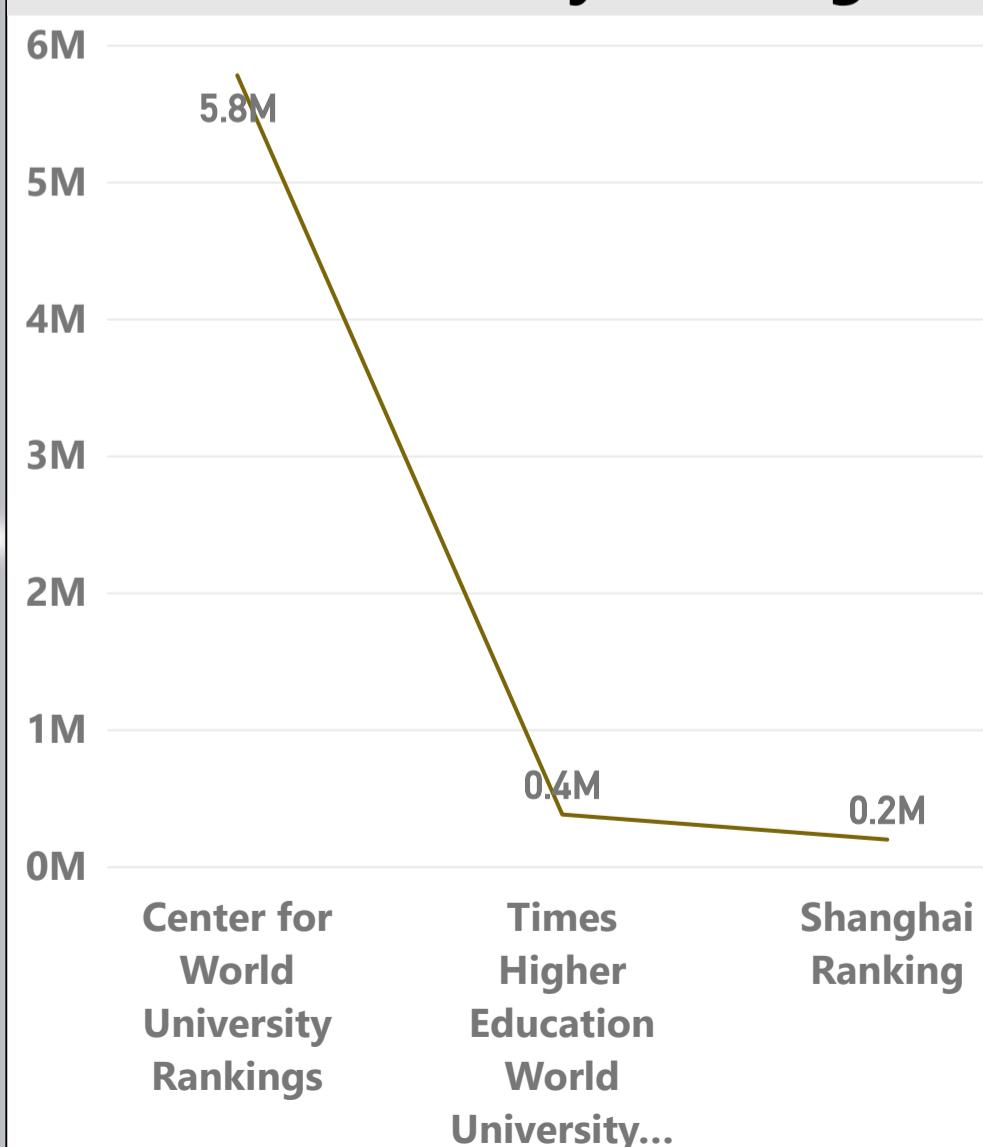
## Correlation between Ranking Score and Pct of Female Students by Year



