GLOBAL STUDENT MIGRATION DATA ANALYSIS



EXAMINE THE PREFERED STUDENT CHOICES AND RELATED FACTORS.

PLACEMENT STATUS OF DIFFERENT UNIVERSITY

FACTORS RESPONSIBLE FOR SALARY

VISA_STATUS

TESTS TAKEN

Most prefered university

```
university_name,

destination_country,

COUNT(student_id) AS No_of_student

FROM

global_student_migration

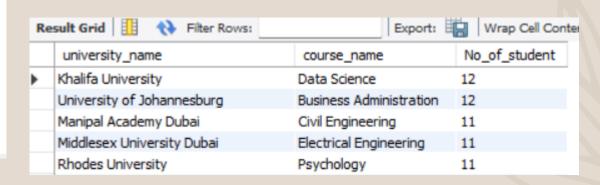
GROUP BY university_name , destination_country

ORDER BY COUNT(student_id) DESC;
```

	university_name	destination_country	No_of_student
•	University of Stuttgart	Germany	90
	Zayed University	UAE	89
	Moscow Institute of Physics and Technology	Russia	87
	Manipal Academy Dubai	UAE	81
	Heriot-Watt Dubai	UAE	80
	Bauman Moscow State Technical University	Russia	80
	Rhodes University	South Africa	79
	Heidelberg University	Germany	78
	UCLA	USA	77
	Ãf…bo Akademi University	Finland	76
	Novosibirsk State University	Russia	76
	University of Johannesburg	South Africa	75
	Khalifa University	UAE	75
	Humboldt University	Germany	75
	University of Dubai	UAE	74
	National University of Ireland Galway	Ireland	74
	Saint Petersburg State University	Russia	74
	Technical University of Munich	Germany	73

Most prefered university based on the courses offered

```
SELECT
    university_name,
    course_name,
    COUNT(student_id) AS No_of_student
FROM
    global_student_migration
GROUP BY university_name , course_name
ORDER BY COUNT(student_id) DESC;
```



Top 5 courses with shortest study duration

```
SELECT

course_name,

AVG(graduation_year - year_of_enrollment) AS study_duration

FROM

global_student_migration

GROUP BY course_name

ORDER BY study_duration asc limit 5;
```

Re	Result Grid	
	course_name	study_duration
•	Civil Engineering	1.9254
	Business Administration	1.9315
	Mechanical Engineering	1.9672
	Biotechnology	1.9735
	Architecture	1.9851

Most preferred course over the years

```
year_of_enrollment, course_name, total

FROM

(select year_of_enrollment, course_name, count(student_id) as total,
    rank() over(partition by year_of_enrollment order by count(student_id) desc) as rn
    from global_student_migration
    GROUP BY year_of_enrollment, course_name) as a

where rn=1

ORDER BY year_of_enrollment;
```

Result Grid			
	year_of_enrollment	course_name	total
•	2019	Architecture	79
	2020	Law	80
	2021	Psychology	82
	2022	Law	80
	2023	Data Science	89

Courses with highest placement

```
SELECT

course_name, COUNT(student_id)

FROM

global_student_migration

WHERE

placement_status = 'Placed'

GROUP BY course_name

ORDER BY COUNT(student_id) DESC;
```

	course_name	count(student_id)
•	Data Science	198
	Electrical Engineering	182
	Business Administration	173
	Mechanical Engineering	169
	Political Science	168
	Finance	166
	Computer Science	165
	Economics	165
	Design	165
	Psychology	163
	Architecture	161
	Medicine	161
	Law	160
	Civil Engineering	159
	Biotechnology	154

Top companies based on branch for placement

```
SELECT
    placement_company, course_name, COUNT(student_id) AS count
FROM
    global_student_migration
WHERE
    placement_company <> 'N/A'
GROUP BY placement_company , course_name
ORDER BY count DESC;
```

Re	sult Grid 🔢 🙌 F	ilter Rows:	Exp
	placement_company	course_name	count
•	Goldman Sachs	Electrical Engineering	24
	Microsoft	Electrical Engineering	22
	Google	Business Administration	21
	Microsoft	Political Science	21
	Siemens	Finance	19
	Microsoft	Law	19
	Tesla	Psychology	19
	Facebook	Political Science	19
	Intel	Business Administration	19
	Intel	Computer Science	19
	Amazon	Data Science	19
	Amazon	Business Administration	18
	SAP	Data Science	18
	IBM	Data Science	18
	Microsoft	Biotechnology	18
	Amazon	Electrical Engineering	17

AVERAGE STARTING SALARY BASED ON

Destination_country

```
SELECT

destination_country,

ROUND(AVG(starting_salary_usd), 2) AS AVG_SALARY

FROM

global_student_migration

GROUP BY destination_country

ORDER BY AVG_SALARY DESC;
```

Course_name

```
SELECT

course_name,

ROUND(AVG(starting_salary_usd), 2) AS AVG_SALARY

FROM

global_student_migration

GROUP BY course_name

ORDER BY AVG_SALARY DESC;
```



University

```
SELECT
    university_name,
    ROUND(AVG(starting_salary_usd), 2) AS AVG_SALARY
FROM
    global_student_migration
GROUP BY university_name
ORDER BY AVG_SALARY DESC;
```



Re	esult Grid 🔠 🙌 Filte	r Rows:
	course_name	AVG_SALARY
•	Business Administration	50451.08
	Medicine	48222.67
	Data Science	48211.87
	Economics	46879.62
	Biotechnology	45622.44
	Finance	45452.09
	Electrical Engineering	45221.92
	Computer Science	44112.93

