

PROJECT: ANALYZING STUDENTS' MENTAL HEALTH



Does going to university in a different country affect your mental health? A Japanese international university surveyed its students in 2018 and published a study the following year that was approved by several ethical and regulatory boards.

The study found that international students have a higher risk of mental health difficulties than the general population, and that social connectedness (belonging to a social group) and acculturative stress (stress associated with joining a new culture) are predictive of depression.

Explore the `students` data using PostgreSQL to find out if you would come to a similar conclusion for international students and see if the length of stay is a contributing factor.

Here is a data description of the columns you may find helpful.

Field Name	Description
inter_dom	Types of students (international or domestic)
japanese_cate	Japanese language proficiency
english_cate	English language proficiency
academic	Current academic level (undergraduate or graduate)
age	Current age of student
stay	Current length of stay in years
todep	Total score of depression (PHQ-9 test)
tosc	Total score of social connectedness (SCS test)
toas	Total score of acculturative stress (ASISS test)

 Projects Data DataFrame as df

```
-- Run this code to view the data in students
-- Find the number of international students and their average scores by length of
stay, in descending order of length of stay
SELECT stay,
       COUNT(*) AS count_int,
       ROUND(AVG(todep), 2) AS average_phq,
       ROUND(AVG(tosc), 2) AS average_scs,
       ROUND(AVG(toas), 2) AS average_as
FROM students
WHERE inter_dom = 'Inter'
GROUP BY stay
ORDER BY stay DESC;
```

index	...	↑↓	stay	...	↑↓	count_int	...	↑↓	average_phq	...	↑↓	average_scs
		0			10			1			13	
		1			8			1			10	
		2			7			1			4	
		3			6			3			6	
		4			5			1			0	
		5			4			14			8.57	
		6			3			46			9.09	
		7			2			39			8.28	
		8			1			95			7.48	

Rows: 9

 Expand