## Percentage of Female Students by Ranking Score



## Total score by Ranking





# YEARLY ANALYSIS



2011

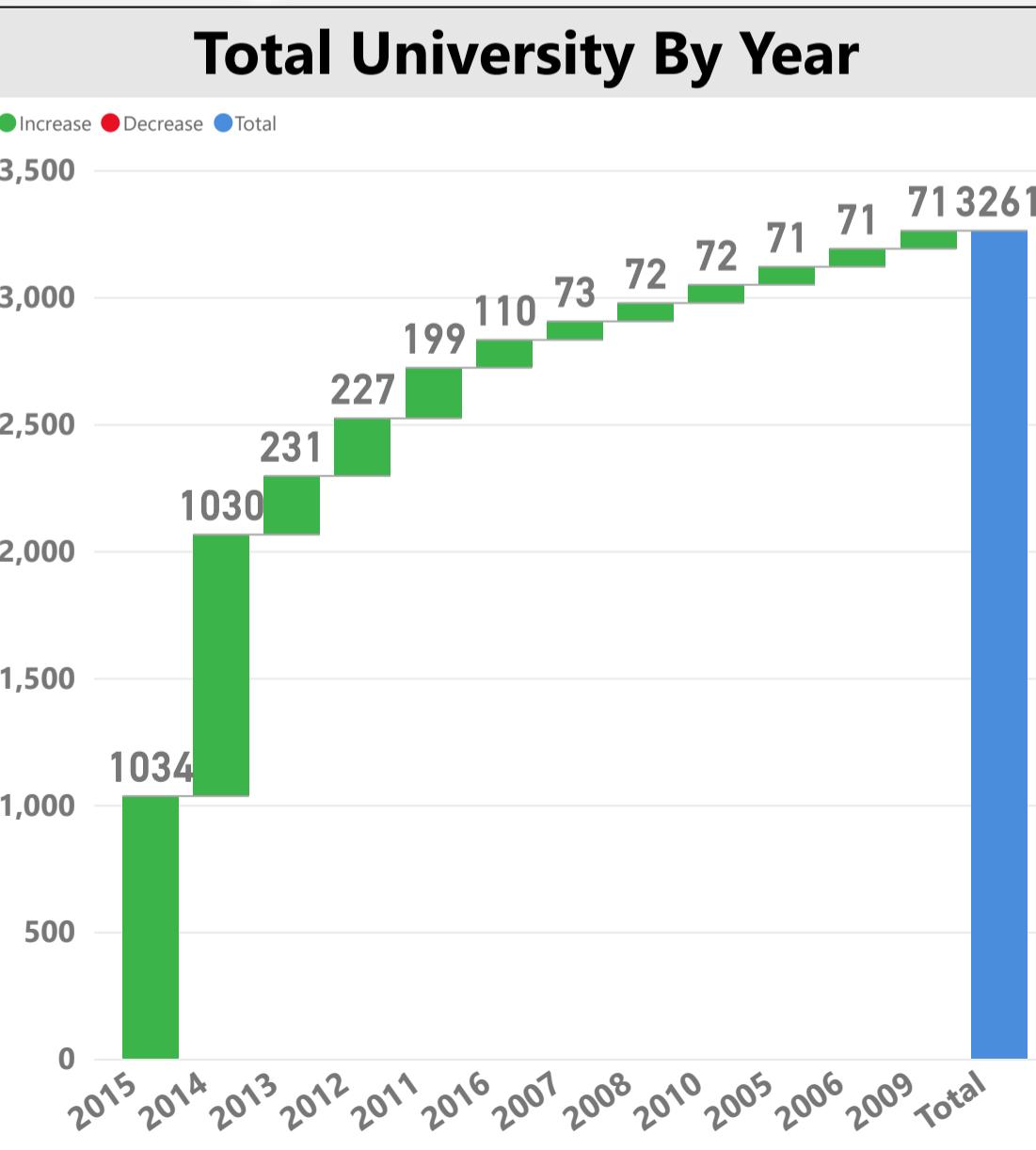
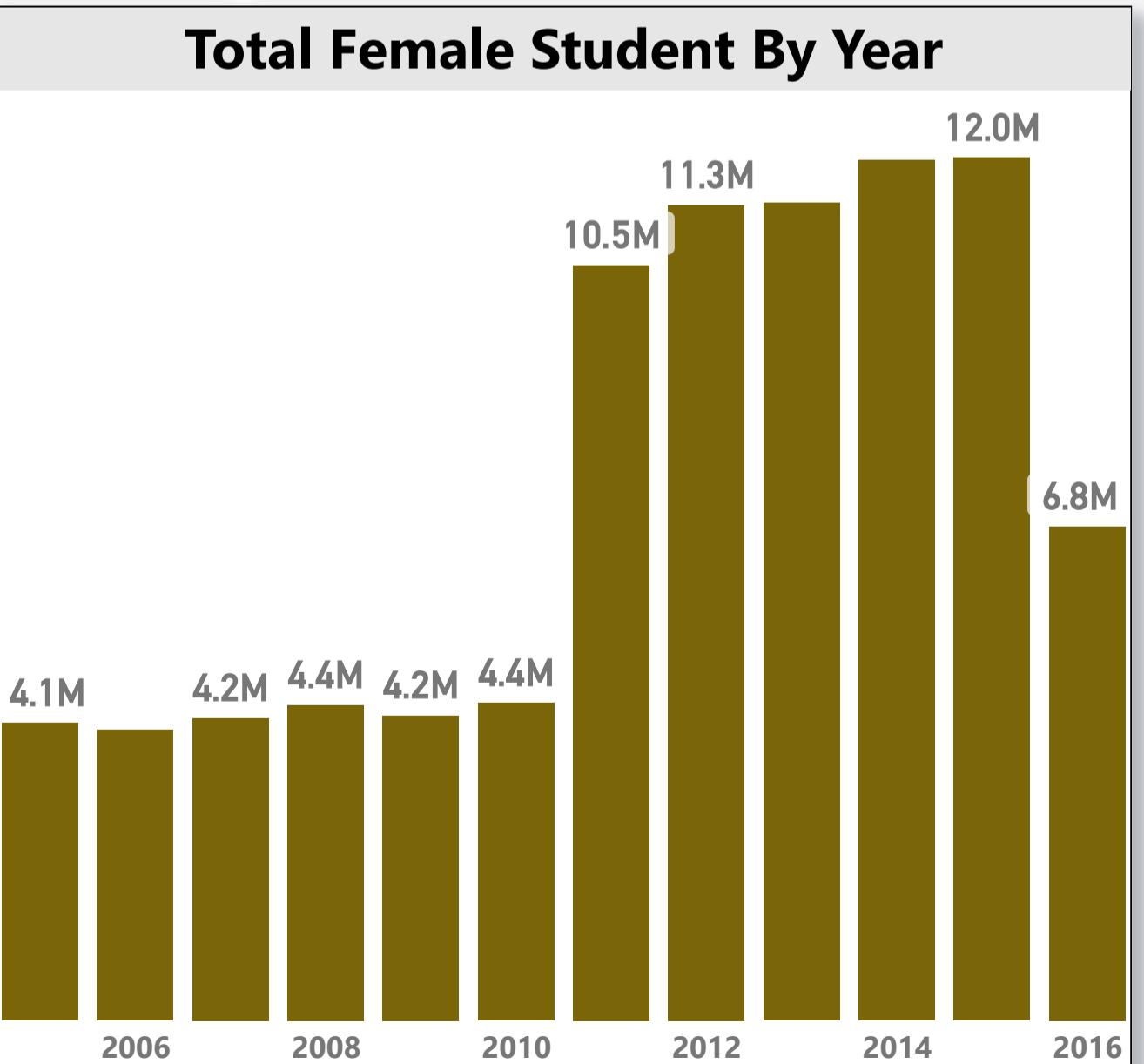
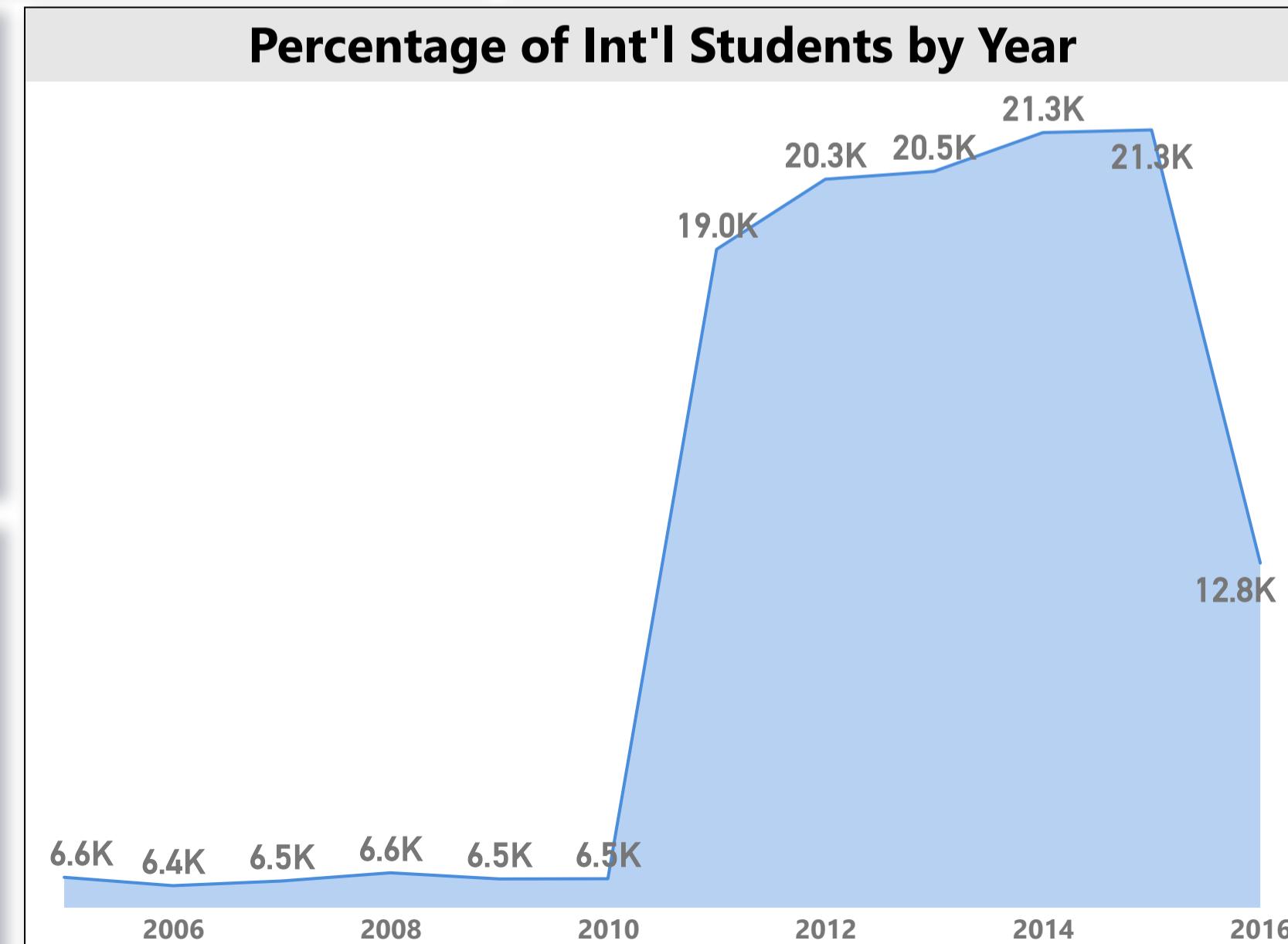
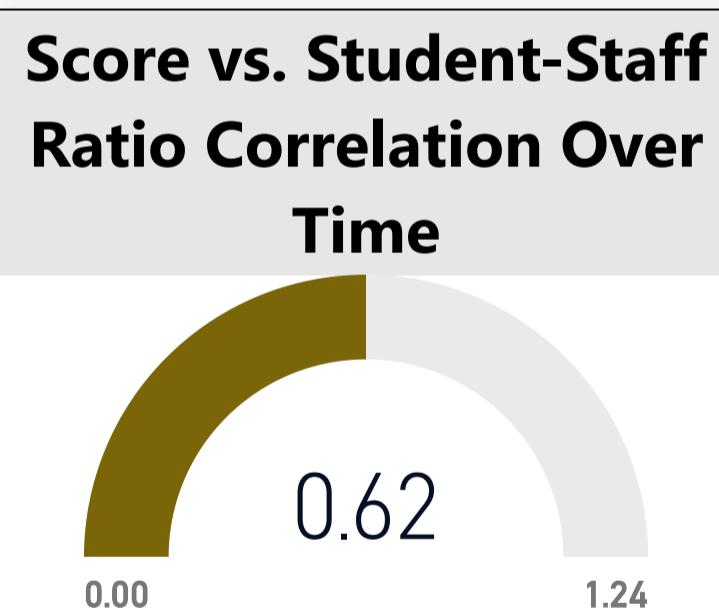
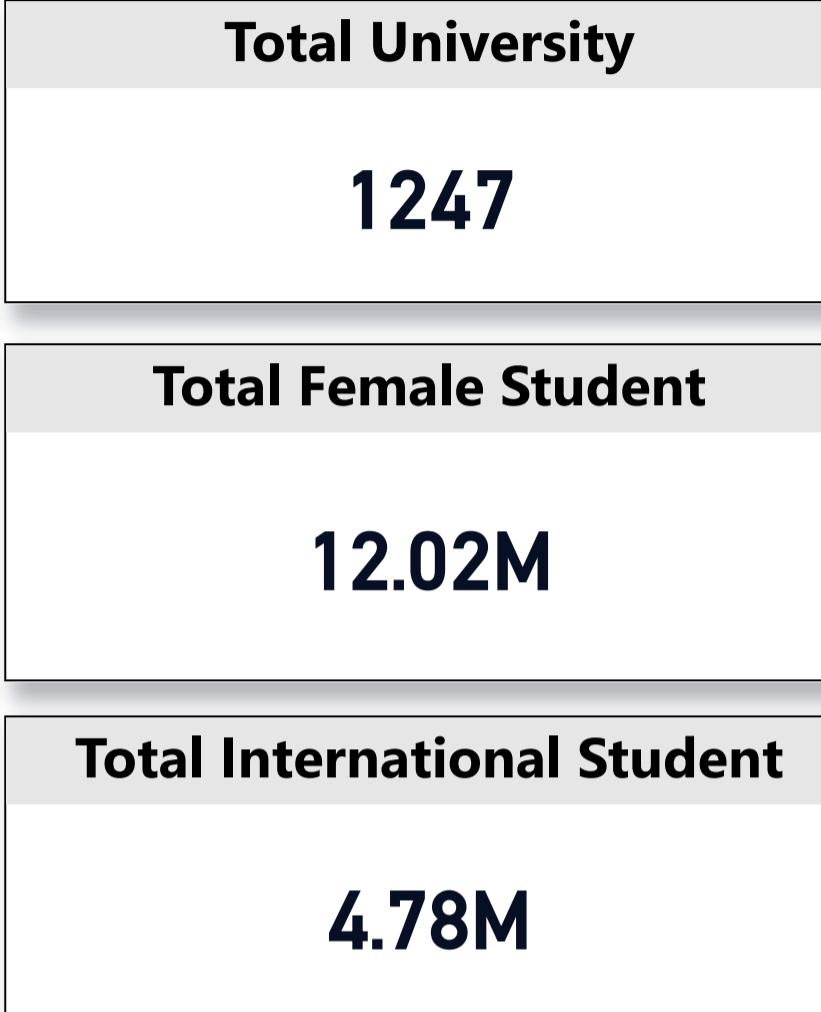
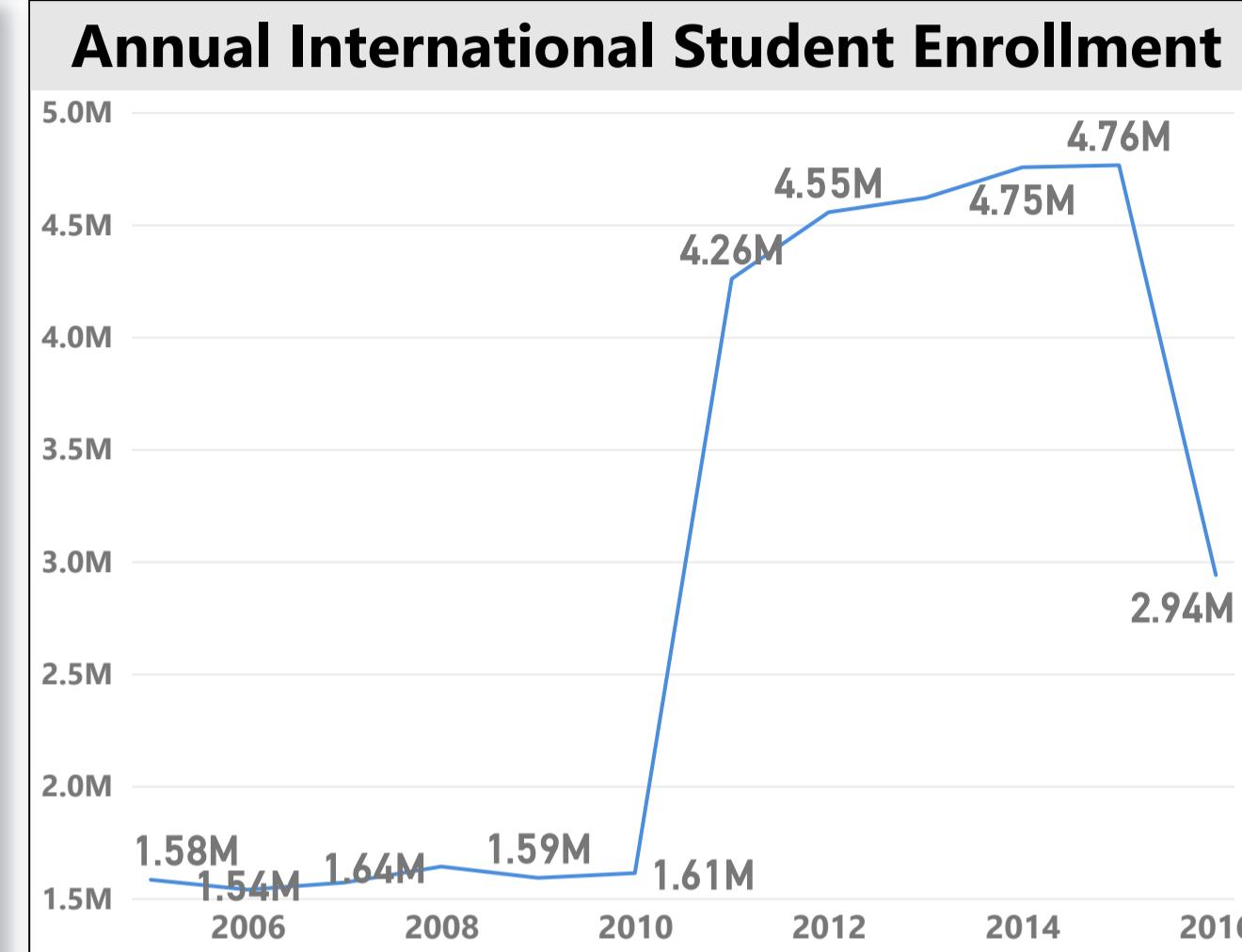
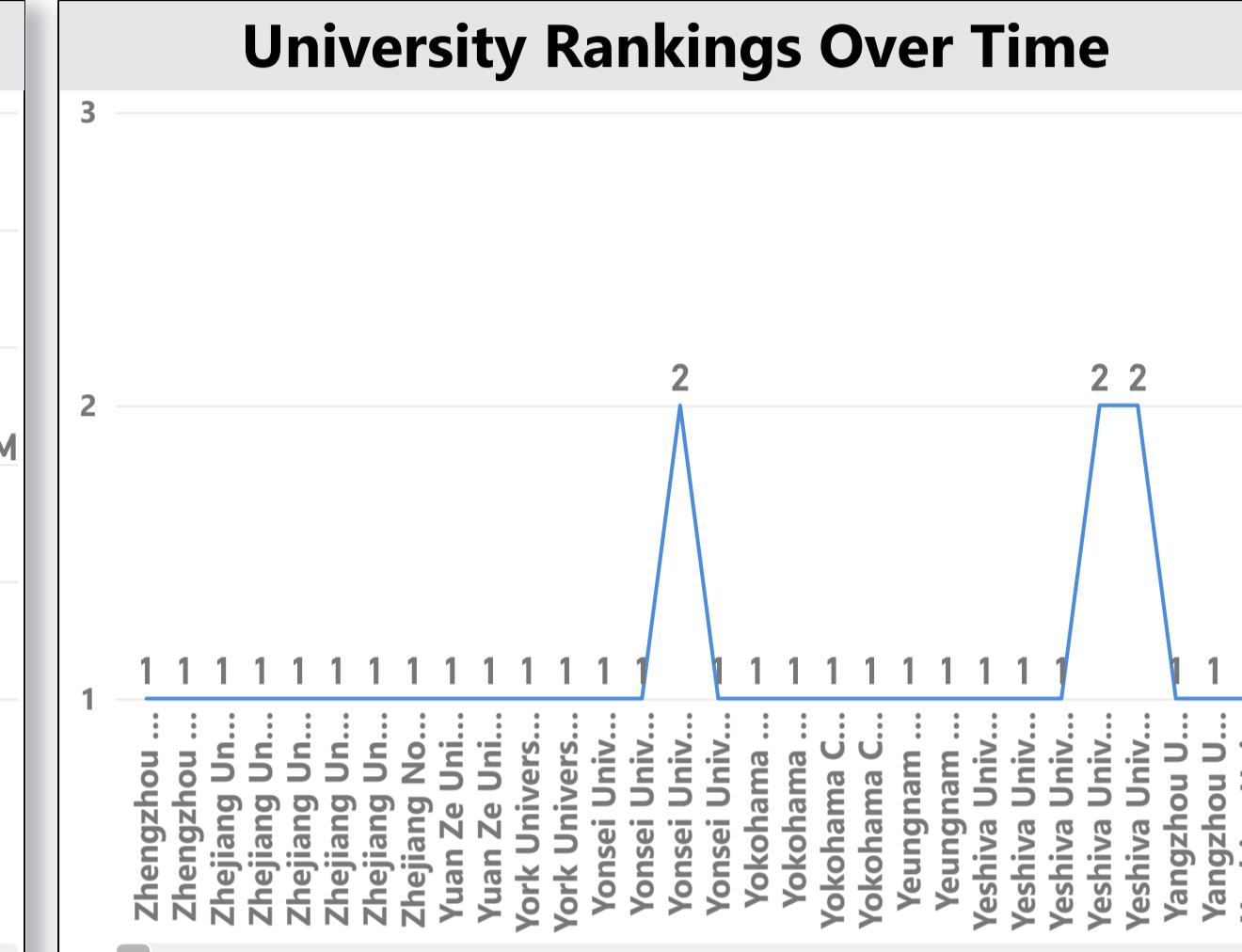
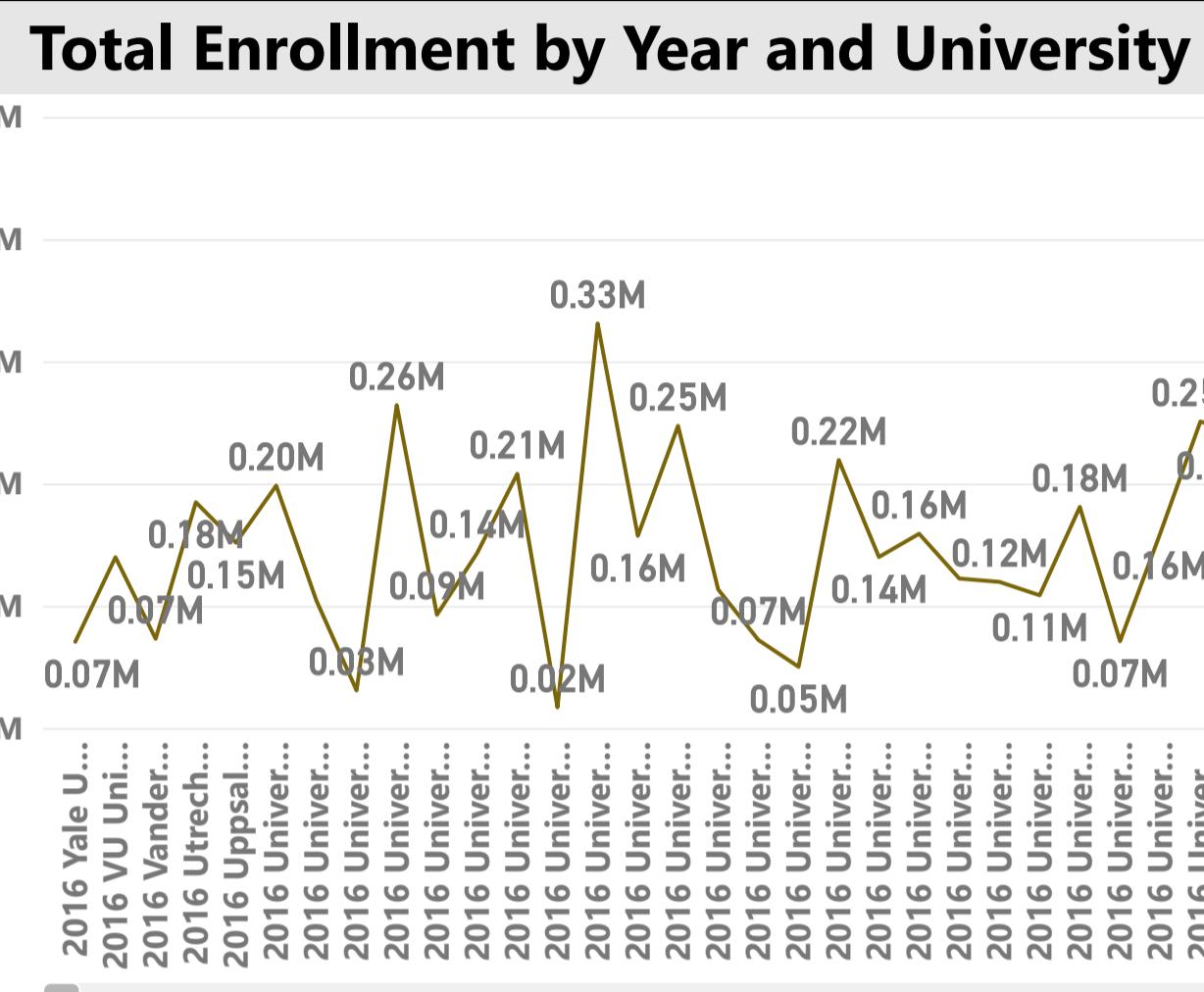
2012

