



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	<div></div>
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

-- Start coding here...

```
SELECT s.stay,  
       COUNT(*) AS count_int,  
       ROUND(AVG(s.todep),2) AS average_phq,  
       ROUND(AVG(s.tosc),2) AS average_scs,  
       ROUND(AVG(s.toas),2) AS average_as  
FROM students s  
WHERE s.stay >= 1 AND s.inter_dom = 'Inter'  
GROUP BY s.stay  
ORDER BY s.stay DESC
```

i	...	Ξ↑	...	↑↓	c...	...	↑↓	averag...	...	↑↓	ave...	...	↑↓	aver...	...	↑↓
		0		10			1			13			32			50
		1		8			1			10			44			65
		2		7			1			4			48			45
		3		6			3			6			38			58.67
		4		5			1			0			34			91
		5		4			14			8.57			33.93			87.71
		6		3			46			9.09			37.13			78
		7		2			39			8.28			37.08			77.67
		8		1			95			7.48			38.11			72.8

Rows: 9

Expand