



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

Projects Data DataFrame as students

-- Run this code to view the data in students  
SELECT \*  
FROM students;

	...	↑↓	i...	...	↑↓	...	↑↓	...	↑↓	...	↑↓	...	↑↓	s...	...	↑↓	...	↑↓	japane...	...	↑↓	...	↑↓	engli...	...
0	Inter		SEA		Male		Grad		24		4		5	Long		3		Average		5		High			
1	Inter		SEA		Male		Grad		28		5		1	Short		4		High		4		High			
2	Inter		SEA		Male		Grad		25		4		6	Long		4		High		4		High			
3	Inter		EA		Female		Grad		29		5		1	Short		2		Low		3		Average			
4	Inter		EA		Female		Grad		28		5		1	Short		1		Low		3		Average			
5	Inter		SEA		Male		Grad		24		4		6	Long		3		Average		4		High			
6	Inter		SA		Male		Grad		23		4		1	Short		3		Average		5		High			
7	Inter		SEA		Female		Grad		30		5		2	Medium		1		Low		1		Low			
8	Inter		SEA		Female		Grad		25		4		4	Long		4		High		4		High			
9	Inter		Others		Male		Grad		31		5		2	Medium		1		Low		4		High			
10	Inter		Others		Female		Grad		28		5		1	Short		1		Low		2		Low			
11	Inter		SEA		Female		Grad		31		5		1	Short		1		Low		4		High			
12	Inter		SA		Male		Grad		29		5		1	Short		1		Low		4		High			
13	Inter		EA		Male		Grad		23		4		1	Short		3		Average		4		High			
14	Inter		SEA		Female		Grad		31		5		1	Short		1		Low		3		Average			
15	Inter		Others		Female		Grad		30		5		1	Short		1		Low		5		High			

Rows: 286Expand Table

Projects Data DataFrame as df

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  
LIMIT 9;

index	...	↑↓	stay	...	↑↓	count_int	...	↑↓	average_phq	...	↑↓	average_scs	...	↑↓	average_a
0					10			1			13			32	
1					8			1			10			44	
2					7			1			4			48	
3					6			3			6			38	
4					5			1			0			34	
5					4			14			8.57			33.93	
6					3			46			9.09			37.13	
7					2			39			8.28			37.08	
8					1			95			7.48			38.11	

Rows: 9Expand Table