2013

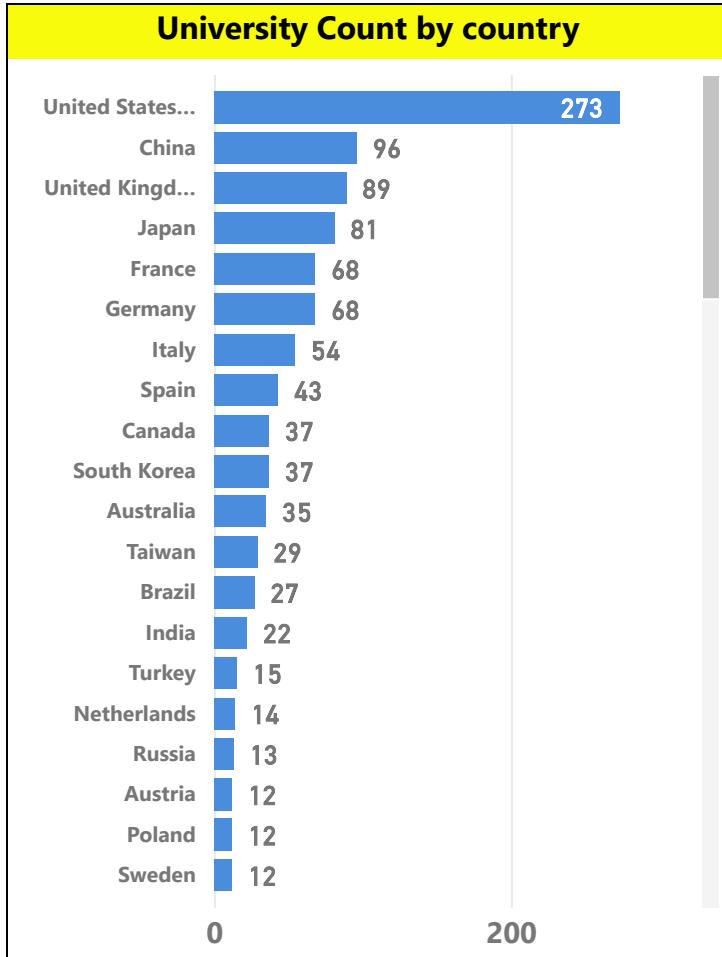
2014

2015

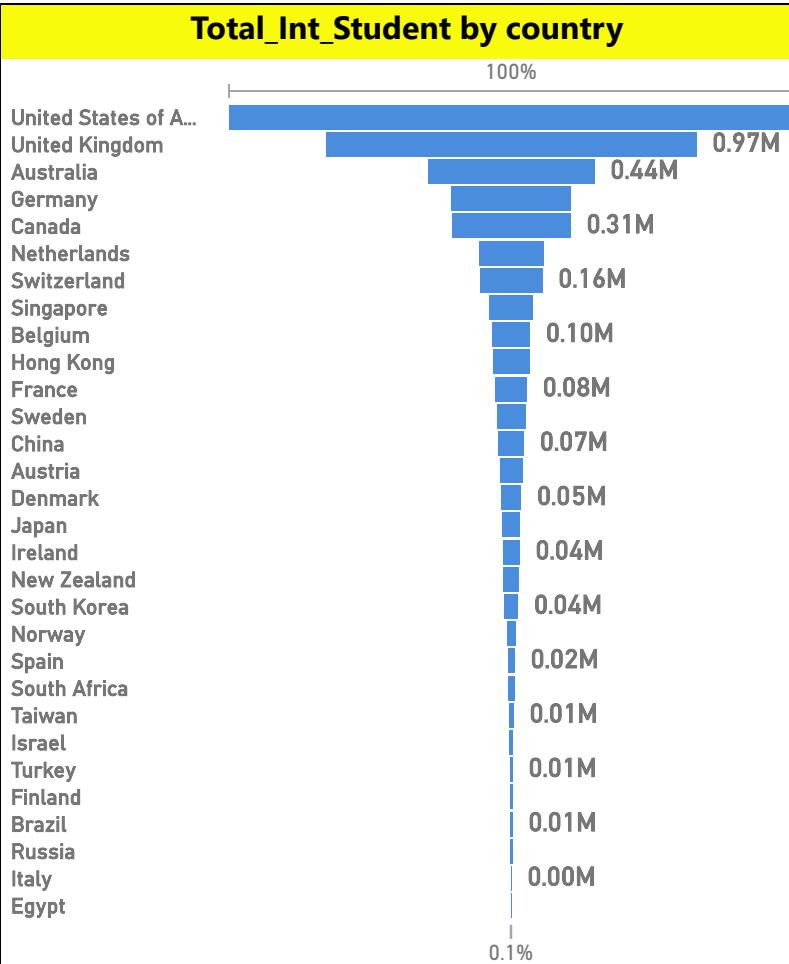
2016



## Q1 How many universities are there in each country?



## Q2 What is the distribution of international students across different countries?



### INSIGHTS:

Upon analysis, it becomes evident that most universities are in the United States. However, it is important to note that the distribution of universities varies across different countries.

