



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
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: 9

Expand