



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: 286 Expand

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;
```

index	...	↑↓	stay	...	↑↓	count_int	...	↑↓	average_phq	...	↑↓	average_scs	...	↑↓	av
		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: 9 Expand