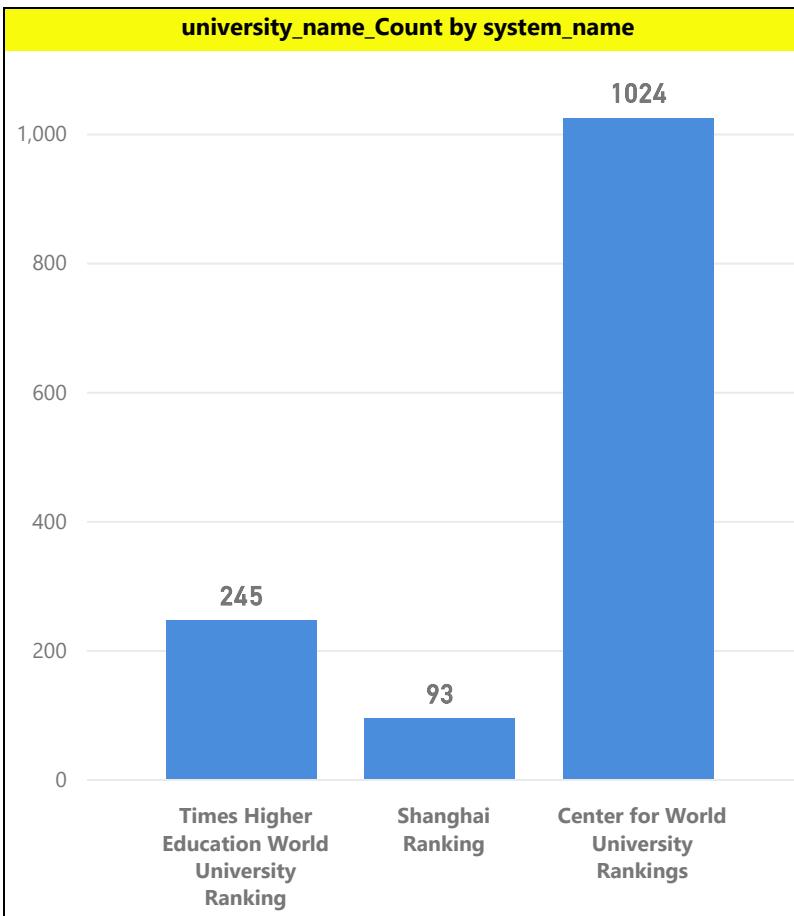
## Q3 Which country has the highest number of female students enrolled in universities?

country_name	Sum of Total_female_student
United States of America	4,932,361.63
United Kingdom	1,601,481.83
Germany	910,780.97
Australia	732,340.79
Canada	691,623.44
Netherlands	616,589.94
Belgium	343,649.94
Switzerland	238,675.93
Sweden	233,646.82
Denmark	170,278.75
France	168,903.64
Singapore	164,961.12
Austria	149,129.88
China	139,057.37
Hong Kong	123,489.27
Spain	102,632.62
New Zealand	88,421.00
<b>Total</b>	<b>12,016,734.73</b>

### INSIGHTS:

Analysis indicates that the United States boasts the highest enrollment of female students in universities.

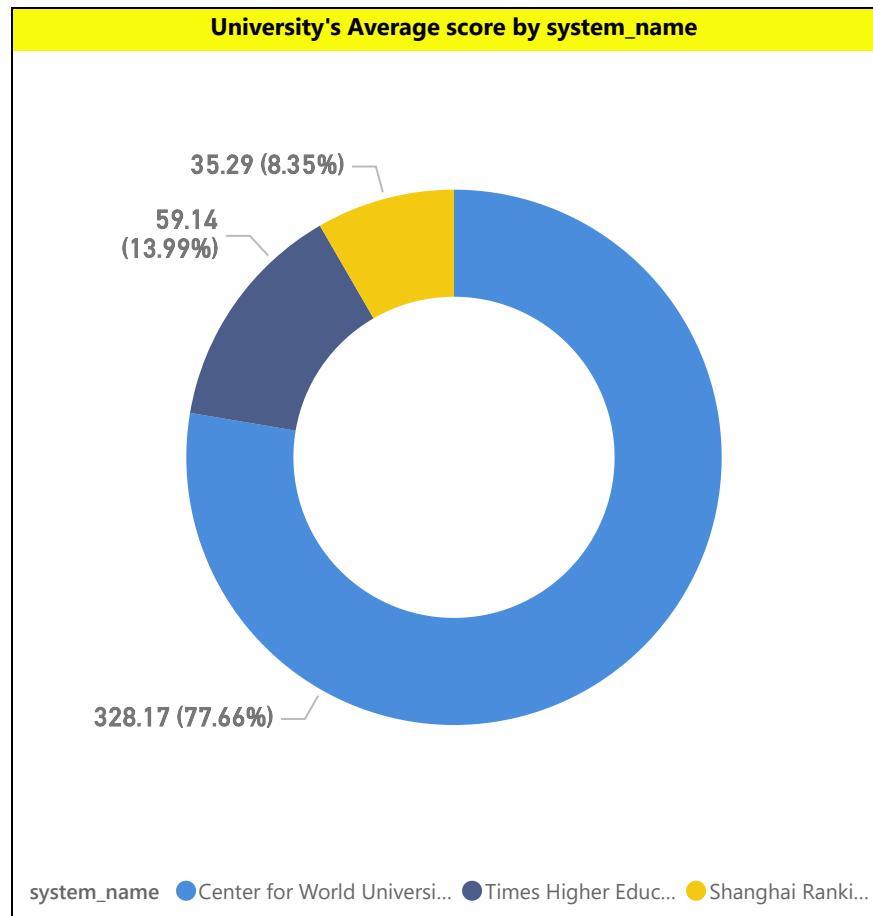
#### Q4 How many universities are ranked by each ranking system?



#### INSIGHTS:

This analysis reveals that a significant number of universities, approximately 1024, are ranked by the Center for World University Rankings. Additionally, 245 universities are ranked by the Times Higher Education ranking, and 93 universities are ranked by the Shanghai Ranking.

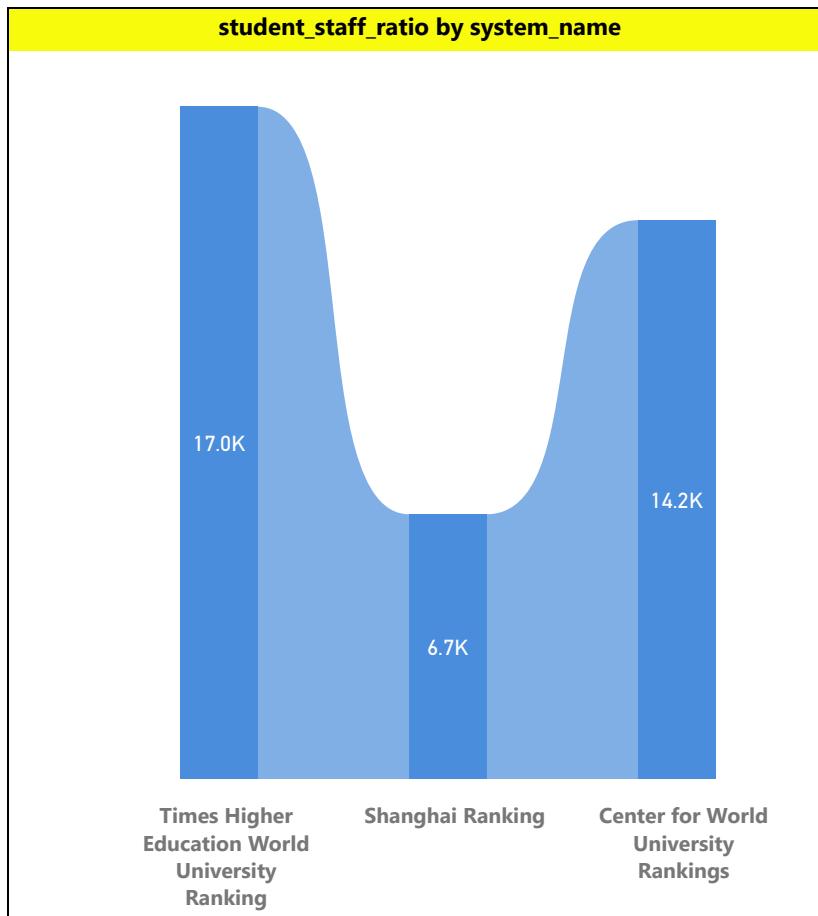
#### Q5 What is the average score for universities according to each ranking system?



#### INSIGHTS:

In this analysis, the Center for World University Rankings system consistently achieves the highest scores, while the Shanghai ranking system tends to attain comparatively lower average scores.

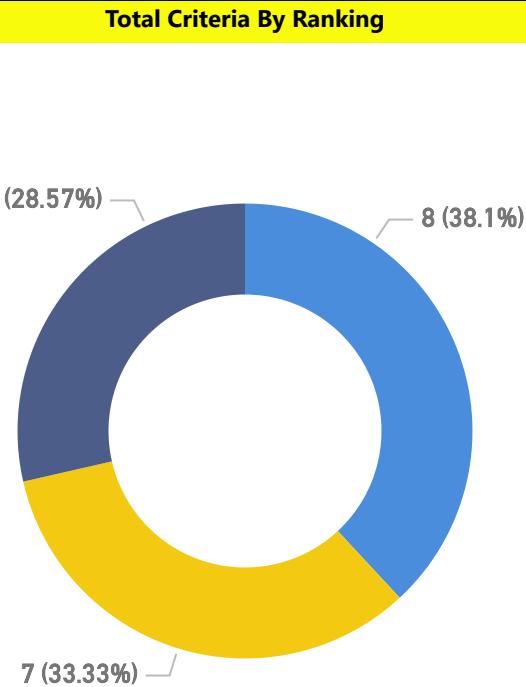
#### Q6 How does the ranking system affect a university's student-staff ratio?



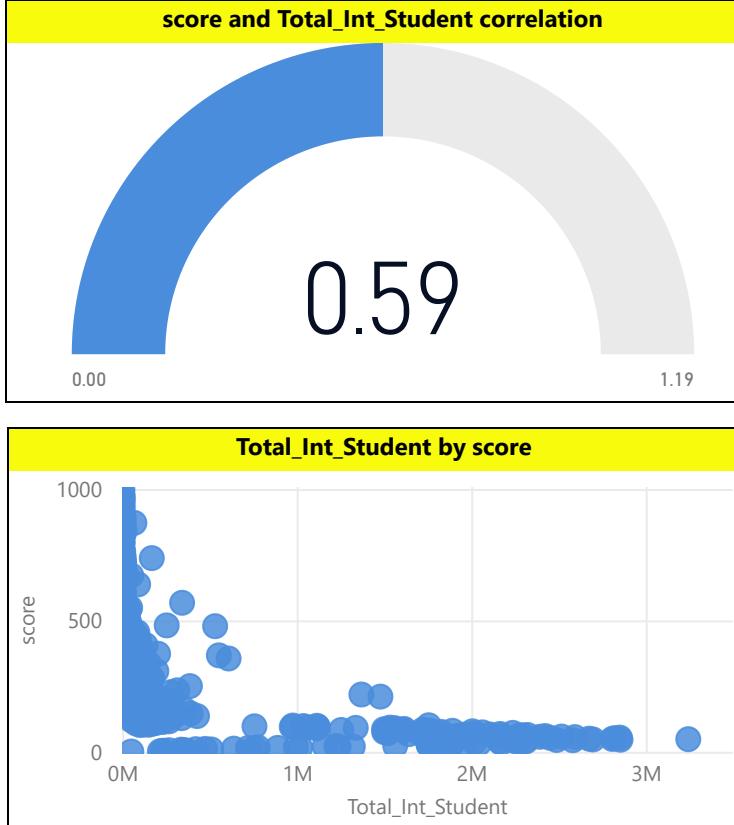
#### INSIGHTS:

This analysis suggests that among the various ranking systems, Times Higher Education ranking has a more pronounced impact on the student-to-staff ratio.

