



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		Hig
1		Inter		SEA		Male		Grad		28		5		1		Short		4		High		4		Hig
2		Inter		SEA		Male		Grad		25		4		6		Long		4		High		4		Hig
3		Inter		EA		Female		Grad		29		5		1		Short		2		Low		3		Av
4		Inter		EA		Female		Grad		28		5		1		Short		1		Low		3		Av
5		Inter		SEA		Male		Grad		24		4		6		Long		3		Average		4		Hig
6		Inter		SA		Male		Grad		23		4		1		Short		3		Average		5		Hig
7		Inter		SEA		Female		Grad		30		5		2		Medium		1		Low		1		Lo
8		Inter		SEA		Female		Grad		25		4		4		Long		4		High		4		Hig
9		Inter		Others		Male		Grad		31		5		2		Medium		1		Low		4		Hig
10		Inter		Others		Female		Grad		28		5		1		Short		1		Low		2		Lo
11		Inter		SEA		Female		Grad		31		5		1		Short		1		Low		4		Hig
12		Inter		SA		Male		Grad		29		5		1		Short		1		Low		4		Hig
13		Inter		EA		Male		Grad		23		4		1		Short		3		Average		4		Hig
14		Inter		SEA		Female		Grad		31		5		1		Short		1		Low		3		Av
15		Inter		Others		Female		Grad		30		5		1		Short		1		Low		5		Hig

Rows: 286

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
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