The top 5 highest starting salary and their gpa

```
SELECT

university_name,

course_name,

gpa_or_score,

starting_salary_usd

FROM

global_student_migration

WHERE

placement_status = 'Placed'

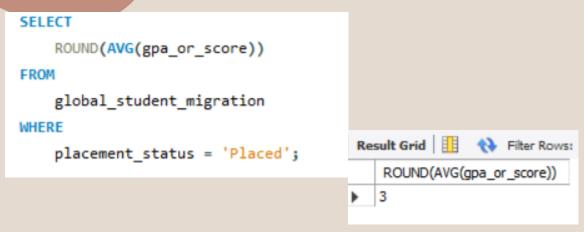
GROUP BY university_name , course_name , gpa_or_score , starting_salary_usd

ORDER BY starting_salary_usd DESC

LIMIT 5;

Resul
```

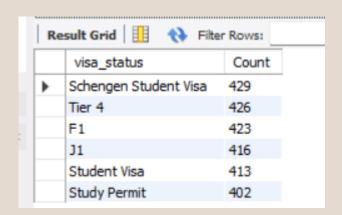
Average gpa of placed student



R	Result Grid		Export: Wrap Cell Content	
	university_name	course_name	gpa_or_score	starting_salary_usd
>	Khalifa University	Civil Engineering	3.99	149932
	University of Cape Town	Biotechnology	3.32	149910
	Imperial College London	Political Science	3.38	149899
	University College Cork	Medicine	3.8	149768
	University of Cape Town	Political Science	2.99	149553

Segregate placed student based on their visa_status

```
SELECT
    visa_status, COUNT(student_id) AS Count
FROM
    global_student_migration
WHERE
    placement_status = 'Placed'
GROUP BY visa_status
ORDER BY Count DESC;
```



Possible visa_status post graduation and the number of student under each category

post_graduation_visa, COUNT(student_id) FROM global_student_migration GROUP BY post_graduation_visa ORDER BY COUNT(student_id) DESC;

Re	Result Grid		
	post_graduation_visa	COUNT(student_id)	
•	Blue Card	1029	
	Work Permit	1027	
	OPT	1012	
	Post-Study Visa	982	
	PSW	950	

Percentage of students received scholarships

```
SELECT

(SELECT

COUNT(student_id)

FROM

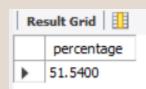
global_student_migration

WHERE

scholarship_received = 'Yes') / COUNT(student_id) * 100 AS percentage

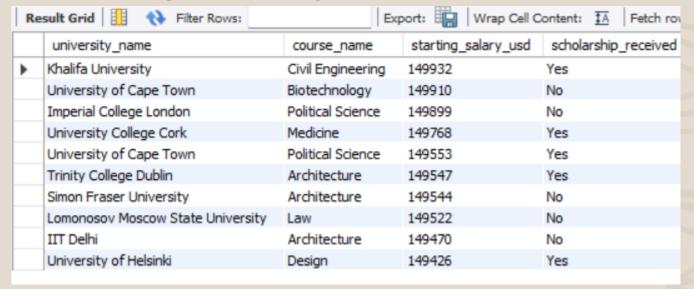
FROM

global_student_migration;
```



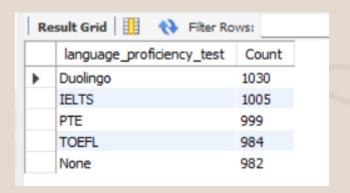
If there is a relation between scholarship and highest_salary





Most commonly used language tests to get into college

```
SELECT
    language_proficiency_test, COUNT(student_id) AS Count
FROM
    global_student_migration
GROUP BY language_proficiency_test
ORDER BY Count DESC;
```



The count of reasons for enrollment

```
enrollment_reason, COUNT(student_id)

FROM

global_student_migration

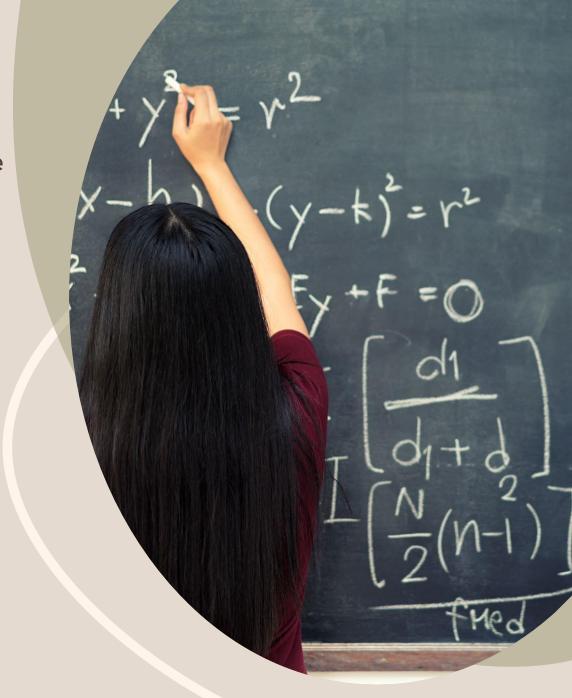
GROUP BY enrollment_reason

ORDER BY COUNT(student_id) DESC;
```

	enrollment_reason	count(student_id)
٠	Quality of Life	1015
	Higher Ranking	1004
	Scholarship	1001
	Job Opportunities	991
	Political Stability	989

DATA INSIGHTS:

- The data analysis helped in understanding the choice of university, preferred courses, and also helped us understand the trend over the years.
- Understand the impact of duration of course on choices.
- The trend of placements with respect to courses.
- The trend of companies recruiting for a particular course.





- The salary expectations from university, course and relation with scholarship.
- Effect of the type of visas on placement.
- Effect of scholarship on placements.
- Reason for migration.
- Language tests appeared.