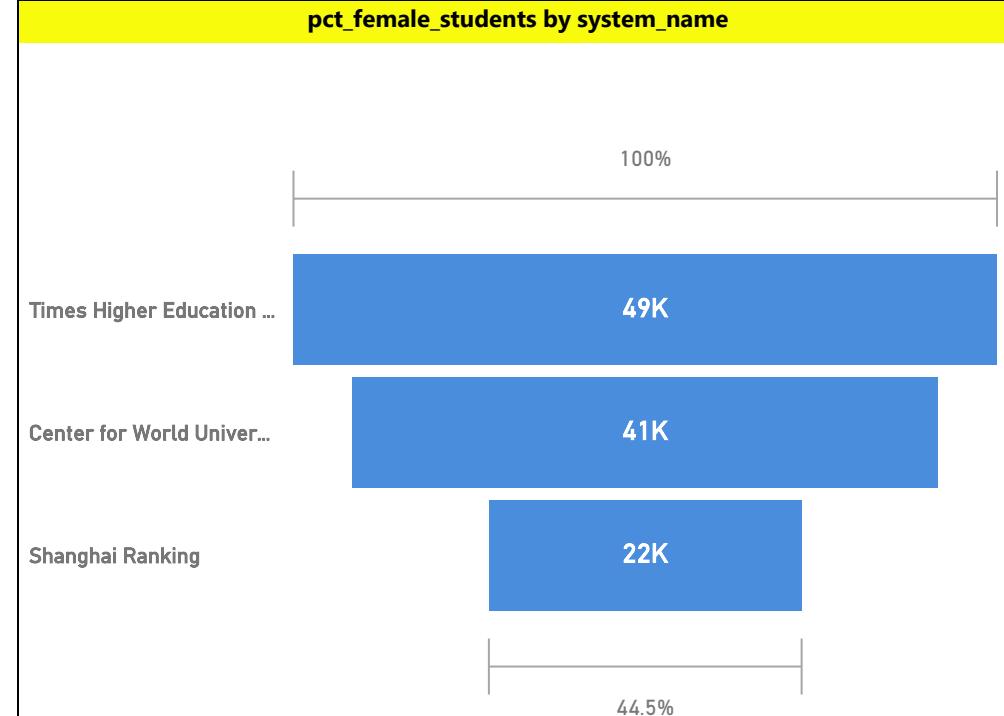
## Q7 What are the most important criteria considered by ranking systems?



## Q8 Is there a correlation between a university's score and the number of international students?



## Q9 How does the percentage of female students impact a university's ranking?



### INSIGHTS:

This analysis reveals that the Center for World University Rankings favors the "Total CWUR" criteria, while the Shanghai Ranking system prefers the "Total Shanghai" criteria. Meanwhile, the Times Higher Education World Ranking leans towards the "Total Times" criteria.

### INSIGHTS:

The scatter and gauge analysis unmistakably indicates a strong positive correlation between a university's score and the number of international students.

### INSIGHTS:

This analysis suggests a notable trend: a higher preference among female students for universities ranked by Times Higher Education. This preference not only impacts that specific ranking but also influences other ranking systems.

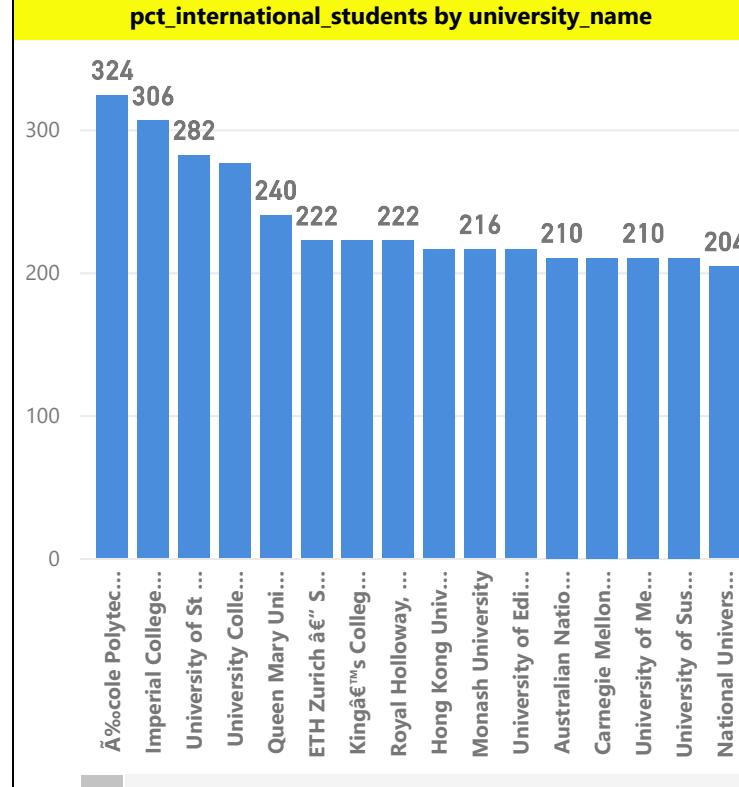
## Q10 Which university has the highest number of students?

university_name	Total students
Arizona State University	499416
University of Massachusetts	341754
University of Toronto	330990
Indiana University	312340
Monash University	305292
University of British Columbia	300912
Pennsylvania State University	267006
University of Washington	264120
Ohio State University	257310
University of Illinois at Urbana-Champaign	256362
KU Leuven	255018
New York University	252336
University of Michigan	250716
<b>Total</b>	<b>26050855</b>

### INSIGHTS:

The analysis reveals that Arizona State University has the highest number of students enrolled, making it the university with the maximum student population.

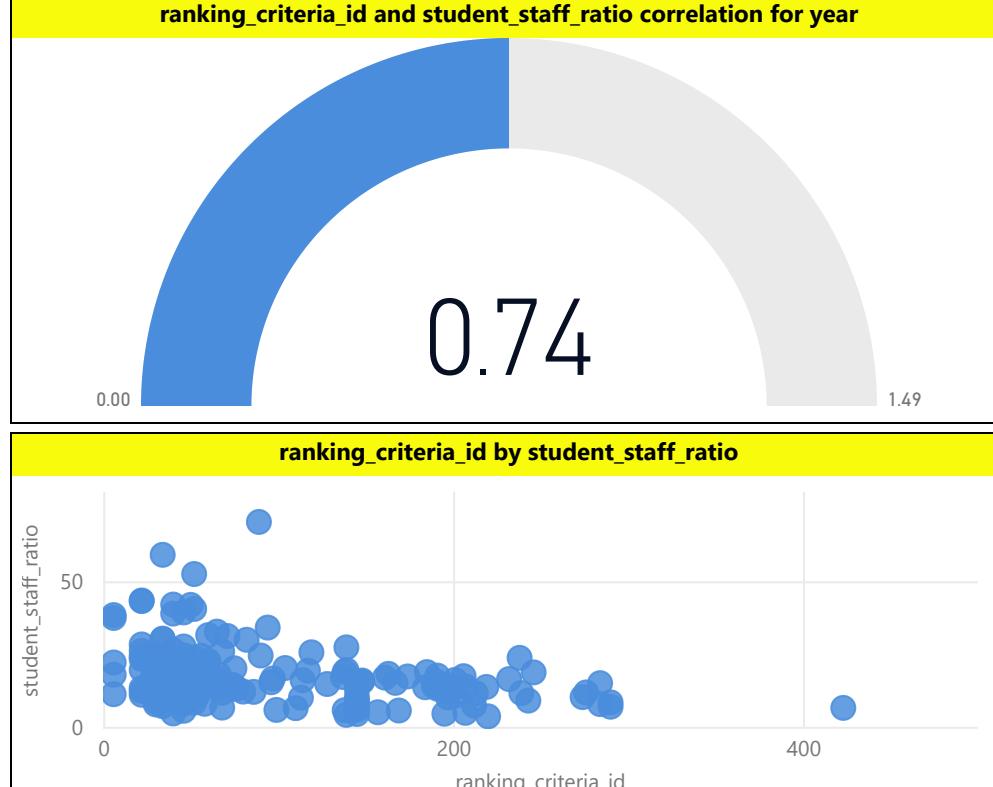
## Q11 How does the percentage of international students vary across different universities?



### INSIGHTS:

The analysis indicates that Polytechnic Lausanne University is highly preferred by international students, as it boasts the highest number of international students among the options.

## Q12 Is there a correlation between a university's ranking and its student-staff ratio?

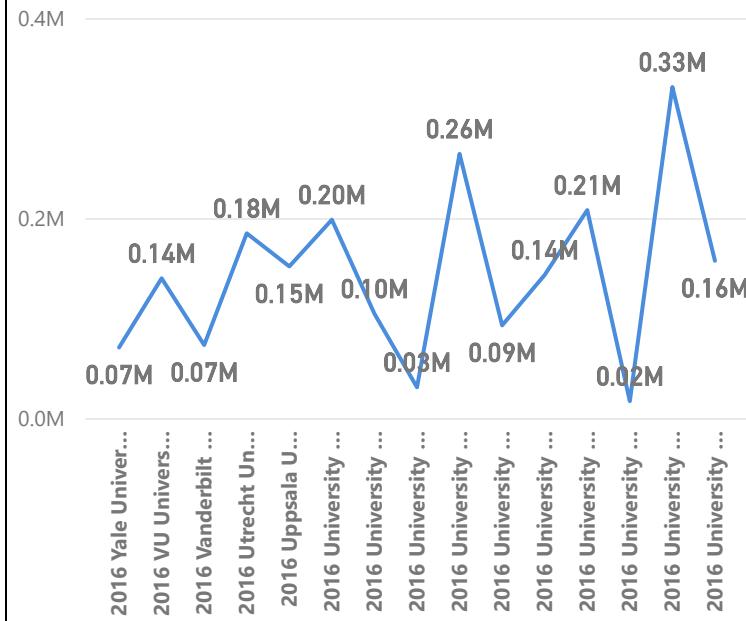


### INSIGHTS:

The scatter and gauge analysis clearly reveals a strong positive correlation between a university's ranking and its student-staff ratio.

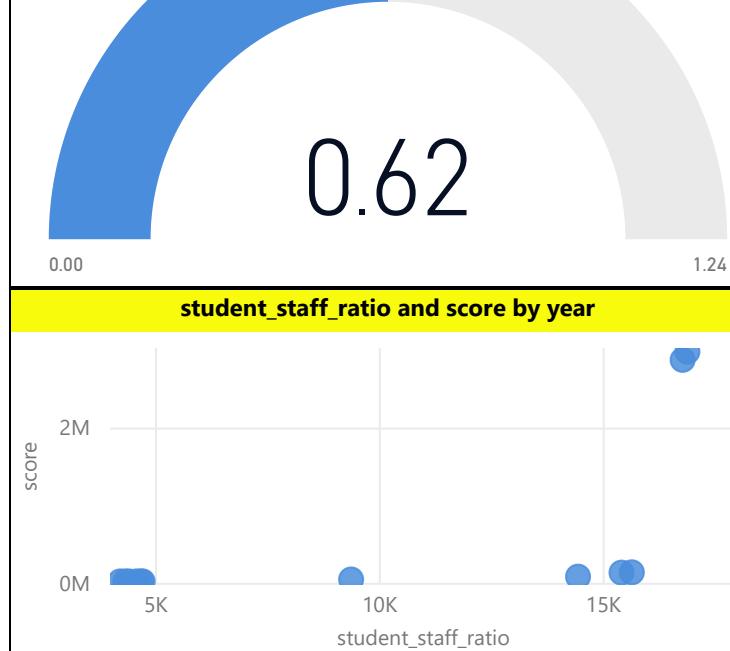
### Q13 How does the number of students in universities change over time?

num\_students by year and university\_name



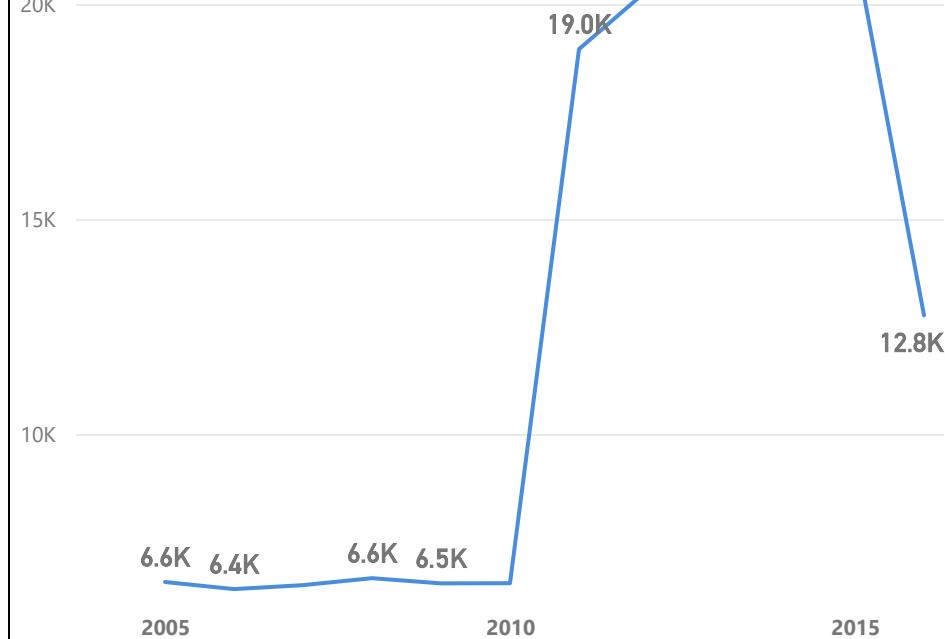
### Q14 Is there a correlation between a university's ranking score and the student-staff ratio over the years?

score and student\_staff\_ratio correlation for year



### Q15 How does the percentage of international students vary across different years?

pct\_international\_students by year



#### INSIGHTS:

This analysis suggests that the number of students in universities is fluctuating, whereas Arizona University consistently maintains the same student population.

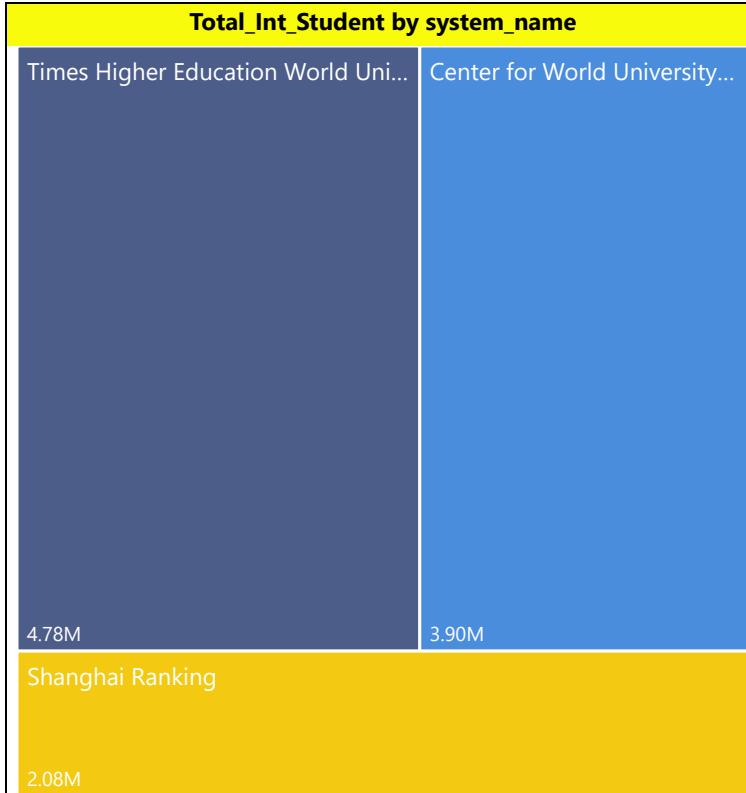
#### INSIGHTS:

In examining the scatter and gauge data, a robust positive correlation emerges between the university score and the student-staff ratio.

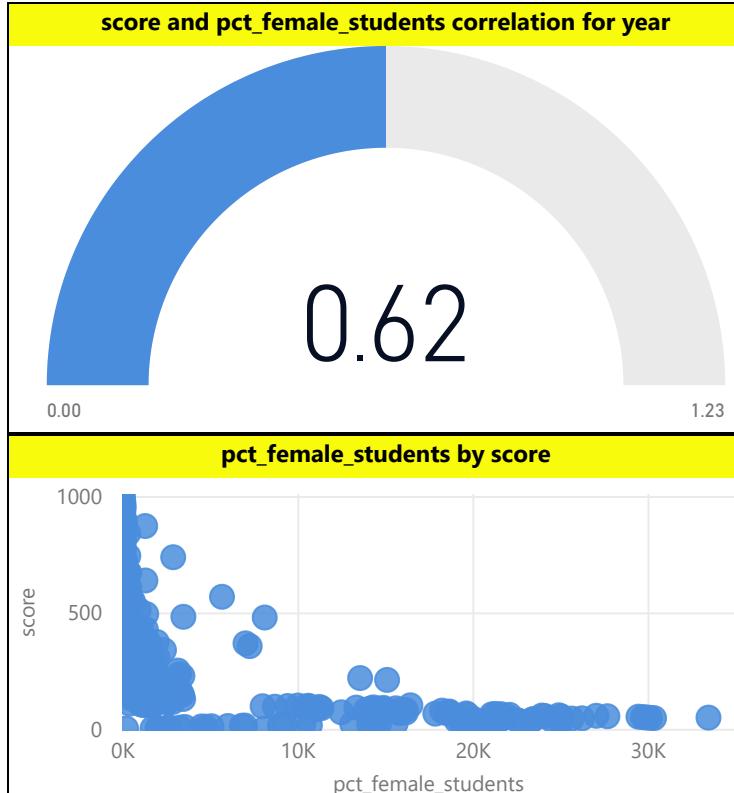
#### INSIGHTS:

This analysis reveals a consistent increase in the number of international students in universities from 2005 to 2015, followed by a sudden drop in 2016.

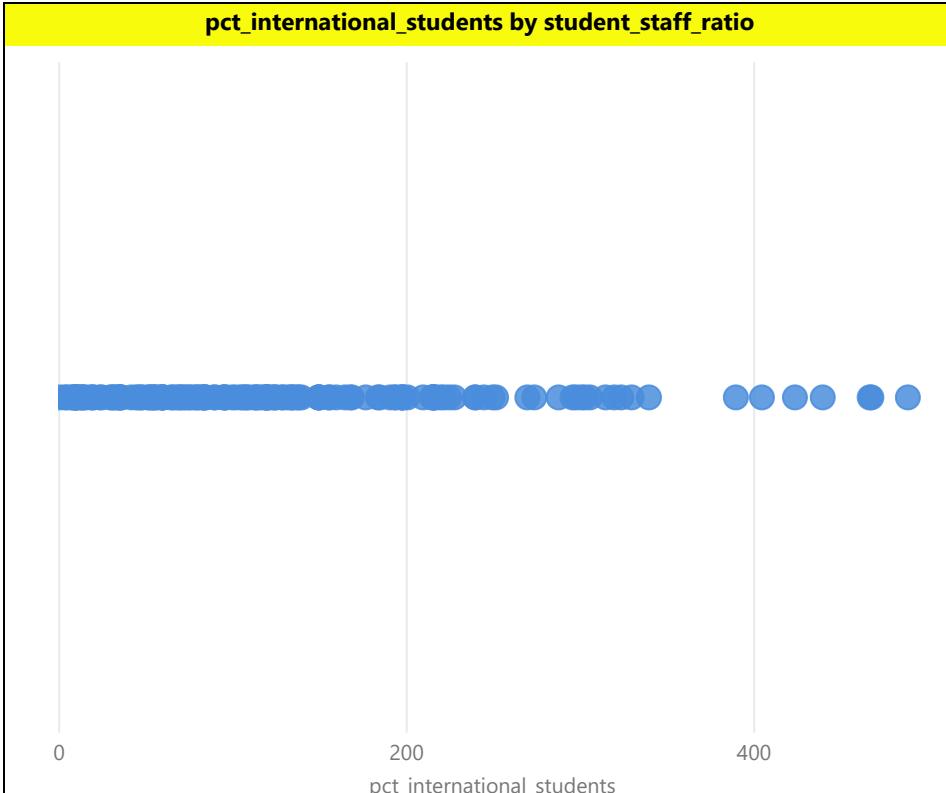
## **Q16 What is the impact of a university's ranking on the number of international students it attracts?**



## **Q17 Is there a relationship between a university's ranking score and the percentage of female students enrolled?**



## **Q18 How does the percentage of international students affect a university's student-staff ratio?**



### **INSIGHTS:**

This analysis suggests a preference among international students for universities ranked higher in the Times Higher Education ranking compared to other ranking systems.

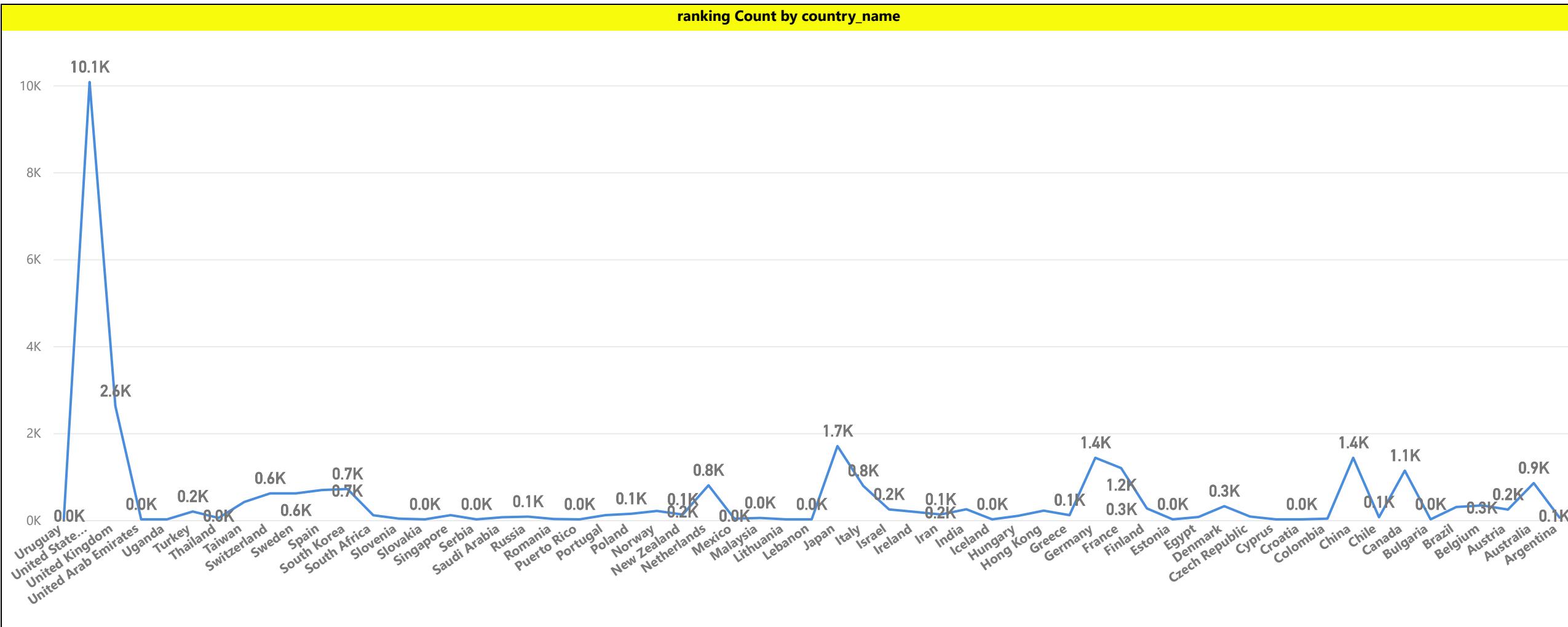
### **INSIGHTS:**

In the scatter and gauge analysis, a clear and strong positive relationship is observed between university scores and the percentage of female students.

### **INSIGHTS:**

The analysis indicates that the percentage of international students does not notably impact the university's student-to-staff ratio.

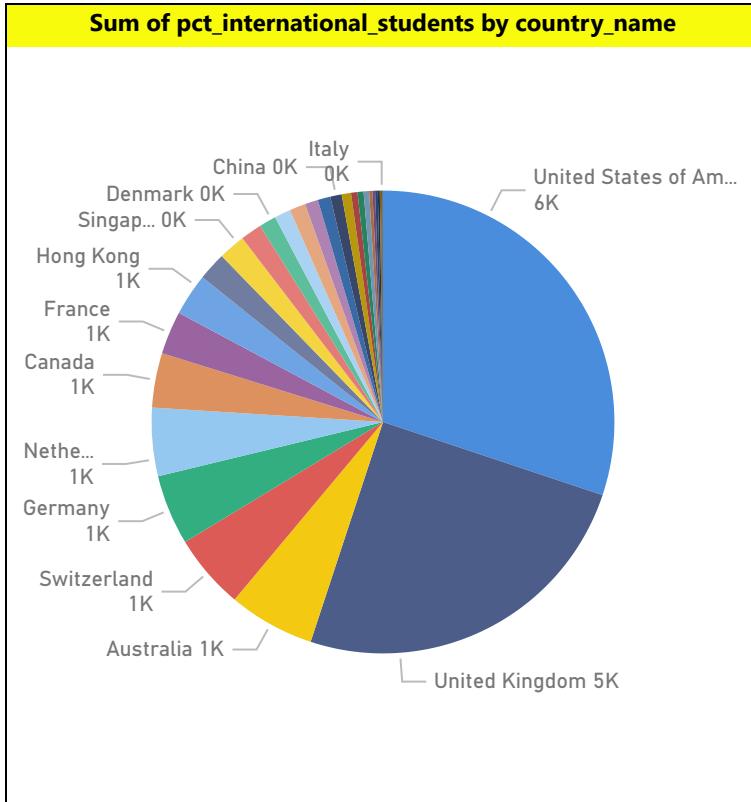
## Q19 Are there any significant trends or patterns in the rankings of universities from different countries?



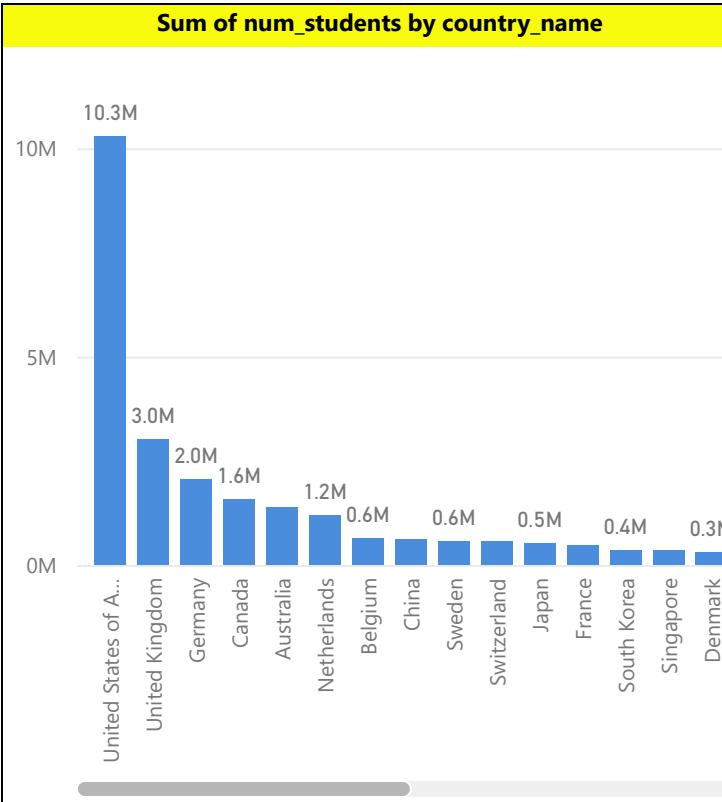
### INSIGHTS:

This analysis highlights that the USA has the highest number of ranked universities compared to other countries. Furthermore, there is no discernible trend in university rankings as they fluctuate across different countries.

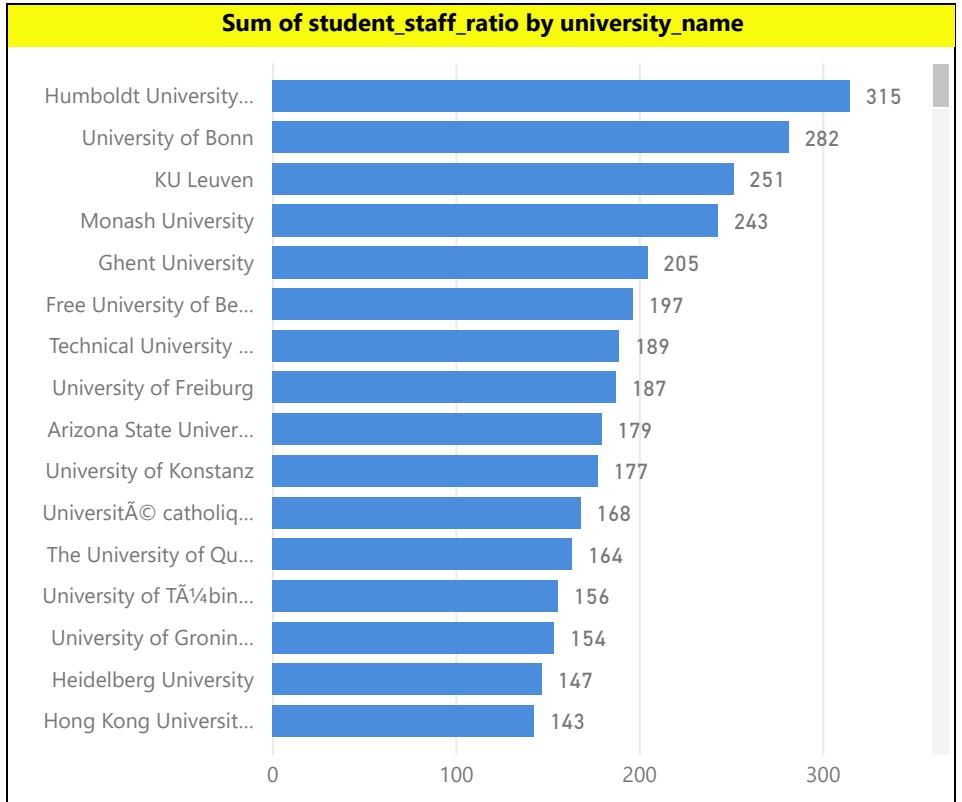
**Q20 What is the percentage of international students in universities across different countries?**



**Q21 What is the Total students in universities across different countries?**



**Q22 What is the students-staff ratio in universities?**



### **INSIGHTS:**

**USA Boasts the Highest Proportion of International Students.**  
Additionally, the data suggests a significant international student presence within US universities.

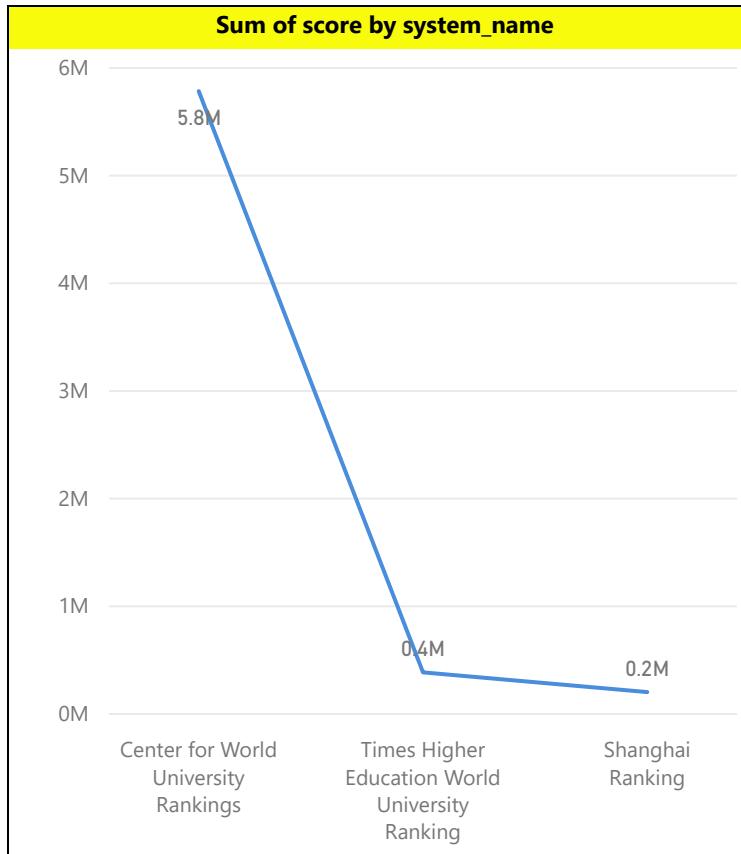
### **INSIGHTS:**

**The Analysis Indicates that the USA Holds the Highest Number of Students in Universities.**

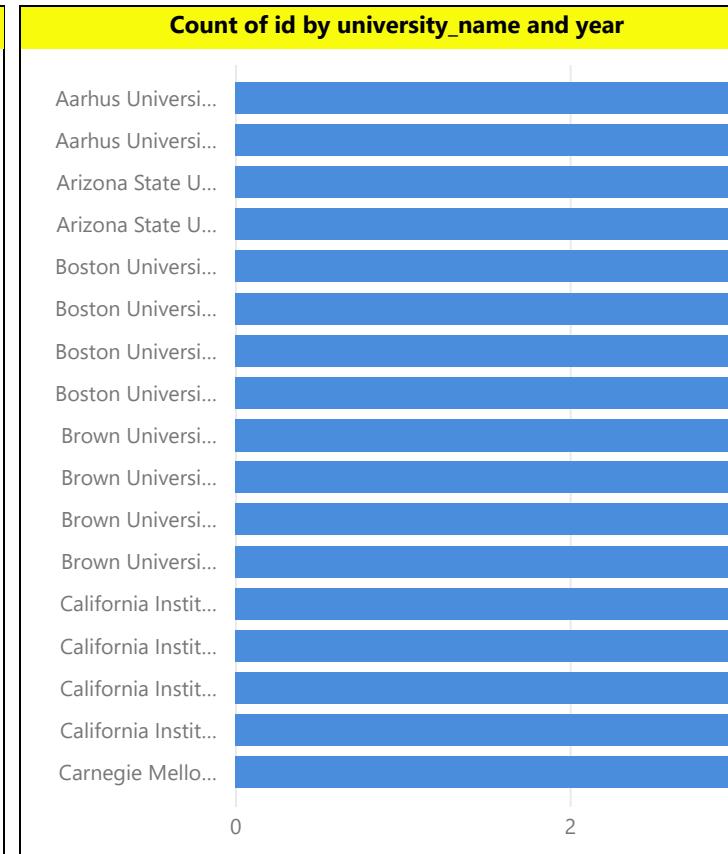
### **INSIGHTS:**

**From The Analysis, It Is Seen That Humboldt University Of Berlin Has Highest Number Of Student Staff Ratio.**

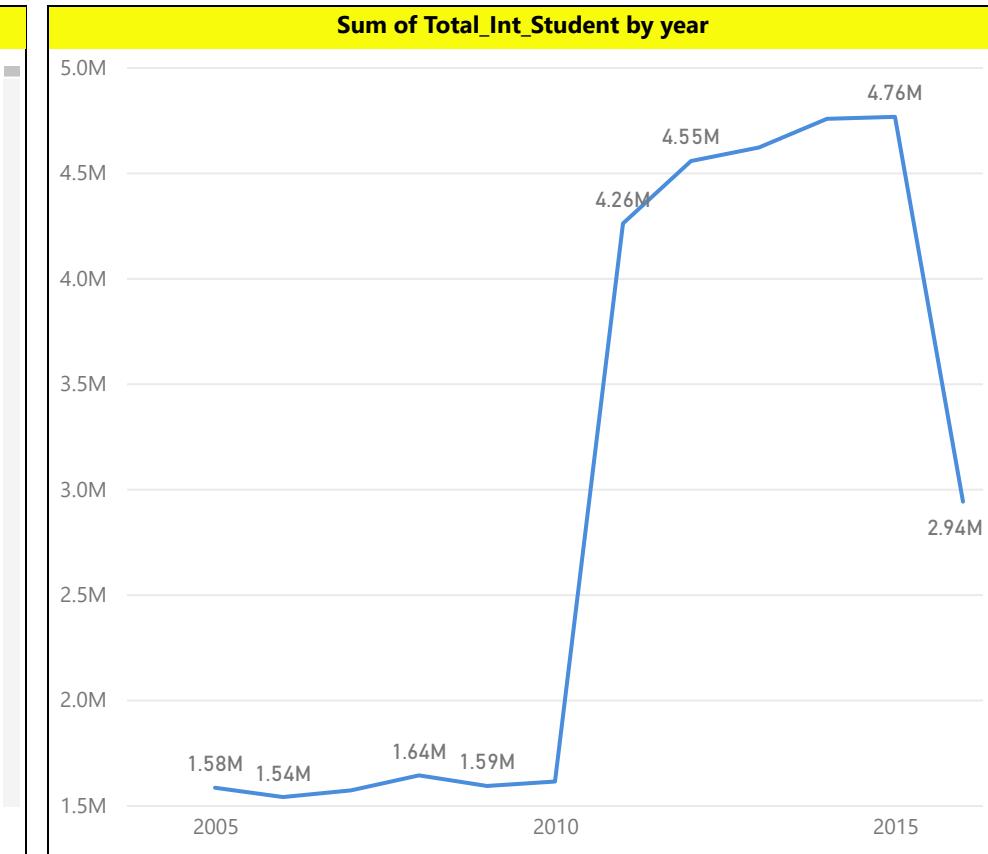
**Q23 What is the Trend in Ranking Score Of Universities For Different Ranking System?**



**Q24 What is the Trend in Ranking Of Universities Over Years?**



**Q25 What is the Trend in Total number Of international students in Universities Over Years?**



### **INSIGHTS:**

**The Analysis Indicates that the Center of University World Ranking Holds the Highest Ranking Score, Suggesting it is the Preferred Ranking for a Majority of Universities.**

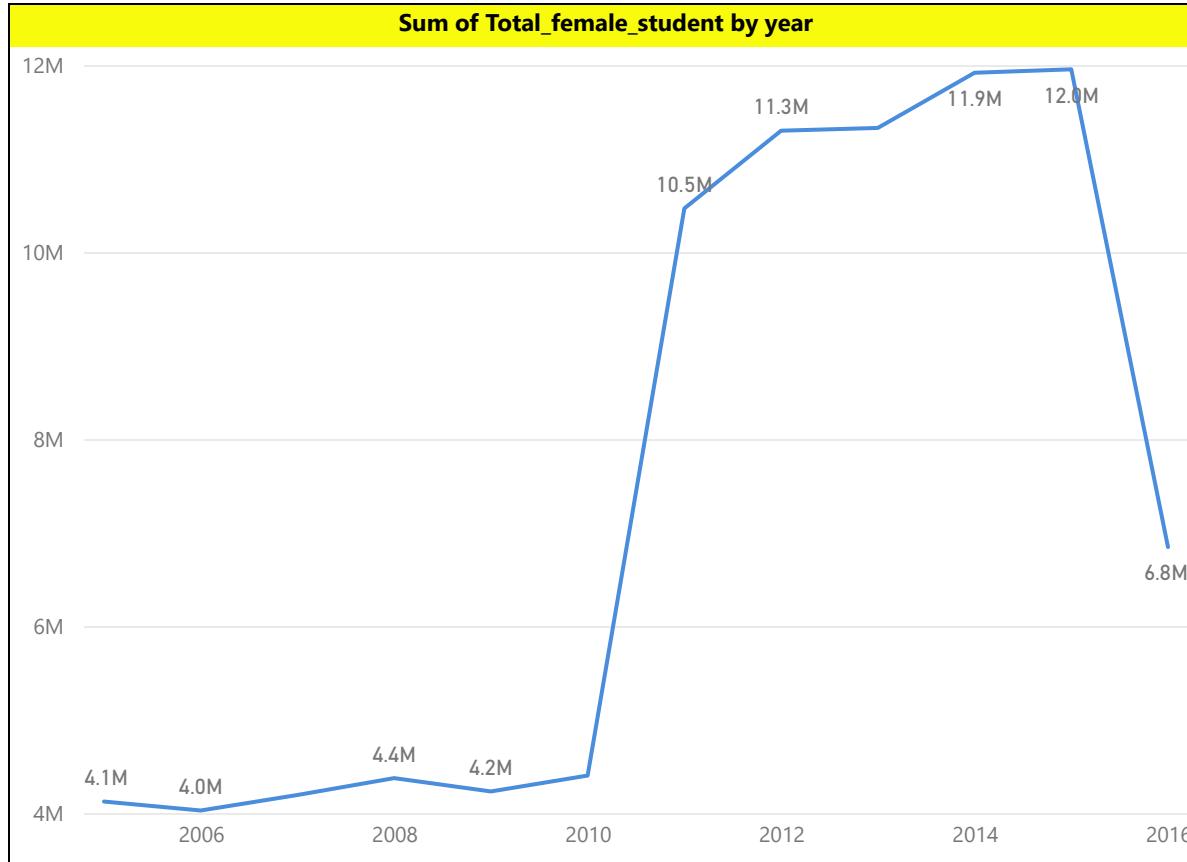
### **INSIGHTS:**

**The Analysis Highlights a Heightened Volatility in University Rankings Over Time, Reflecting Intensified Competition within the Higher Education Landscape.**

### **INSIGHTS:**

**The Analysis Reveals a Steady Increase in the Number of International Students in Universities from 2005 to 2015, Followed by a Sharp Decline in 2016.**

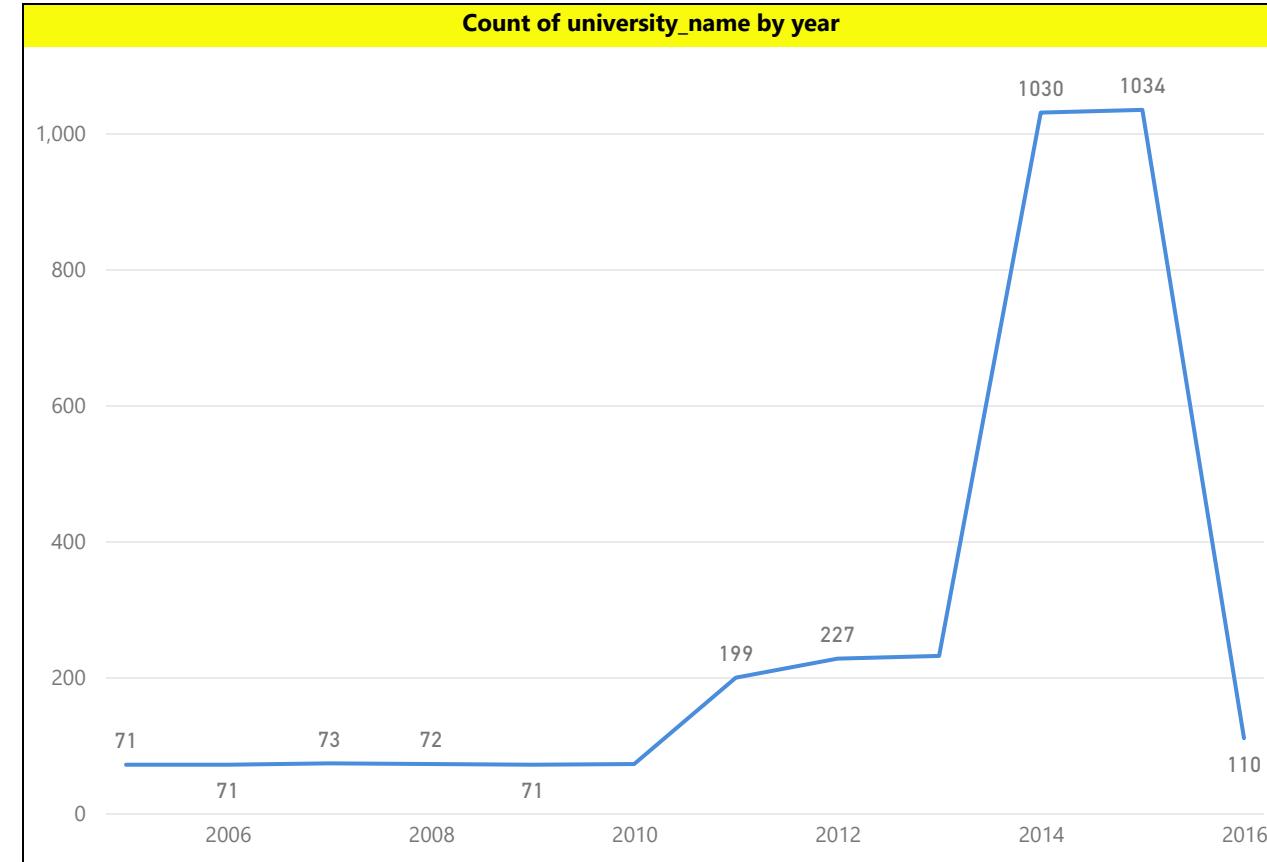
## Q26 What is the Trend in Total number Of female students in Universities Over Years?



### INSIGHTS:

The analysis indicates a consistent rise in the number of female students in universities from 2005 to 2015, followed by a sudden decline in 2016.

## Q27 What is the Trend in number of Universities Over Years?



### INSIGHTS:

The analysis reveals a general upward trend in university metrics over time, albeit with a notable downturn in 2016. Further investigation into the factors contributing to this decline could yield valuable insights.